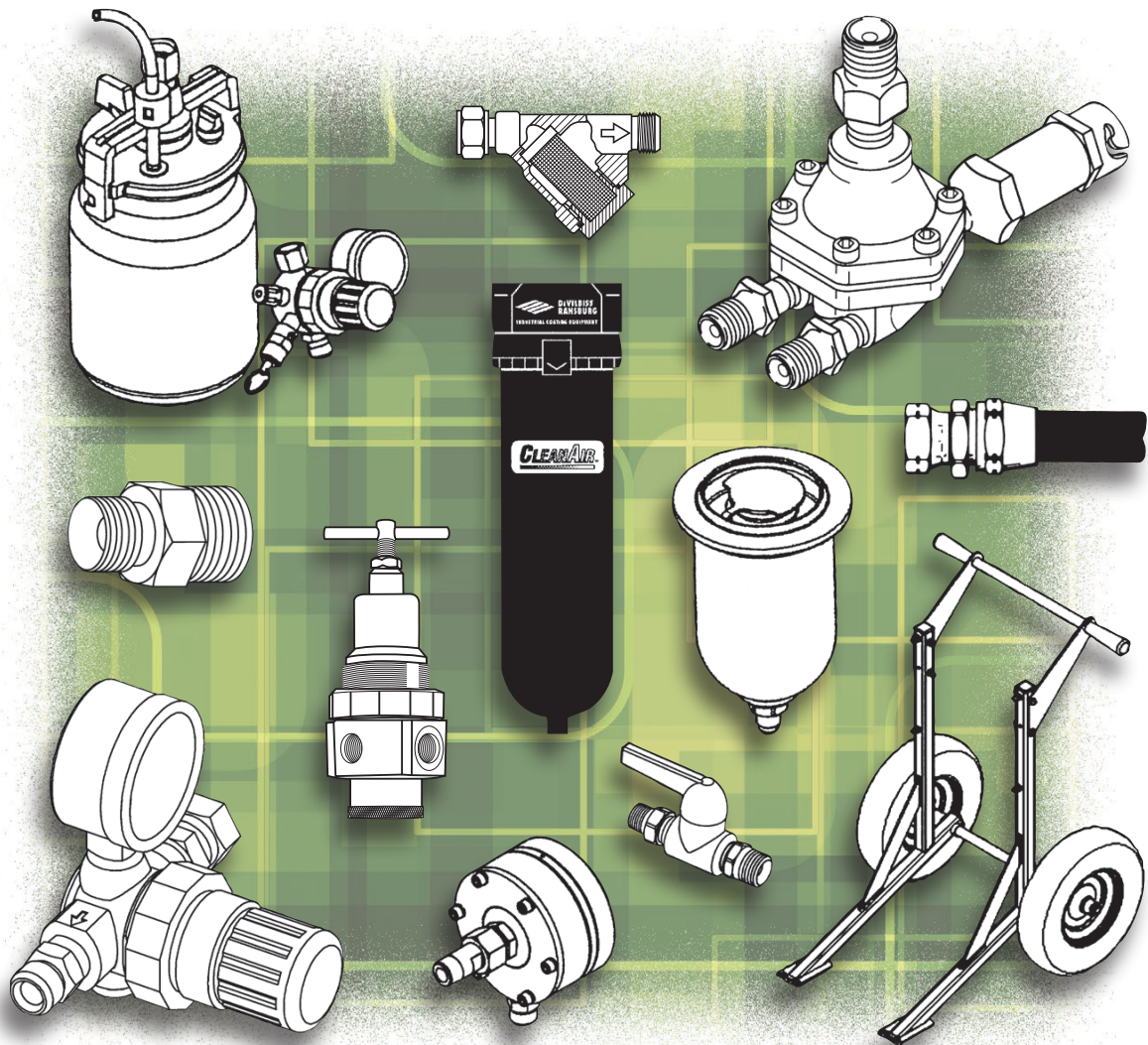


# Accessories Guide



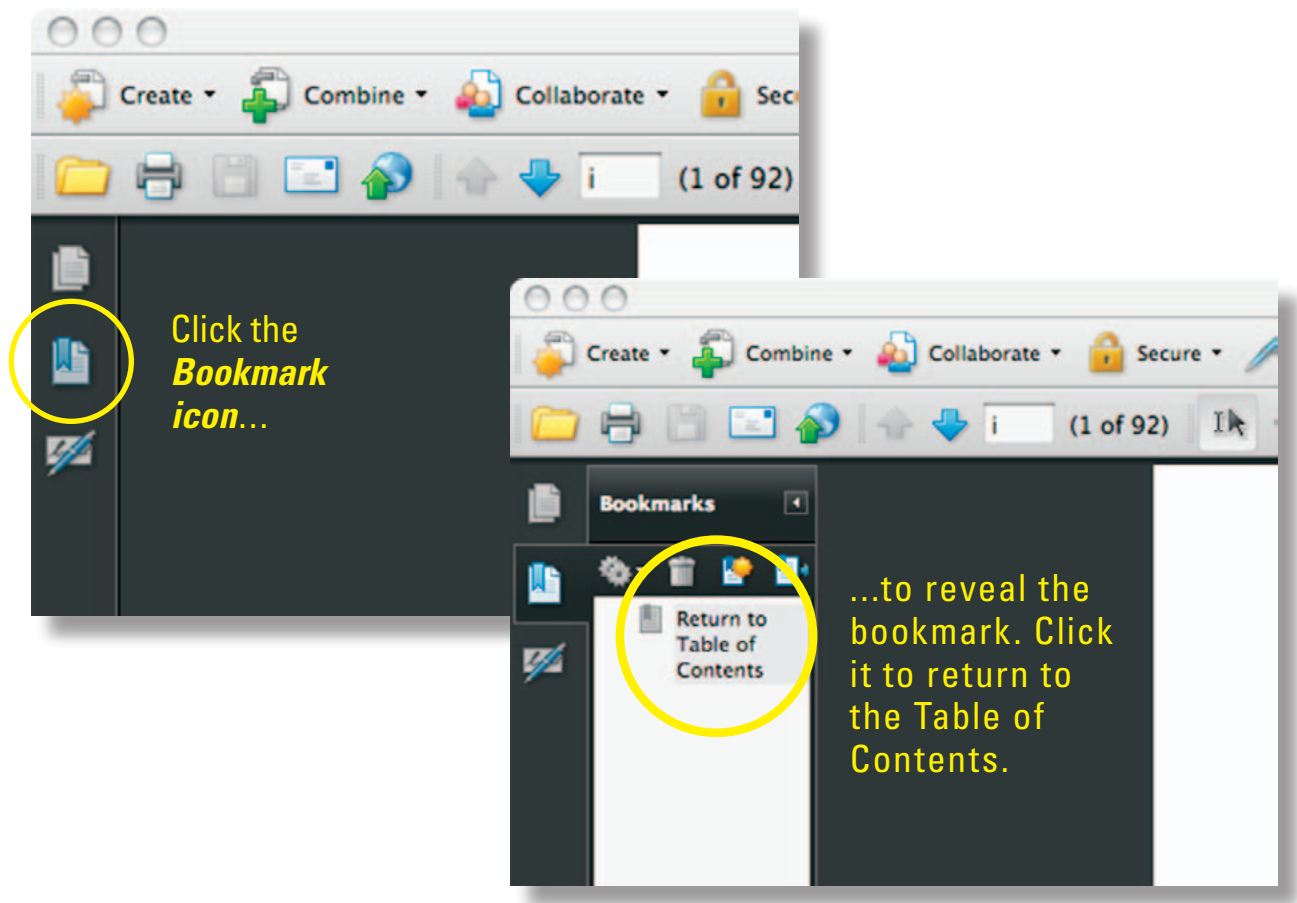
*Use genuine Binks and Devilbiss Accessories,  
Repair Kits and Replacement Parts to keep your equipment  
at peak performance*

# Navigating this PDF

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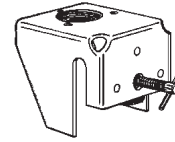
# Pump Mounting Hardware & Accessories

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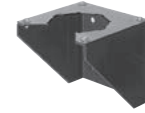
# Pump Mounting Hardware & Accessories

## Pump Wall Mounting Brackets

| Part Number | Pump Style                            | Materials of Construction        | Used with Air Motor                                   | Notes   |
|-------------|---------------------------------------|----------------------------------|---|---|
| 873184      | Infinity                              | Painted black carbon steel       | 2", N Series and 4-1/4"                               | 2" npt(f) threaded hole, open 55 gal. Rim mount                                 |
| 873115      | Infinity                              | Painted black carbon steel       | 4-1/4", 6" 2 and 4 ball and 1" Gemini Diaphragm Pumps | Full hole cut-out   |
| 873134      | Infinity                              | Painted black carbon steel       | 3:1 Gemini Diaphragm Pumps                            | 4 bolt, full hole cut-out   |
| 873237      | Infinity                              | Painted black carbon steel       | 8" Air Motors   | 4 bolt, full hole cut-out   |
| 873116      | Infinity & Gemini 1/2"                | Painted black carbon steel       | N Series and 1/2" Gemini Diaphragm pumps              | 4 bolt, full hole cut-out   |
| 873189      | Infinity                              | Painted black carbon steel       | 12" Air Motors  | 4 bolt, full hole cut-out   |
| 873461      | Infinity                              | Painted black carbon steel       | Raptor, Vector 8122XX and 8126XX series pumps         | 4 bolt, full hole cut-out, with air reg.mnt. holes                              |
| 41-10705    | Comet                                 | Painted blue carbon steel        | Comet 3 and 4" Air Motors                             | 3 bolt, v cut. Holes for air reg. kit and bpr. or fltr.                         |
| 207-12328   | Exel                                  | Unpainted zinc plated steel      | Exel  | 4 hole for air mtr, 2 hole for mounting (2 Req'd)                               |
| 0114-014806 | Comet 4/12                            | Painted black carbon steel       | Comet 4/12  | 4 bolt, full cut hole   |
| DVP-50      | DVP                                   | Painted black carbon steel       | Single DVP Diaphragm Pump                             |   |
| 41-28047    | BX                                    | Powder coated blue carbon steel  | B8 and B10 Air Motors                                 | Multiple mounting holes for air mtrs, regulators & heaters, etc                 |
| 41-28091    | BX                                    | Powder coated blue carbon steel  | B8 and B10 Air Motors                                 | Multiple mounting holes for air motors, regulators & heaters, etc., air control |
| 0115-010179 | MX                                    | Painted black carbon steel       | MX-4/12<br>MX-4/32                                    | Slotted bracket for wall or cart mount  |
| 41-718800   | 1/2" and 1" Gemini II Diaphragm Pumps | Powder coated black carbon steel | Gemini II   | Slotted bracket   |
| 104095      | MX - H.D.                             | Powder coated black carbon steel | MX3560, MX3070, MX35AA                                | Full cut hole   |



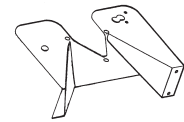
873184



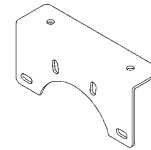
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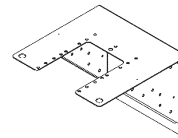
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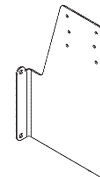
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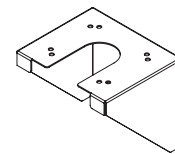
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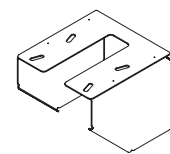
41-28047



41-28091



0115-010179



41-71880

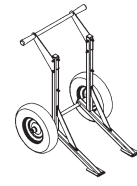
# Pump Mounting Hardware & Accessories

## Pump Carts & Stands

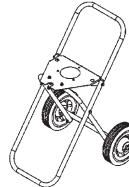
| Part Number | Pump Style          | Materials of Construction   | Used with Air Motor                 | Notes                   | Service Form       |
|-------------|---------------------|---|-------------------------------------|-------------------------|--------------------|
| 873186      | Infinity            | Black painted carbon steel  | 4-1/4" and 6" 2 ball Infinity pumps | Large pneumatic tires   | 81224x and others  |
| 41-28050    | BX                  | Blue painted carbon steel   | BX-36 and BX-57 pumps               | Large pneumatic tires   | 77-2902<br>77-2904 |
| 41-2208     | Comet               | Blue painted steel bracket with chrome plated, tubular steel cart | Comet 3" and 4" 18:1 and 30:1 pumps | Semi-pneumatic tires    | 77-2281            |
| 0110-011802 | Comet 4/12          | Aluminum  | Comet 4/12 pumps                    | Tripod stand with plate | 77-5463            |
| 0115-010100 | MX 4/12 and MX 4/32 | Aluminum  | Binks MX 4/12 and MX 4/32           | Tripod stand with plate | 77-2912<br>77-2913 |
| 0115-010400 | MX 4/12 and MX 4/32 | Black painted carbon steel  | Binks MX 4/12 and MX 4/32           | Semi-pneumatic tires    | 77-2913            |
| 41-28280    | MX Large Cart       | Powder coated black carbon steel                                  | MX3560, MX3070, MX35AA              | Solid tires             |                    |



873186



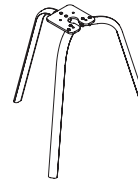
41-28050



41-2208



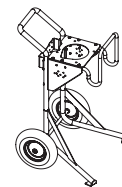
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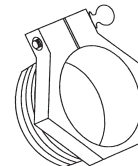
0115-010100



0115-010400



41-28280



873227

## Threaded Bung Adapter

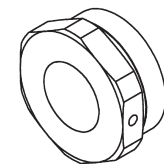
| Part Number | Materials of Construction | Notes   |
|-------------|---------------------------|---|
| 873227      | Cast aluminum and steel   | Threaded for 2" bung drum thread and used on Pogo series pumps. Includes thumb screw. |

## Bunghole Adapter Kits

| Part Number | Materials of Construction | Notes   |
|-------------|---------------------------|---|
| 41-15899*   | Stainless steel           | With lockwasher, set screw and locknut. For 1/2" siphon tubes (7/8" o.d.).              |
| 41-15898*   | Stainless steel           | With lockwasher, set screw and locknut. For 3/4" siphon tubes (1-1/8" o.d.).            |
| 41-15895*   | Stainless Steel           | With lockwasher, set screw and locknut. For 1" siphon tubes (1-11/32" o.d.).            |
| 207-11692-1 | Aluminum                  | 1" siphon tube bung adapter. Requires 237-621 thumbscrew. (not shown; order separately) |



41-15895, 41-15898, 41-15899

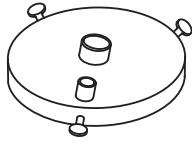


207-11692-1

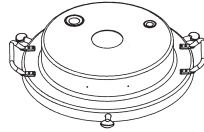
\*41-755 spacer and 20-2454 nut are included



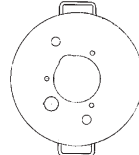
# Pump Mounting Hardware & Accessories



874502



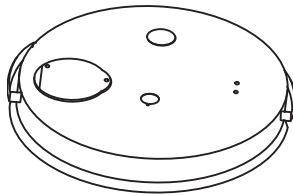
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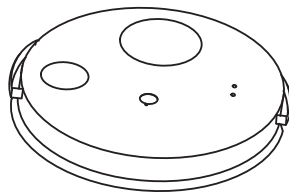
41-2455

## 5 Gallon Pail Covers

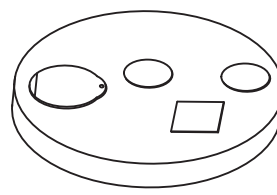
| Part Number | Pump Style               | Materials of Construction  | Used with                        | Notes  | Service Form |
|-------------|--------------------------|----------------------------|----------------------------------|--|--------------|
| 874502      | Infinity                 | Stainless steel            | 843000 Agitator                  | 1/2" siphon tube.<br>Siphon tube hole: .859"<br>Agitator hole size: 1.745" | n/a          |
| 874503      | Infinity,<br>Gemini 1/2" | Stainless steel            | 1/2" Diaphragm pumps             | Agitator hole in cover.  | n/a          |
| 41-3205     | Binks, Comet             | Zinc chromate plated steel | Agitators / Pogo pumps           | Agitator holes/knockouts,<br>pump and siphon                               | 77-1470      |
| 41-2455     | Binks, Comet             | Zinc chromate plated steel | Comet 18:1 and 30:1 pump outfits | Agitator hole and 2, 7/8" holes for regs<br>or return                      | n/a          |
| 41-3230     | Gemini DVP               | Zinc chromate plated steel | Gemini DVP                       | Agitator hole  | n/a          |



31-124



41-2414



874506

## 55 Gallon Drum Covers

| Part Number | Pump Style               | Materials of Construction  | Used with   | Notes  | Service Form |
|-------------|--------------------------|----------------------------|---|--|--------------|
| 874506      | Infinity,<br>Gemini 1/2" | Stainless steel            | 1/2" Diaphragm pumps and<br>bung mntd. piston pumps such<br>as 812490, pogo pumps | With insp.port, agitator hole and hole for pump or<br>bung mount (55 Gal.)<br>Hole sizes: 2.406" (medium hole), 1.75" (small hole),<br>4" (diameter), 4.875" x 6.125" (square hole),<br>.875" (hole for pick-up tube). | n/a          |
| 31-124      | Binks,<br>Comet          | Zinc chromate plated steel | 55 Gal direct drive agitator  | With insp.port,agitator hole and siphon tube hole  | 77-1481      |
| 41-2414     | Binks,<br>Comet          | Zinc chromate plated steel | Comet 2.5:1 High-Vol  | With agitator & inspection ports (55 Gal.)   | n/a          |



# Pump Mounting Hardware & Accessories

## Drum Elevator

| Part Number | Lift Capacity                         | Notes   | Shipping Weight | Service Form |
|-------------|---------------------------------------|---|-----------------|--------------|
| 41-9000     | 235 lbs @ 60 psi<br>395 lbs @ 100 psi | Comes with air control valve, 10 ft. of air tubing, mounting brackets and hardware. Floor mounting anchors and drum cover are not included. Use with 31-129 and 31-397 agitator assemblies. 35-1/8" lift height. 56-1/8" high with lid lowered. 91" high with lid raised. | 68 lbs          | 77-1392      |



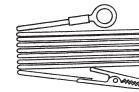
41-9000

## Ground Wire Kits

| Part Number | Description       | Notes   |
|-------------|-------------------|---|
| 873067      | Ground wire assy. | 25 ft heavy duty sheathed wire with screw type clamp on one end and large ring terminal on the other. |
| 41-13021    | Ground wire assy. | 8 ft long 18 gauge with small alligator clamp on one end and large ring terminal on the other.        |
| 0114-016243 | Ground wire assy. | For use with Comet 4/12 pumps.  |



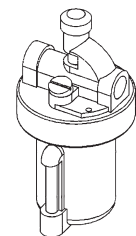
873067



41-13021

## Air Line Lubricators

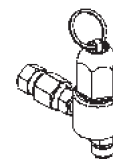
| Part Number | Used on | Port Sizes  | cfm Rating | Oil Capacity | Notes  | Service Form |
|-------------|---------|-------------|------------|--------------|--|--------------|
| 237-578     | Binks   | 1/2" npt(f) | 110 scfm   | 8oz/237ml    | Zinc bowl Inc. sight glass. / 150 Deg. F / 250 psi | n/a          |



237-578

## Pump Protectors / Air Runaway Valves

| Part Number | Pumps used on             | cfm Range  | Pressure Range | Service Form |
|-------------|---------------------------|------------|----------------|--------------|
| 41-11150    | Binks B series / Infinity | 10-150 cfm | 20-125 psi     | 77-2257      |



41-11260

# Pump Mounting Hardware & Accessories

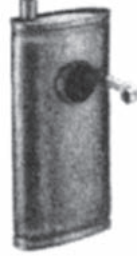
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873190



873364



873275, 873281



237-536

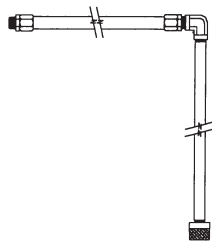


83-1527, 350-401

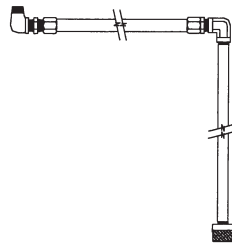
## Air Motor Mufflers

| Part Number | Pump Style                        | Air Inlet Size   | Dimensions                | Notes                                   |
|-------------|-----------------------------------|------------------|---------------------------|---|
| 873158      | Infinity 4-1/4" and 6" air motors | 1-1/4" male, npt | 3-1/2" x 11-3/16"         | Used with 4-1/4" and 6" air motor pumps |
| 873190      | Infinity 8" air motors            | 1-1/4" male, npt | 5-5/8" x 15-3/8"          | Used with 8" air motor pumps            |
| 873364      | Infinity 12" air motor            | Bolted On        | 9" x 20"                  | Used with Infinity 12" air motors       |
| 873275      | Gemini                            | 3/8" male, npt   | 2-15/16" long x 1" o.d.   | Metal, 1/2" thread depth                |
| 873281      | Gemini                            | 3/4" male, npt   | 4-1/2" long x 2-3/4" o.d. | Black plastic, 7/8" thread depth        |
| 237-536     | Exel / Unison Pumps               | 1/2" male, npt   | 3-1/8" x 1-1/4"           | Aluminum, 50M stn stl screen            |
| 83-1527     | Air Motor Agitators               | 1/4" male, npt   | 1-5/8" x 1-3/4"           | Steel body, felt muffler                |
| 350-401     | Air Motor Agitators               | 1/4" male, npt   | 1-5/8" x 1-3/4"           | Steel body, felt muffler                |
| 192509      | MX Heavy Duty Pump                | 1-1/2" BSPT(m)   | 13-1/2" x 5-1/4"          | Used on MX35AA, MX3560 and MX3070       |

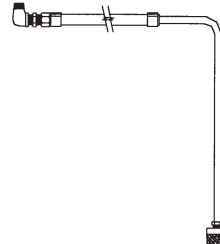
# Pump Mounting Hardware & Accessories



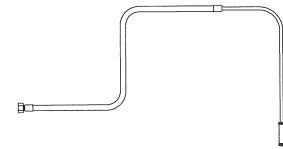
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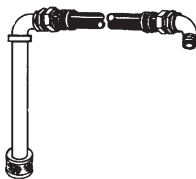
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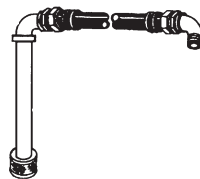
874509



41-17237, 41-17238



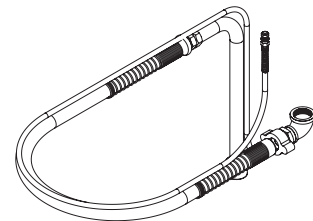
103-1093



44-350



41-2294, 41-2296



41-28270-5

## Siphon Hoses / Sets (5 & 10 Gallon)

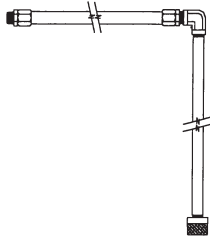
| Part Number | Pumps Used with         | Hose Size i.d. | Tube Size                | Fitting Size     | Siphon Hose Length | Included Screen (Mesh) | Container Size | Wetted Parts    | Service Form                    |
|-------------|-------------------------|----------------|--------------------------|------------------|--------------------|------------------------|----------------|-----------------|---------------------------------|
| 874500      | Infinity                | 1"             | 3/4" x 16"               | 3/4" male, npt   | 5'                 | 30                     | 5 Gallon       | Stainless steel | n/a                             |
| 874504      | Infinity                | 1/2"           | 1/2" x 16"               | 1/2" male, npt   | 5'                 | 30                     | 5 Gallon       | Stainless steel | n/a                             |
| 874509      | Infinity / Raptor       | 1/2"           | 1/4" x 19"               | 1/2" male, npt   | 5'                 | 30                     | 5 Gallon       | Stainless steel | n/a                             |
| 41-17237    | Comet 4/12              | 3/8"           | 3/8" x 13-5/8"           | m25 x 1" (m)     | 3'                 | 50                     | 5 Gallon       | Stainless steel | 77-5461,<br>77-5462,<br>77-5463 |
| 41-17238*   | Binks MX-4/12 & MX-4/32 | 3/8"           | 3/8" x 13-5/8"           | 1/2" female, nps | 3'                 | 50                     | 5 Gallon       | Stainless steel | 77-2912,<br>77-2913             |
| 41-17260    | MX4-12                  | 3/8" i.d.      | 3/8" x 13-5/8"           | 3/4" nps(f)      | 3'                 | 50                     | 5 Gallon       | Stainless steel |                                 |
| 41-17262    | Binks                   | 3/4"           | 17 mm i.d. x 640 mm long |                  | 5'                 | 30                     | 5 Gallon       | Stainless steel |                                 |
| 0115-010236 | MX1212, MX1231          |                |                          |                  |                    |                        | 5 Gallon       |                 |                                 |
| 103-1093    | Binks / Comet           | 1"             | 1" x 16"                 | 1" male, npt     | 5'                 | 8/16                   | 5 Gallon       | Aluminum, steel | 77-2126                         |
| 44-350      | Binks / Comet           | 3/4"           | 3/4" x 17"               | 3/4" male, npt   | 5'                 | 8                      | 5 Gallon       | Stainless steel | 77-2098                         |
| 41-2294     | Binks / Comet           | 3/4"           | 3/4" x 16"               | 3/4" male, npt   | 5'                 | 30                     | 5 & 10 Gallon  | Aluminum, steel | 77-2098                         |
| 41-2296     | Binks / Comet           | 1"             | 1" x 16"                 | 1" male, npt     | 5'                 | 30                     | 5 & 10 Gallon  | Aluminum, steel | 77-2098                         |
| 41-28270-5  | MX35AA, MX3070, MX3560  | 1"             | 1" bent tube             | 1-1/2" npt(f)    | 5'                 | 8/16                   | 5 Gallon       | Aluminum        |                                 |

\*Requires adapter 0115-010235 for MX-4/12 and MX-4/32.

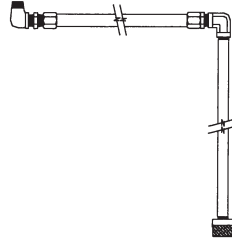
**SEE PAGE 2-4 FOR REPLACEMENT INLET SCREENS**

# Pump Mounting Hardware & Accessories

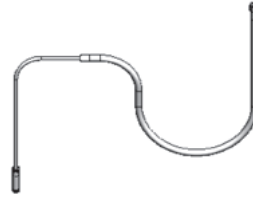
1



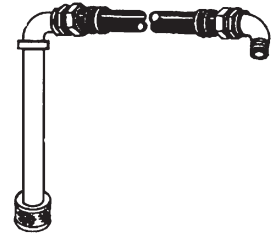
874501



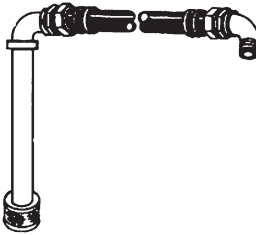
874580



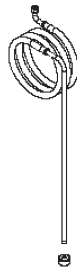
41-17233



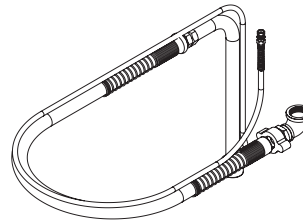
41-2616, 41-10467



44-155, 44-355



0115-010381



41-28270-55

## Siphon Hoses / Sets (55 Gallon)

| Part Number | Pumps Used with                      | Hose Size i.d. | Tube Size         | Fitting Size     | Siphon Hose Length | Included Screen (Mesh) | Container Size | Wetted Parts     | Service Form     |
|-------------|--------------------------------------|----------------|-------------------|------------------|--------------------|------------------------|----------------|------------------|------------------|
| 874501      | Infinity                             | 1"             | 3/4" i.d. x 36"   | 3/4" male, npt   | 5 ft.              | 30                     | 55 Gallon      | Stainless steel  | n/a              |
| 874580      | Infinity / Raptor                    | 1/2"           | 1/2" i.d. x 35.5" | 1/2" male, npt   | 5 ft.              | 30                     | 55 Gallon      | Stainless steel  | 77-5322          |
| 41-17233*   | Comet 4/12 / Binks MX-4/12 & MX-4/32 | 3/4"           | 3/4" i.d. x 36"   | 3/4" female, nps | 8 ft.              | 50                     | 55 Gallon      | Stainless steel  | 77-5461, 77-2912 |
| 44-355      | Binks / Comet                        | 1"             | 3/4" i.d. x 35"   | 1" male, npt     | 8 ft.              |                        | 55 Gallon      | Stainless steel  | 77-2098          |
| 41-2616     | Binks / Comet                        | 3/4"           | 3/4" i.d. x 33"   | 3/4" male, npt   | 8 ft.              | 16                     | 55 Gallon      | Aluminum, steel  | 77-2098          |
| 41-10467    | Binks / Comet                        | 1"             | 1" i.d. x 35"     | 1" male, npt     | 8 ft.              | 30                     | 55 Gallon      | Galvanized steel | 77-2098          |
| 0115-010381 | Binks MX-12/12                       | 3/4"           | 21/32" i.d. x 36" | 3/4" female, nps | 10 ft.             |                        | 55 Gallon      | Stainless steel  | 77-2917          |
| 41-28270-55 | MX35AA, MX3070, MX3560               | 1"             | 1" bent tube      | 1" npt(m)        | 8'                 | 8/16                   | 55 Gallon      | Aluminum         |                  |

\*Requires adapter 0114-013801 for Comet 4/12.

\*Requires adapter 0115-010235 for MX-4/12 and MX-4/32.

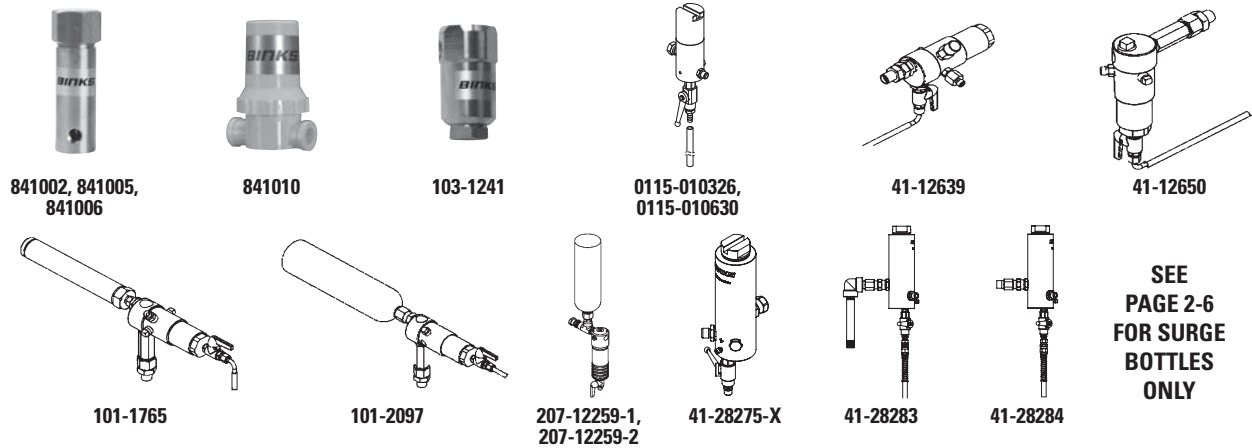
**SEE PAGE 2-4 FOR REPLACEMENT INLET SCREENS**

# Fluid Filters, Screens/Strainers, Filter Elements & Filter/Surge Chambers

|  |            |
|--|------------|
| <b>MATERIAL FILTERS, STRAINERS, SCREENS</b>  | <b>2-2</b> |
| <b>HIGH PRESSURE IN LINE FILTERS</b>         | <b>2-3</b> |
| <b>LOW PRESSURE IN LINE FILTERS</b>          | <b>2-3</b> |
| <b>LOW PRESSURE IN LINE Y STRAINERS</b>      | <b>2-4</b> |
| <b>INLET SCREENS (ROCK CATCHERS)</b>         | <b>2-4</b> |
| <b>GUN MOUNTED MINI STRAINER</b>             | <b>2-4</b> |
| <b>HIGH PRESSURE PUMP FILTER ELEMENTS</b>    | <b>2-5</b> |
| <b>HIGH PRESSURE IN LINE FILTER ELEMENTS</b> | <b>2-5</b> |
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| <b>SURGE CHAMBERS / PULSATION DAMPENERS</b>  | <b>2-6</b> |

# Fluid Filters, Screens/Strainers, Filter Elements & Filter/Surge Chambers

2



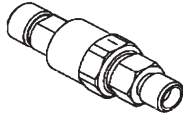
## Material Filters, Strainers, Screens

| Part Number  | Description                           | Inlet Port      | Used with                            | Outlet Port     | Mesh | Micron | Materials of Construction | Maximum Working Pressure | Service Form |
|--------------|---------------------------------------|-----------------|--------------------------------------|-----------------|------|--------|---------------------------|--------------------------|--------------|
| 841002       | Material Filter                       | (2) 1/2" npt(f) | Infinity                             | (2) 1/2" npt(f) | 100  | 149    | Carbon steel              | 6000 psi                 | 84100X       |
| 841005       | Material Filter                       | (2) 1/2" npt(f) | Infinity                             | (2) 1/2" npt(f) | 70   | 210    | Stainless steel           | 6000 psi                 | 84100X       |
| 841006       | Material Filter                       | (2) 1/2" npt(f) | Infinity                             | (2) 1/2" npt(f) | 100  | 149    | Stainless steel           | 6000 psi                 | 84100X       |
| 873188       | Outlet adapter to mount 841006 filter | 1" npt(m)       | Infinity                             | 1/2" npt(m)     |      |        | Stainless steel           | 6000 psi                 |              |
| 841010       | Material Filter                       | 3/8" npt(f)     | Infinity Diaph                       | 3/8" npt(f)     | 40   | 420    | Nylon, stn stl            | 150 psi                  | 84101X       |
| 103-1241*    | Material Filter                       | 3/8" nps(f)     | Binks / Comet                        | 1/4" npt(f)     | 100  | 149    | Stainless steel           | 4000 psi                 | 77-2015      |
| 0115-010326  | Material Filter                       | 3/8" bspp(f)    | Binks MX-4/12 & MX-4/32 / Comet 4/12 | 1/4" nps(m)     | 100  | 149    | Stainless steel           | 7200 psi                 | 77-2912      |
| 0115-010630  | Material Filter                       | 3/8" bspp(f)    | Binks MX-4/12 & MX-4/32 / Comet 4/12 | 1/4" nps(m)     | 200  | 149    | Stainless steel           | 7200 psi                 | 77-2913      |
| 41-12639     | Material Filter                       | 1/2" npt(m)     | Binks / Comet                        | 1/4" nps(m)     | 50   | 297    | Carbon steel              | 6000 psi                 | 77-2164      |
| 41-12650     | Material Filter                       | 1/2" npt(m)     | Binks / Comet                        | 1/4" nps(m)     | 50   | 297    | Carbon steel              | 6000 psi                 | 77-2164      |
| 101-1765     | Material Filter/ Pulsation Chamber    | 1/2" npt(m)     | Binks / Comet                        | 1/4" nps(m)     | 50   | 297    | Carbon steel              | 6000 psi                 | 77-2469      |
| 101-2097     | Material Filter/ Pulsation Chamber    | 1/2" npt(m)     | Binks / Comet                        | 1/4" nps(m)     | 50   | 297    | Carbon steel              | 6000 psi                 | 77-2469      |
| 207-12259-1  | Material Filter/ Pulsation Chamber    | 1/2" npt(f)     | Binks / Comet                        | 1/2" npt(f)     | 60   | 250    | Carbon steel/ aluminum    | 1800 psi                 | 77-2807      |
| 207-12259-2  | Material Filter/ Pulsation Chamber    | 1/2" npt(f)     | Binks / Comet                        | 1/2" npt(f)     | 100  | 149    | Carbon steel/ aluminum    | 1800 psi                 | 77-2807      |
| 41-28275-30  | Material Filter                       | 3/8" nps(m)     | MX3560                               | 1/4" nps(m)     | 30   | 575    | 303 s.s.                  | 7250 psi                 |              |
| 41-28275-50  | Material Filter                       | 3/8" nps(m)     | MX3560                               | 1/4" nps(m)     | 50   | 297    | 303 s.s.                  | 7250 psi                 |              |
| 41-28275-70  | Material Filter                       | 3/8" nps(m)     | MX3560                               | 1/4" nps(m)     | 70   | 210    | 303 s.s.                  | 7250 psi                 |              |
| 41-28275-100 | Material Filter                       | 3/8" nps(m)     | MX3560                               | 1/4" nps(m)     | 100  | 149    | 303 s.s.                  | 7250 psi                 |              |
| 193330       | Material Filter                       | M22-1.5 mm      | MX3560                               | Hose barb       | 100  | 149    | Stainless steel           | 7250 psi                 |              |
| 41-28283-30  | Material filter top mount             | 1/2" npt(m)     | Maple 7/15, 8/25                     | 1/4" nps(m)     | 30   | 575    | 303 s.s.                  | 7250 psi                 |              |
| 41-28283-50  | Material filter top mount             | 1/2" npt(m)     | Maple 7/15, 8/25                     | 1/4" nps(m)     | 50   | 297    | 303 s.s.                  | 7250 psi                 |              |
| 41-28283-70  | Material filter top mount             | 1/2" npt(m)     | Maple 7/15, 8/25                     | 1/4" nps(m)     | 70   | 210    | 303 s.s.                  | 7250 psi                 |              |
| 41-28283-100 | Material filter top mount             | 1/2" npt(m)     | Maple 7/15, 8/25                     | 1/4" nps(m)     | 100  | 149    | 303 s.s.                  | 7250 psi                 |              |
| 41-28284-30  | Material filter top mount             | 1/2" npt(m)     | Maple 7/15, 8/25                     | 1/4" nps(m)     | 30   | 575    | 303 s.s.                  | 7250 psi                 |              |
| 41-28284-50  | Material filter top mount             | 1/2" npt(m)     | Maple 7/15, 8/25                     | 1/4" nps(m)     | 50   | 297    | 303 s.s.                  | 7250 psi                 |              |
| 41-28284-70  | Material filter top mount             | 1/2" npt(m)     | Maple 7/15, 8/25                     | 1/4" nps(m)     | 70   | 210    | 303 s.s.                  | 7250 psi                 |              |
| 41-28284-100 | Material filter top mount             | 1/2" npt(m)     | Maple 7/15, 8/25                     | 1/4" nps(m)     | 100  | 149    | 303 s.s.                  | 7250 psi                 |              |

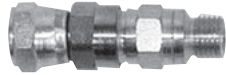
\*Includes 1 ea, 101-9120 1/4" npt(m) x 1/4" npt(m) swivel adapter.

**SEE PAGE 2-5 FOR REPLACEMENT SCREENS**

# Fluid Filters, Screens/Strainers, Filter Elements & Filter/Surge Chambers



54-4725



54-3655

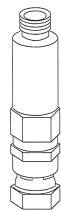
## High Pressure In Line Filters

| Part Number | Description              | Inlet Port  | Used with | Outlet Port           | Mesh | Micron | Materials of Construction | Maximum Working Pressure | Service Form |
|-------------|--------------------------|-------------|-----------|-----------------------|------|--------|---------------------------|--------------------------|--------------|
| 54-4725     | In-Line Edge Filter Assy | 1/4" nps(m) | Binks     | 7/16-20 unf 2a thread | 100  | 149    | Stainless steel           | 4000 psi                 | 77-2838      |
| 54-3655     | In-Line Edge Filter Assy | 1/4" nps(m) | Binks     | 1/4" nps(f)           | 100  | 149    | Stainless steel           | 5800 psi                 | n/a          |
| 72-2341     | In-Line Edge Filter Assy | 1/4" nps(m) | Binks     | 1/4" nps(f)           | 100  | 149    | Stainless steel           | 7500 psi                 | n/a          |
| 72-2340     | In-Line Edge Filter Assy | 1/4" nps(m) | Binks     | 1/4" nps(f)           | 60   | 250    | Stainless steel           | 7500 psi                 | n/a          |

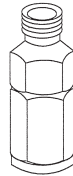
SEE PAGE 2-5 FOR REPLACEMENT ELEMENTS



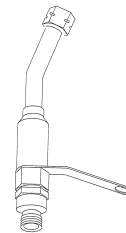
54-990, 54-981



VS-534



VS-531



VS-532

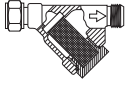
## Low Pressure In Line Filters

| Part Number | Description              | Inlet Port  | Used with           | Outlet Port | Mesh | Micron | Materials of Construction | Maximum Working Pressure | Service Form |
|-------------|--------------------------|-------------|---------------------|-------------|------|--------|---------------------------|--------------------------|--------------|
| 54-990      | In line Cartridge Filter | 3/8" nps(m) | Binks               | 3/8" nps(f) | 100  | 149    | Plated brass              | 150 psi                  | n/a          |
| 54-981      | In line Cartridge Filter | 3/8" nps(m) | Binks               | 3/8" nps(f) | 150  | 100    | Plated brass              | 150 psi                  | n/a          |
| VS-534      | In line Cartridge Filter | 3/8" nps(m) | Devilbiss           | 3/8" nps(f) | 100  | 149    | Stainless steel           | 300 psi                  | SB-7-072     |
| VS-531      | In line Cartridge Filter | 3/8" nps(m) | Devilbiss           | 3/8" nps(f) | 100  | 149    | Carbon steel              | 300 psi                  | SB-7-072     |
| VS-532      | In line Cartridge Filter | 3/8" nps(m) | Devilbiss and Binks | 3/8" nps(f) | 100  | 149    | Plated brass              | 300 psi                  | SB-7-072     |

SEE PAGE 2-5 FOR REPLACEMENT ELEMENTS



# Fluid Filters, Screens/Strainers, Filter Elements & Filter/Surge Chambers



## Low Pressure In Line Y-Strainers

| Part Number | Description    | Inlet Port  | Used with | Outlet Port | Mesh | Micron | Materials of Construction      | Maximum Working Pressure | Service Form |
|-------------|----------------|-------------|-----------|-------------|------|--------|--------------------------------|--------------------------|--------------|
| 83-2922     | In Line Filter | 3/8" nps(f) | Binks     | 3/8" nps(m) | 50   | 297    | Plated brass / Stainless steel | 200 psi                  | 77-2394      |
| 83-2923     | In Line Filter | 3/8" nps(f) | Binks     | 3/8" nps(m) | 80   | 177    | Plated brass / Stainless steel | 200 psi                  | 77-2394      |
| 83-2924     | In Line Filter | 3/8" nps(f) | Binks     | 3/8" nps(m) | 100  | 149    | Plated brass / Stainless steel | 200 psi                  | 77-2394      |
| 83-2925     | In Line Filter | 3/8" nps(f) | Binks     | 3/8" nps(m) | 150  | 96     | Plated brass / Stainless steel | 200 psi                  | 77-2394      |
| 83-2926     | In Line Filter | 3/8" nps(f) | Binks     | 3/8" nps(m) | 200  | 74     | Plated brass / Stainless steel | 200 psi                  | 77-2394      |

SEE PAGE 2-5 FOR REPLACEMENT ELEMENTS



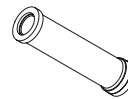
101-142, 41-10094,  
41-2661, 41-2662, 41-2663



41-17234-K10



41-2288



41-17241

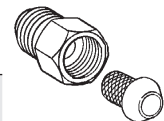
## Inlet Screens (Rock Catchers)

| Part Number  | Thread Size                  | Materials of Construction           | Mesh Size    | Pumps used with                              |
|--------------|------------------------------|-------------------------------------|--------------|--|
| 101-142      | 1" npt(f)                    | Stainless steel                     | 8/16         | Comets B,C,D                                 |
| 41-10094     | 3/4" npt(f)                  | Stainless steel                     | 16           | Comets B,C,D                                 |
| 41-2661      | 1/2" npt(f)                  | Stainless steel                     | 30           | Comets B,C,D / Raptor / MX-12/12 / Gemini II |
| 41-2662      | 3/4" npt(f)                  | Stainless steel                     | 30           | Comets B,C,D                                 |
| 41-2663      | 1" npt(f)                    | Stainless steel                     | 30           | Comets B,C,D                                 |
| 41-2288      | 1- 5/8" -12 npt(f)           | Stainless steel                     | 50 (4" dia.) | Comets 3B and 4B Foot Valve                  |
| 41-17234-K10 | Ribbed hole 3/8" o.d. tubing | Rubber / stainless steel            | 50           | Comet 4/12                                   |
| 41-17241-K2  | m12 x 1.25-6H screen         | Stainless steel / Glass filled PTFE | 50           | Binks MX-4/12 and MX-4/32                    |
| 237-755      | 3/16" or 1/4" i.d. tubing    | Polypropylene                       | 75 micron    | Unison Catalyst Supply Bottle                |

SEE PAGES 1-7 AND 1-8 FOR SIPHON SUPPLY SETS

## Gun Mounted Mini Strainer

| Part Number  | Description | Inlet Port  | Used with         | Outlet Port | Mesh | Micron | Materials of Construction | Maximum Working Pressure |
|--------------|-------------|-------------|-------------------|-------------|------|--------|---------------------------|--------------------------|
| PLH-MF-6-100 | Gun Mounted | 3/8" nps(m) | Devilbiss / Binks | 3/8" nps(f) | 100  | 149    | Stainless steel           | 250 psi                  |



SEE PAGE 2-5 FOR REPLACEMENT ELEMENTS

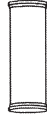
# Fluid Filters, Screens/Strainers, Filter Elements & Filter/Surge Chambers



873146, 873147



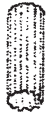
83-1256, 83-2089



0110-009132



54-1835, 54-1836



41-2627, 41-2628, 41-2629,  
41-2630, 107-1527



207-11693, 207-11694

## High Pressure In Line Filter Elements

| Filter Assembly | Filter Element Standard | Mesh | Filter Element Optional | Mesh |
|-----------------|-------------------------|------|-------------------------|------|
| 54-4725         | 54-1835                 | 100  | 54-1836                 | 60   |
| 54-3655         | 54-1835                 | 100  | 54-1836                 | 60   |
| 72-2341         | 54-1835                 | 100  |                         |      |
| 72-2340         | 54-1836                 | 60   |                         |      |

**FOR USE WITH FILTERS ON PAGE 2-3**

## High Pressure Pump Filter Elements

| Filter Assembly     | Filter Element Standard | Mesh | Filter Element Optional                   | Mesh              |
|---------------------|-------------------------|------|---|-------------------|
| 841001 (OBS)        | 873146                  | 70   | 873147                                    | 100               |
| 841002              | 873147                  | 100  | 873146                                    | 70                |
| 841005              | 873146                  | 70   | 873147                                    | 100               |
| 841006              | 873147                  | 100  | 873146                                    | 70                |
| 103-1241            | 83-1256                 | 100  | 83-2089                                   | 50                |
| 0110-009130 (OBS)   | 0110-009132             | 100  | 0110-009131<br>0110-009133<br>0110-009060 | 50<br>150<br>200  |
| 0115-010326         | 0110-009132             | 100  | 0110-009131<br>0110-009133<br>0110-009134 | 50<br>150<br>200  |
| 0115-010630         |                         |      | 0110-009134<br>0110-009132<br>0110-009133 | 200<br>100<br>150 |
| 41-12650 & 41-12639 | 41-2629                 | 50   | 41-2627<br>107-1527                       | 100<br>20         |
| 207-12259-1         | 207-11693               | 60   | 207-11694                                 | 100               |
| 207-12259-2         | 207-11694               | 100  | 207-11693                                 | 60                |
| 101-1765 & 101-2097 | 41-2629                 | 50   | 41-2627<br>107-1527                       | 100<br>20         |
| 193330              | 0114-014883             | 100  | 0114-014884                               | 70                |
| 41-28275            | 0114-014883             | 100  | 0114-014884                               | 70                |

**FOR USE WITH FILTER ASSEMBLIES ON PAGE 2-2**



54-5788-K5, 54-5789-K5

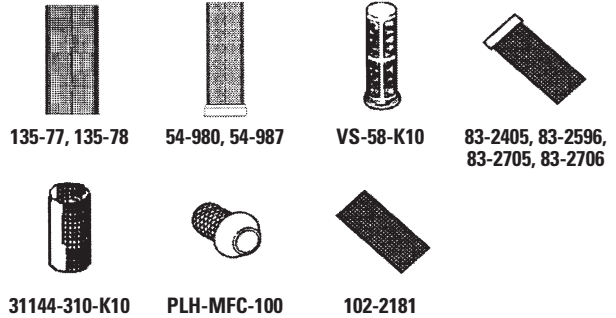
## High Pressure In Line Filter Elements

| Filter     | Size (Mesh) | Where Used         |
|------------|-------------|--------------------|
| 54-5788-K5 | 60          | AA-1600M, AA-4400M |
| 54-5789-K5 | 100         | AA-1600M, AA-4400M |

# Fluid Filters, Screens/Strainers, Filter Elements & Filter/Surge Chambers

## Low Pressure In Line Filter Elements

| Filter Assembly | Filter Element Standard | Mesh    | Filter Element Optional | Mesh    |
|-----------------|-------------------------|---------|-------------------------|---------|
| 841010          | 135-78                  | 40 x 36 | 135-77                  | 80 x 80 |
| 83-29XX series  |                         |         | 83-2705                 | 30      |
| 83-2922         | 83-2089                 | 50      |                         |         |
| 83-2923         | 83-2596                 | 80      |                         |         |
| 83-2924         | 83-1256                 | 100     |                         |         |
| 83-2925         | 83-2405                 | 150     |                         |         |
| 83-2926         | 83-2706                 | 200     |                         |         |
| 54-990          | 54-987                  | 100     |                         |         |
| 54-981          | 54-980                  | 150     |                         |         |
| 54-988          | 54-987                  | 100     |                         |         |
| 54-982          | 54-980                  | 150     |                         |         |
| VS-532          | VS-58-K10               | 100     |                         |         |
| VS-534          | VS-58-K10               | 100     |                         |         |
| VS-531          | 31144-310-K10           | 100     |                         |         |
| PLH-MF-6-100    | PLH-MFC-100             | 100     |                         |         |



FOR USE WITH FILTERS ON PAGES 2-3 AND 2-4



844000



873067



41-1020



237-847

## Surge Chambers / Pulsation Dampeners

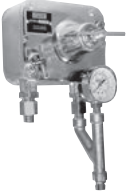


| Part Number | Pressure Range | Fitting Sizes      | Wetted Parts                        | Notes   | Service Form |
|-------------|----------------|--------------------|-------------------------------------|---|--------------|
| 844000      | 0-100 psi      | 1" npt(f) fittings | Conductive acetal and PTFE          | Reduces pulsation by up to 97%. Helps reduce foaming and hydraulic shock. 873067 Grounding Kit. | 844000       |
| 873067      | n/a            | n/a                | n/a                                 | Grounding Kit for 844000  | 840000       |
| 41-1020     | 0-4000 psi     | 3/8" npt(f)        | Plated steel, painted blue exterior | Surge bottle only   | 77-2469      |
| 237-847     | 0-1800 psi     | 3/4-16-unf-2b      | Aluminum                            | Surge bottle only   | 77-2807      |

# Fluid Regulators, Gauges & Heaters

|   |             |
|---|-------------|
| <b>FLUID REGULATORS</b>                     | <b>3-2</b>  |
| <b>BACK PRESSURE FLUID REGULATORS</b>       | <b>3-6</b>  |
| <b>GUN MOUNT NON-CIRCULATING REGULATORS</b> | <b>3-10</b> |
| <b>GUN MOUNT CIRCULATING REGULATORS</b>     | <b>3-10</b> |
| <b>FLUID REGULATOR KITS</b>                 | <b>3-12</b> |
| <b>PRESSURE GAUGES &amp; RISER TUBES</b>    | <b>3-13</b> |
| <b>FLUID HEATERS &amp; FRP HEATER KITS</b>  | <b>3-14</b> |

# Fluid Regulators, Gauges & Heaters

## Low Pressure Fluid Regulators

|   | Part Number       | Wetted Parts        | Inlet      | Outlet                    | Inlet Pressure Min. | Inlet Pressure Max. | Outlet Pressure Min. | Outlet Pressure Max. |
|---|-------------------|---------------------|------------|---------------------------|---------------------|---------------------|----------------------|----------------------|
|    | For Ceramic Glaze |                     |            |                           |                     |                     |                      |                      |
|   | 84-120            | Nickel Plated Brass | 3/8"npt(m) | 3/8"nps(m)                | n/a                 | 100 psi / 7 bar     | 5 psi / .35 bar      | 40 psi / 2.7 bar     |
|   | HGB-502-1         | Stainless steel     | 3/8"npt(f) | (2) 3/8"npt(f)            | 50 psi / 3.5 bar    | 175 psi / 12 bar    | 10 psi / .7 bar      | 75 psi / 5 bar       |
|   | HGB-508-1         | Stainless steel     | 3/8"nps(f) | 3/8"nps(m) / 3/8"npt(f)   | 50 psi / 3.5 bar    | 175 psi / 12 bar    | 10 psi / .7 bar      | 75 psi / 5 bar       |
|   | HGB-509-5-R38     | Stainless steel     | 3/8bsp(f)  | 3/8"nps / bsp(m)          | 30 psi / 2 bar      | 180 psi / 12.5 bar  |                      | 75 psi / 5 bar       |
|   | HGB-609-1.2-R38   | Stainless steel     | 3/8"bsp(f) | 3/8"nps / bsp(m)          | 15 psi / 1 bar      | 115 psi / 8 bar     |                      | 35 psi / 2.5 bar     |
|   | HGB-609-5-R38     | Stainless steel     | 3/8"bsp(f) | 3/8"nps / bsp(m)          | 30 psi / 2 bar      | 175 psi / 12 bar    |                      | 75 psi / 5 bar       |
|   | HGB-609-9-R38     | Stainless steel     | 3/8"bsp(f) | 3/8"nps / bsp(m)          | 45 psi / 3 bar      | 215 psi / 15 bar    |                      | 130 psi / 9 bar      |
|  | 84-410            | Stainless steel     | 3/8"npt(f) | 3/8"nps(m) / 3/8"npt(f)   |                     | 100 psi / 7 bar     | 1 psi / .1 bar       | 12 psi / 1 bar       |
|   | 84-320            | Stainless steel     | 3/8"npt(m) | 3/8"nps(m)                |                     | 200 psi / 14 bar    | 5 psi / .3 bar       | 55 psi / 4 bar       |
|   | 84-407            | Stainless steel     | 3/8"npt(f) | 3/8"nps(m) / 1/4" npt (f) |                     | 200 psi / 14 bar    | 5 psi / .3 bar       | 55 psi / 4 bar       |
|   | 84-409            | Stainless steel     | 3/8"npt(m) | 3/8"nps(m) / 3/8"npt(f)   |                     | 200 psi / 14 bar    | 5 psi / .3 bar       | 100 psi / 7 bar      |
|   | 84-346            | Zinc plated         | 3/8"npt(m) | 3/8"nps(m) / 1/4"npt(f)   |                     | 100 psi / 7 bar     | 1 psi / .1 bar       | 12 psi / 1 bar       |
|   | 84-345            | Zinc plated         | 3/8"npt(m) | 3/8"nps(m)                |                     | 200 psi / 14 bar    | 5 psi / .3 bar       | 55 psi / 4 bar       |
|   | 84-411            | Zinc plated         | 3/8"npt(m) | 3/8"nps(m)                |                     | 200 psi / 14 bar    | 5 psi / .3 bar       | 100 psi / 7 bar      |
|   | 84-412            | Zinc plated         | 3/8"npt(m) | 3/8"nps(m)                |                     | 200 psi / 14 bar    | 5 psi / .3 bar       | 100 psi / 7 bar      |

# Fluid Regulators, Gauges & Heaters




## Low Pressure Fluid Regulators

| Part Number              | Capacity            | Type                         | Gauge   | Shipping Weight | Service Forms |
|--------------------------|---------------------|------------------------------|---|-----------------|---------------|
| <b>For Ceramic Glaze</b> |                     |                              |   |                 |               |
| <b>84-120</b>            | 1 gpm / 3.8 lpm     | Key                          | 83-1355 gauge 100 / 0-7 bar                         |                 | 77-1417       |
| <b>HGB-502-1</b>         | 8 gpm / 30 lpm      | Key<br>(adaptable to remote) | None  |                 | SB-6-375      |
| <b>HGB-508-1</b>         | 8 gpm / 30 lpm      | Key<br>(adaptable to remote) | HGB-14 riser tube & 83-2727 gauge 100 psi / 6.5 bar |                 | SB-6-375      |
| <b>HGB-509-5-R38</b>     | 3.4 gpm / 13 lpm    | Key                          | None  |                 | SB-6-HGB-H    |
| <b>HGB-609-1.2-R38</b>   | 2.2 gpm / 8.3 lpm   | Key                          | MA-25 gauge 35 psi / 2.5 bar                        |                 | SB-6-HGB-H    |
| <b>HGB-609-5-R38</b>     | 3.4 gpm / 13 lpm    | Key                          | 83-2727 gauge 100 psi / 7 bar                       |                 | SB-6-HGB-H    |
| <b>HGB-609-9-R38</b>     | 3.4 gpm / 13 lpm    | Key                          | GA-288 gauge 160 psi / 11 bar                       |                 | SB-6-HGB-H    |
| <b>84-410</b>            | 12 oz/Min. / .4 lpm | Key<br>(adaptable to remote) | 84-348 riser tube & 83-1414 gauge 30 psi / 2 bar    |                 | 77-1921       |
| <b>84-320</b>            | 1 gpm / 3.8 lpm     | Key<br>(adaptable to remote) | 84-348 riser tube & 83-2571 gauge 100 psi / 6.5 bar |                 | 77-1486       |
| <b>84-407</b>            | 1 gpm / 3.8 lpm     | Remote operated              | 84-348 riser tube & 83-2571 gauge 100 psi / 6.5 bar |                 | 77-1486       |
| <b>84-409</b>            | 1 gpm / 3.8 lpm     | Key<br>(adaptable to remote) | 84-348 riser tube & 83-2571 gauge 100 psi / 6.5 bar |                 | 77-1915       |
| <b>84-346</b>            | 12 oz/Min. / .4 lpm | Key<br>(adaptable to remote) | 84-40 riser tube & 83-1636 gauge 15 psi / 1 bar     |                 | 77-1758       |
| <b>84-345</b>            | 1 gpm / 3.8 lpm     | Key<br>(adaptable to remote) | 84-40 riser tube & 83-1355 gauge 100 psi / 6.5 bar  |                 | 77-1632       |
| <b>84-411</b>            | 1 gpm / 3.8 lpm*    | Key<br>(adaptable to remote) | 84-40 riser tube & 83-1355 gauge 100 psi / 6.5 bar  |                 | 77-2011       |
| <b>84-412</b>            | 1 gpm / 3.8 lpm     | Key<br>(adaptable to remote) | 84-40 riser tube & 83-1290 gauge 150 psi / 10 bar   |                 | 77-1632       |


\* For high viscosity materials 2 gpm / 7.6 lpm for low viscosity

# Fluid Regulators, Gauges & Heaters

## Low Pressure Fluid Regulators

| Part Number   | Wetted Parts                       | Inlet          | Outlet         | Inlet Pressure Min. | Inlet Pressure Max. | Outlet Pressure Min. | Outlet Pressure Max. |
|---|------------------------------------|----------------|----------------|---------------------|---------------------|----------------------|----------------------|
| <b>Air pilot</b>  |                                    |                |                |                     |                     |                      |                      |
|  <b>HGB-510-R1</b> | Stainless steel                    | 1/4"bsp(f)     | 1/4"bsp(f)     | 30 psi / 2 bar      | 220 psi / 15 bar    |                      | 220 psi / 15 bar     |
| <b>HGB-510-R2</b>   | Stainless steel                    | 1/4"bsp(f)     | 1/4"bsp(f)     | 15 psi / 1 bar      | 220 psi / 15 bar    |                      | 100 psi / 7 bar      |
| <b>HGB-510-R4</b>   | Stainless steel                    | 1/4"bsp(f)     | 1/4"bsp(f)     | 15 psi / 1 bar      | 220 psi / 15 bar    |                      | 60 psi / 4 bar       |
| <b>HGB-510-R1-CO</b>  | Stainless steel                    | 3/8"nps/bsp(m) | 1/4"bsp(f)     | 30 psi / 2 bar      | 220 psi / 15 bar    |                      | 220 psi / 15 bar     |
| <b>HGB-510-R2-CO</b>  | Stainless steel                    | 3/8"nps/bsp(m) | 1/4"bsp(f)     | 15 psi / 1 bar      | 220 psi / 15 bar    |                      | 100 psi / 7 bar      |
| <b>HGB-510-R4-CO</b>  | Stainless steel                    | 3/8"nps/bsp(m) | 1/4"bsp(f)     | 15 psi / 1 bar      | 220 psi / 15 bar    |                      | 60 psi / 4 bar       |
|  <b>845020</b>   | Stainless steel / Tungsten carbide | 1/4"npt(f)     | (2) 1/4"npt(f) |                     | 750 psi / 52 bar    | 0 psi / 0 bar        | 30 psi / 2 bar       |
|  <b>845004</b>   | Stainless steel / Tungsten carbide | 3/8"npt(f)     | 3/8"npt(f)     |                     | 750 psi / 52 bar    | 20 psi / 1.4 bar     | 60 psi / 4 bar       |

## Medium Pressure Fluid Regulators

| Part Number   | Wetted Parts                       | Inlet      | Outlet     | Inlet Pressure Min. | Inlet Pressure Max. | Outlet Pressure Min. | Outlet Pressure Max. |
|---|------------------------------------|------------|------------|---------------------|---------------------|----------------------|----------------------|
|  <b>845001</b> | Stainless steel / Tungsten carbide | 3/8"npt(f) | 3/8"npt(f) |                     | 1250 psi / 86 bar   | 100 psi / 7 bar      | 800 psi / 55 bar     |



# Fluid Regulators, Gauges & Heaters

## Low Pressure Fluid Regulators




| Part Number          | Capacity          | Type              | Gauge                                   | Shipping Weight | Service Forms |
|----------------------|-------------------|-------------------|---|-----------------|---------------|
| <b>Air pilot</b>     |                   |                   |   |                 |               |
| <b>HGB-510-R1</b>    | .42 gpm / 1.6 lpm | Remote (4mm tube) | None                                    |                 | SB-6-HGB-H    |
| <b>HGB-510-R2</b>    | .35 gpm / 1.3 lpm | Remote (4mm tube) | None                                    |                 | SB-6-HGB-H    |
| <b>HGB-510-R4</b>    | .2 gpm / .8 lpm   | Remote (4mm tube) | None                                    |                 | SB-6-HGB-H    |
| <b>HGB-510-R1-CO</b> | .42 gpm / 1.6 lpm | Remote (4mm tube) | None                                    |                 | SB-6-HGB-H    |
| <b>HGB-510-R2-CO</b> | .35 gpm / 1.3 lpm | Remote (4mm tube) | None                                    |                 | SB-6-HGB-H    |
| <b>HGB-510-R4-CO</b> | .2 gpm / .8 lpm   | Remote (4mm tube) | None                                    |                 | SB-6-HGB-H    |
| <b>845020</b>        | 3 gpm / 11.5 lpm  | Hex key wrench    | None                                    |                 | 845020        |
| <b>845004</b>        | 6 gpm / 23 lpm    | Hex key wrench    | Nipple, coupling & gauge 60 psi / 4 bar | 9 lbs.          | 84500X        |

## Medium Pressure Fluid Regulators




| Part Number   | Capacity       | Type           | Gauge                                      | Shipping Weight | Service Forms |
|---------------|----------------|----------------|--|-----------------|---------------|
| <b>845001</b> | 6 gpm / 23 lpm | Hex key wrench | Nipple, coupling & gauge 1000 psi / 70 bar | 9 lbs.          | 84500X        |

# Fluid Regulators, Gauges & Heaters

## High Pressure Fluid Regulators

|  | Part Number | Wetted Parts                       | Inlet            | Outlet     | Inlet Pressure Min. | Inlet Pressure Max. | Outlet Pressure Min. | Outlet Pressure Max. |
|--|-------------|------------------------------------|------------------|------------|---------------------|---------------------|----------------------|----------------------|
|   | 845014      | Carbon Steel / Tungsten carbide    | 3/8"npt(f)       | 3/8"npt(f) |                     | 3000 psi / 207 bar  | 400 psi / 28 bar     | 1250 psi / 86 bar    |
|  | 845011      | Stainless steel / Tungsten carbide | 3/8"npt(f)       | 3/8"npt(f) |                     | 6000 psi / 414 bar  | 1000 psi / 70 bar    | 3000 psi / 207 bar   |
|   | 845013      | Stainless steel / Tungsten carbide | 3/8"npt(f)       | 3/8"npt(f) |                     | 6000 psi / 414 bar  | 2000 psi / 140 bar   | 5000 psi / 345 bar   |
|  | 845010      | Stainless steel / Tungsten carbide | 3/8"npt(f)       | 3/8"npt(f) |                     | 3000 psi / 207 bar  | 400 psi / 28 bar     | 1250 psi / 86 bar    |
|  | 84-420      | Stainless steel                    | 1/4"npt(m)       | 1/4"npt(f) |                     | 3000 psi / 210 bar  | 300 psi / 21 bar     | 2000 psi / 139 bar   |
|  | 84-520      | Stainless steel                    | 2 ea. 1/4"npt(m) | 1/4"npt(f) |                     | 2000 psi / 140 bar  | 100 psi / 7 bar      | 900 psi / 62 bar     |

## Back Pressure Regulators (Low Pressure)

|   | Part Number | Wetted Parts                | Inlet        | Outlet       | Inlet Pressure Min. | Inlet Pressure Max. | Outlet Pressure Min. | Outlet Pressure Max. |
|---|-------------|-----------------------------|--------------|--------------|---------------------|---------------------|----------------------|----------------------|
|  | 84-501      | Electroless nickel plated   | 1/2"npt(f)   | 1/2"npt(f)   |                     | 150 psi / 10 bar    | 10 psi / .7 bar      | 140 psi / 10 bar     |
|   | 84-404      | Stainless steel             | 3/4npt(f)    | 3/4npt(f)    |                     | 150 psi / 10 bar    | 10 psi / .7 bar      | 140 psi / 10 bar     |
|   | 84-504      | Stainless steel             | 1-1/4"npt(f) | 1-1/4"npt(f) |                     | 150 psi / 10 bar    | 10 psi / .7 bar      | 140 psi / 10 bar     |
|   | 84-601      | Stainless steel (low shear) | 1/2"npt(f)   | 1/2"npt(f)   |                     | 200 psi / 14 bar    | 0 psi / 0 bar        | 130 psi / 9 bar      |
|  | 845000      | Stainless steel             | 3/8"npt(f)   | 3/8"npt(f)   |                     | 200 psi / 14 bar    | 0 psi / 0 bar        | 200 psi / 14 bar     |
|   | 845003      | Stainless steel             | 1-1/4"npt(f) | 1-1/4"npt(f) |                     | 200 psi / 14 bar    | 0 psi / 0 bar        | 200 psi / 14 bar     |
|  | HGBR-609    | Stainless steel             | 1/4"npt(f)   | 1/4"npt(f)   | 30 psi / 2 bar      | 180 psi / 12.5 bar  | 0 psi / 0 bar        | 130 psi / 9 bar      |

# Fluid Regulators, Gauges & Heaters

## High Pressure Fluid Regulators


| Part Number | Capacity         | Type           | Gauge                                      | Shipping Weight | Service Forms |
|-------------|------------------|----------------|--|-----------------|---------------|
| 845014      | 3 gpm / 11.5 lpm | Hex key wrench | None                                       | 9 lbs.          | 84501X        |
| 845011      | 3 gpm / 11.5 lpm | Hex key wrench | None                                       | 9 lbs.          | 84501X        |
| 845013      | 6 gpm / 23 lpm   | Hex key wrench | None                                       |                 | 84501X        |
| 845010      | 3 gpm / 11.5 lpm | Hex key wrench | None                                       |                 | 84501X        |
| 84-420      | 1 gpm / 3.8 lpm  | T- handle      | Optional gauge 101-3069 3000 psi / 207 bar |                 | 77-1908       |
| 84-520      | 1 gpm / 3.8 lpm  | T- handle      | Optional gauge 84-491 1000 psi / 70 bar    |                 | 77-1908       |

## Back Pressure Regulators (Low Pressure)



| Part Number | Capacity          | Type    | Gauge  | Shipping Weight | Service Forms |
|-------------|-------------------|---------|--|-----------------|---------------|
| 84-501      | 7 gpm / 26 lpm    | Key     | Optional 84-40 connection & 83-1290 gauge<br>150 psi / 10 bar  |                 | 77-1662       |
| 84-404      | 11 gpm / 42 lpm   | Key     | Optional 84-348 riser tube & 83-2744 gauge<br>200 psi / 13 bar |                 | 77-1889       |
| 84-504      | 11 gpm / 42 lpm   | Key     | Optional 84-348 riser tube & 83-2744 gauge<br>200 psi / 13 bar |                 | 77-1889       |
| 84-601      | 1 gpm / 3.8 lpm   | Key     | 84-348 riser tube & 83-2744 gauge<br>200 psi / 13 bar          |                 | 77-2629       |
| 845000      | 6 gpm / 23 lpm    | Hex key | Nipple, coupling & gauge 300 psi / 21 bar                      | 9 lbs.          | 84500X        |
| 845003      | 18.5 gpm / 70 lpm | Hex key | Nipple, coupling & gauge 300 psi / 21 bar                      | 9 lbs.          | 84500X        |
| HGBR-609    | 4.9 gpm / 18 lpm  | Key     | Riser tube & gauge GA-288 160 psi / 11 bar                     |                 | SB-6-HGBR-A   |

# Fluid Regulators, Gauges & Heaters

## Back Pressure Regulators (Medium Pressure)

|   | Part Number | Wetted Parts    | Inlet      | Outlet     | Inlet Pressure Min. | Inlet Pressure Max. | Outlet Pressure Min. | Outlet Pressure Max. |
|---|-------------|-----------------|------------|------------|---------------------|---------------------|----------------------|----------------------|
|  | 845002      | Stainless steel | 3/8"npt(f) | 3/8"npt(f) |                     | 800 psi / 55 bar    | 0 psi / 0 bar        | 800 psi / 55 bar     |

## Back Pressure Regulators (High Pressure)

|   | Part Number | Wetted Parts    | Inlet      | Outlet     | Inlet Pressure Min. | Inlet Pressure Max. | Outlet Pressure Min. | Outlet Pressure Max. |
|---|-------------|-----------------|------------|------------|---------------------|---------------------|----------------------|----------------------|
|  | 84-421      | Stainless steel | 1/4"npt(f) | 1/4"npt(m) |                     | 3000 psi / 207 bar  | 300 psi / 21 bar     | 2000 psi / 140 bar   |
|  | 845012      | Stainless steel | 3/8"npt(f) | 3/8"npt(f) |                     | 3000 psi / 207 bar  | 100 psi / 7 bar      | 3000 psi / 207 bar   |

# Fluid Regulators, Gauges & Heaters

## Back Pressure Regulators (Medium Pressure)

| Part Number | Capacity       | Type    | Gauge                                      | Service Forms |
|-------------|----------------|---------|--|---------------|
| 845002      | 6 gpm / 23 lpm | Hex key | Nipple, coupling & gauge 1000 psi / 70 bar | 84500X        |

## Back Pressure Regulators (High Pressure)

| Part Number | Capacity        | Type      | Gauge                                      | Service Forms |
|-------------|-----------------|-----------|--|---------------|
| 84-421      | 1 gpm / 3.8 lpm | T- handle | Optional 101-3069 gauge 3000 psi / 207 bar | 77-1909       |
| 845012      | 6 gpm / 23 lpm  | Hex key   | None                                       | 84501X        |

3

# Fluid Regulators, Gauges & Heaters

## Gun Mount Non-Circulating Regulators

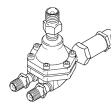
| Part Number | Description / Wetted Parts   | Inlet       | Outlet                | Inlet Press. Min. | Inlet Press. Max. | Outlet Press. Min. | Outlet Press. Max. |
|-------------|------------------------------|-------------|-----------------------|-------------------|-------------------|--------------------|--------------------|
| 84-585      | Stainless steel low pressure | 1/4" nps(m) | 3/8" nps(f) sw        | n/a               | 250 psi           | 0 psi              | 50 psi             |
| HGS-5132    | Stainless steel low pressure | 1/8" npt(f) | 3/8" nps(f) sw        | 50 psi            | 300 psi           | 2 psi              | 100 psi            |
| HGS-5133    | Stainless steel low pressure | 1/8" npt(f) | 1/4" nps(m) standpipe | 50 psi            | 300 psi           | 2 psi              | 100 psi            |
| HGS-5231    | Stainless steel low pressure | 1/8" npt(f) | Bayonet lock (q.d.)   | 50 psi            | 300 psi           | 2 psi              | 100 psi            |
| HGS-5232    | Stainless steel low pressure | 1/8" npt(f) | 3/8" nps(f) swivel    | 50 psi            | 300 psi           | 2 psi              | 100 psi            |
| HGS-5233    | Stainless steel low pressure | 1/8" npt(f) | 1/4" nps(m) standpipe | 50 psi            | 300 psi           | 2 psi              | 100 psi            |
| HGS-5239    | Stainless steel low pressure | 3/8" nps(f) | 3/8" nps(m)           | 50 psi            | 300 psi           | 2 psi              | 100 psi            |
| HGS-5242    | Stainless steel              | 3/8" nps(m) | 3/8" nps(f) sw        | 50 psi            | 300 psi           | 2 psi              | 100 psi            |

## Gun Mount Circulating Regulators

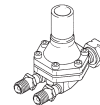
| Part Number | Description / Wetted Parts             | Inlet           | Outlet                         | Inlet Press. Min. | Inlet Press. Max. | Outlet Press. Min. | Outlet Press. Max. |
|-------------|--|-----------------|--------------------------------|-------------------|-------------------|--------------------|--------------------|
| 84-525      | Stainless steel                        | 1/4" nps(m)     | 3/8" nps(f) sw/<br>1/4" nps(m) | n/a               | 250 psi           | 0 psi              | 50 psi             |
| HGS-5112    | Stainless steel                        | 1/4" nps(m)     | 3/8" nps(f) sw                 | 50 psi            | 300 psi           | 2 psi              | 100 psi            |
| HGS-5113    | Stainless steel                        | 1/4" nps(m)     | 1/4" nps(m) standpipe          | 50 psi            | 300 psi           | 2 psi              | 100 psi            |
| HGS-5122    | Stainless steel                        | 3/8" nps(m)     | 3/8" nps(f) sw                 | 50 psi            | 300 psi           | 2 psi              | 100 psi            |
| HGS-5211    | Stainless steel                        | 1/4" nps(m)     | Bayonet lock (q.d.)            | 50 psi            | 300 psi           | 2 psi              | 100 psi            |
| HGS-5212    | Stainless steel                        | 1/4" nps(m)     | 3/8" nps(f) sw                 | 50 psi            | 300 psi           | 2 psi              | 100 psi            |
| HGS-5221    | Stainless steel                        | 3/8" nps(m)     | Bayonet lock (q.d.)            | 50 psi            | 300 psi           | 2 psi              | 100 psi            |
| HGS-5222    | Stainless steel                        | 3/8" nps(m) x 2 | 3/8" nps(f) sw                 | 50 psi            | 300 psi           | 2 psi              | 100 psi            |
| HGS-5313    | Stainless steel                        | 1/4" nps(m)     | 1/4" nps(m) standpipe          | 50 psi            | 300 psi           | 2 psi              | 100 psi            |
| 84-261      | s.s. Circulating Conn w/<br>Restrictor | 3/8" nps(m)     | 3/8" nps(f) sw                 | 0 psi<br>0 bar    | 200 psi           | n/a                | n/a                |
| 72-1823     | s.s. Circulating Conn.                 | 3/8" nps(m) x 2 | 3/8" nps(f)                    | 0 psi<br>0 bar    | 200 psi           | n/a                | n/a                |

# Fluid Regulators, Gauges & Heaters

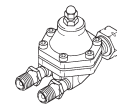
## Gun Mount Non-Circulating Regulators



Style 5A



Style 5B



Style 5C

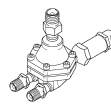


Style 13B

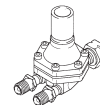


| Part Number | Capacity     | Type               | Gauge | Style*   | Service Forms |
|-------------|--------------|--------------------|-------|----------|---------------|
| 84-585      | n/a          | Manually adjusted  | None  | 13B      | 77-2689       |
| HGS-5132    | 2500 ml /min | Air pilot (remote) | None  | 5A,B & C | SB-6-403      |
| HGS-5133    | 2500 ml /min | Air pilot (remote) | None  | 5A,B & C | SB-6-403      |
| HGS-5231    | 2500 ml /min | Manual             | None  | 5A,B & C | SB-6-403      |
| HGS-5232    | 2500 ml /min | Manual             | None  | 5A,B & C | SB-6-403      |
| HGS-5233    | 2500 ml /min | Manual             | None  | 5A,B & C | SB-6-403      |
| HGS-5239    | 2500 ml /min | Manual             | None  | 5A,B & C | SB-6-403      |
| HGS-5242    | 2500 ml /min | Manual             | None  | 5A,B & C | SB-6-403      |

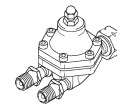
## Gun Mount Circulating Regulators



Style 5A



Style 5B



Style 5C



Style 13B



| Part Number | Capacity     | Type                    | Gauge | Style*   | Service Forms |
|-------------|--------------|-------------------------|-------|----------|---------------|
| 84-525      | 1/2 GPM      | Spray gun mount         | None  | 13B      | 77-2594       |
| HGS-5112    | 2500 ml /min | Air pilot (remote)      | None  | 5A,B & C | SB-6-403      |
| HGS-5113    | 2500 ml /min | Air pilot (remote)      | None  | 5A,B & C | SB-6-403      |
| HGS-5122    | 2500 ml /min | Air pilot (remote)      | None  | 5A,B & C | SB-6-403      |
| HGS-5211    | 2500 ml /min | Manual                  | None  | 5A,B & C | SB-6-403      |
| HGS-5212    | 2500 ml /min | Manual                  | None  | 5A,B & C | SB-6-403      |
| HGS-5221    | 2500 ml /min | Manual                  | None  | 5A,B & C | SB-6-403      |
| HGS-5222    | 2500 ml /min | Manual                  | None  | 5A,B & C | SB-6-403      |
| HGS-5313    | 2500 ml /min | Manual tamper resistant | None  | 5A,B & C | SB-6-403      |
| 84-261      | n/a          | n/a                     | None  | n/a      | 77-2096       |
| 72-1823     | n/a          | n/a                     | None  | n/a      | n/a           |



# Fluid Regulators, Gauges & Heaters

## Fluid Regulator Repair Kits

| Regulator Part No. | Repair Kit | Diaphragm Kit | Valve & Seat Kit | Service Form |
|--------------------|------------|---------------|------------------|--------------|
| 84-120             | n/a        | n/a           | n/a              | 77-1417      |
| 84-320             | n/a        | 6-1310        | n/a              | 77-1486      |
| 84-345             | 6-221      | n/a           | n/a              | 77-1632      |
| 84-346             | 84-591     | 84-592        | n/a              | 77-1758      |
| 84-404             | n/a        | 6-1310        | 6-1312           | 77-1889      |
| 84-407             | n/a        | 6-1310        | n/a              | 77-1486      |
| 84-409             | 6-210      | n/a           | n/a              | 77-1915      |
| 84-410             | 84-591     | 84-592        | n/a              | 77-1921      |
| 84-411             | 6-210      | n/a           | n/a              | 77-2011      |
| 84-412             | 6-221      | n/a           | n/a              | 77-1632      |
| 84-415 (OBS)       | 84-591     | 84-592        | n/a              | 77-1758      |
| 84-420             | 6-1306     | n/a           | n/a              | 77-1908      |
| 84-421             | 6-1306     | n/a           | n/a              | 77-1909      |
| 84-501             | n/a        | 6-1310        | 6-1311           | 77-1662      |
| 84-504             | n/a        | 6-1310        | 6-1312           | 77-1889      |
| 84-520             | 6-1306     | n/a           | n/a              | 77-1908      |
| 84-525             | n/a        | 6-1305        | n/a              | 77-2594      |
| 84-585             | n/a        | 6-1305        | n/a              | 77-2689      |
| 84-598             | 6-525      | 6-525         | 6-525            | 77-2871      |
| 84-599             | 6-526      | 6-526         | 6-526            | 77-2871      |
| 84-601             | n/a        | 6-1309        | n/a              | 77-2629      |
| 845000             | 863011     | n/a           | n/a              | 84500X       |
| 845001             | 863010     | 863003        | 863005           | 84500X       |
| 845002             | 863011     | n/a           | n/a              | 84500X       |
| 845003             | 863012     | 863003        | 863004           | 84500X       |
| 845004             | 863018     | 863003        | 863007           | 84500X       |
| 845010             | 863013     | 863008        | 863007           | 84501X       |
| 845011             | 863013     | 863008        | 863007           | 84501X       |

## Fluid Regulator Repair Kits

| Regulator Part No. | Repair Kit | Diaphragm Kit | Valve & Seat Kit | Service Form |
|--------------------|------------|---------------|------------------|--------------|
| 845012             | 863011     | 863003        | 863001           | 84500X       |
| 845013             | 863015     | 863008        | 863005           | 84501X       |
| 845014             | 863013     | 863008        | 863007           | 84501X       |
| 845020             | n/a        | n/a           | n/a              | 845020       |
| HGB-502-1          | n/a        | KK-4216       | HGB-406-4-K      | SB-6-375     |
| HGB-508-1          | n/a        | KK-4216       | HGB-406-4-K      | SB-6-375     |
| HGB-509-5-R38      | n/a        | HGB-422       | HGB-426-00       | SB-6-HGB-H   |
| HGB-510-R2         | n/a        | HGB-424       | HGB-426          | SB-6-HGB-H   |
| HGS-5112           | KK-4456    | n/a           | n/a              | SB-6-403     |
| HGS-5113           | KK-4456    | n/a           | n/a              | SB-6-403     |
| HGS-5122           | KK-4456    | n/a           | n/a              | SB-6-403     |
| HGS-5132           | KK-4456    | n/a           | n/a              | SB-6-403     |
| HGS-5133           | KK-4456    | n/a           | n/a              | SB-6-403     |
| HGS-5211           | KK-4456    | n/a           | n/a              | SB-6-403     |
| HGS-5212           | KK-4456    | n/a           | n/a              | SB-6-403     |
| HGS-5221           | KK-4456    | n/a           | n/a              | SB-6-403     |
| HGS-5222           | KK-4456    | n/a           | n/a              | SB-6-403     |
| HGS-5231           | KK-4456    | n/a           | n/a              | SB-6-403     |
| HGS-5232           | KK-4456    | n/a           | n/a              | SB-6-403     |
| HGS-5233           | KK-4456    | n/a           | n/a              | SB-6-403     |
| HGS-5239           | KK-4456    | n/a           | n/a              | SB-6-403     |
| HGS-5242           | KK-4456    | n/a           | n/a              | SB-6-403     |
| HGS-5313           | KK-4456    | n/a           | n/a              | SB-6-403     |

# Fluid Regulators, Gauges & Heaters



GA-288



237-765

## Fluid Pressure Gauges

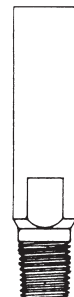
| Part No. | Capacity Pressure | Thread Size & Position |             | Notes  |
|----------|-------------------|------------------------|-------------|--|
|          |                   | Bottom                 | Back        |  |
| GA-73    | 30 psi            | 1/4" npt(m)            |             | 2" diameter  |
| MA-25    | 35 psi / 2.5 bar  | 1/4" bspt              |             | 50 mm dia. – used on HGB-609-1.2R38 fluid regulators |
| 237-765  | 100 psi           |                        | 1/8" npt(m) | 1-1/2" diameter stainless steel                      |
| 83-2571  | 100 psi           | 1/4" npt(m)            |             | 2-11/16" diameter with stainless steel bourdon tube  |
| GA-288   | 160 psi           | 1/4" npt(m)            |             | 2" diameter  |
| 84-246   | 200 psi           | 1/4" npt(m)            |             | 2-1/2" diameter with pulse diaphragm                 |
| 84-491   | 1000 psi          | 1/4" npt(m)            |             | 2-1/2" diameter w / diaphragm                        |
| 101-3069 | 3000 psi          | 1/4" npt(m)            |             | 2-7/64" diameter w / pulse diaphragm                 |
| 873055   | 3000 psi          |                        | 1/4" npt(m) | Stainless steel                                      |

## Liquid Filled Stainless Steel

| Part No. | Capacity Pressure | Thread Size & Position |      | Notes  |
|----------|-------------------|------------------------|------|--|
|          |                   | Bottom                 | Back |  |
| 107-1433 | 2000 psi          | 1/4" npt(m)            |      | Used on 101-1950 stainless steel pump assembly |
| 107-1637 | 1000 psi          | 1/4" npt(m)            |      |  |

## Riser Tubes (For Fluid Regulators / Gauges)

| Part Number | Size        | Size        | Length | Materials     | Max. Working Pressure | Where Used                                  | Service Form                          |
|-------------|-------------|-------------|--------|---------------|-----------------------|---|---------------------------------------|
| HGB-14      | 3/8" npt(m) | 1/4" npt(f) | 3 1/2" | 303 Stn. Stl. | 250 PSI               | HGB and HGBR Series Regs and BPR's          | SB-6-375<br>SB-6-HGB-H<br>SB-6-HGBR-A |
| 84-348      | 1/4" npt(m) | 1/4" npt(f) | 3"     | 303 Stn. Stl. | 250 PSI               | Reg's:<br>84-410, 84-320,<br>84-407, 84-409 | 77-1921, 77-1486<br>77-1486, 77-1915  |
| 84-40       | 1/4" npt(m) | 1/4" npt(f) | 3"     | Brass         | 250 PSI               | Reg's:<br>84-345, 84-346<br>84-411, 84-412  | 77-1632, 77-1758<br>77-2011, 77-1632  |



# Fluid Regulators, Gauges & Heaters



High pressure, lightweight (28 lbs), compact construction. Working capacity to 5000 psi and with adjustable thermostatic control from 60° to 250°F. The typical temperature rise with a flow of 32 fl. oz./min. while maintaining a temperature of 100% above ambient is 100°F. 1/2" npt(f) inlet and outlet ports. (CSA listed, CE approved)

Explosion Proof, Class 1, Division 1, Group D for Hazardous Locations.

**Capacity of fluid in heater:** 0.162 L  
**Fluid Passage Length:** 91.7"  
**Ports:** 1/2" npt(f)

## Fluid Heaters

| Part Number | Max. Working Pressure | Temp Range     | Wetted Parts    | Voltage | Amperage  | Mntg Hdwe | Wattage    | Service Form |
|-------------|-----------------------|----------------|-----------------|---------|-----------|-----------|------------|--------------|
| 830000      | 5000 psi              | 60 - 250 Deg F | Stainless steel | 120 vac | 16.6 amps | Included  | 2000 Watts | 83000X       |
| 830001      | 5000 psi              | 60 - 250 Deg F | Stainless steel | 240 vac | 8.33 amps | Included  | 2000 Watts | 83000X       |
| 830002      | 5000 psi              | 60 - 250 Deg F | Stainless steel | 440 vac | 4.5 amps  | Included  | 2000 Watts | 83000X       |

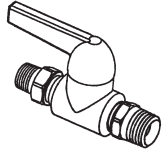
## FRP Heater Kits

| Part Number | Description   |
|-------------|---|
| 207-12351   | 115 volt mounting hardware kit, 2 fittings & hose – for mounting heaters to Unison (FRP) pump systems |
| 207-12352   | 220 volt mounting hardware kit, 2 fittings & hose – for mounting heaters to Unison (FRP) pump systems |

## Air & Fluid Valves

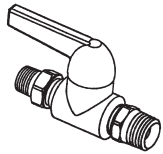
|   |            |
|---|------------|
| <b>BALL VALVES (LOW PRESSURE)</b>         | <b>4-2</b> |
| <b>BALL VALVES (HIGH PRESSURE)</b>        | <b>4-2</b> |
| <b>BALL VALVES (AIR VENT)</b>             | <b>4-3</b> |
| <b>VA SERIES VALVES (AIR &amp; FLUID)</b> | <b>4-3</b> |
| <b>AIR ADJUSTMENT VALVES</b>              | <b>4-4</b> |
| <b>PRESSURE SAFETY RELIEF VALVES</b>      | <b>4-4</b> |

# Air & Fluid Valves



## Ball Valves (Low Pressure)

| Part No.    | Thread Sizes        | Max. Working Pressure | Materials              | Useage            | Service Form |
|-------------|---------------------|-----------------------|------------------------|-------------------|--------------|
| 72-83030    | 1/4" m x 1/4" m •   | 250 psi               | Die cast (zinc plated) | Air / Fluid       | 77-2806      |
| 72-84040    | 3/8" m x 3/8" m •   | 250 psi               | Die cast (zinc plated) | Air / Fluid       | 77-2806      |
| 72-81414    | 1/4" f x 1/4" f     | 250 psi               | Die cast (zinc plated) | Air / Fluid       | 77-2806      |
| 72-84030    | 3/8" m x 1/4" m •   | 250 psi               | Die cast (zinc plated) | Air / Fluid       | 77-2806      |
| 72-81540    | 3/8" f x 3/8" m     | 250 psi               | Die cast (zinc plated) | Air / Fluid       | 77-2806      |
| 73-81414    | 1/4" f x 1/4" f +   | 250 psi               | Plated brass           | 3 Way Air / Fluid | 77-2806      |
| 73-83030    | 1/4" m x 1/4" m • + | 250 psi               | Plated brass           | 3 Way Air / Fluid | 77-2806      |
| 73-84040    | 3/8" m x 3/8" m • + | 250 psi               | Plated brass           | 3 Way Air / Fluid | 77-2806      |
| 849311      | 1/2" npt(f)         | 175 psi               | Cast aluminum          | Air               | n/a          |
| 0115-010334 | 3/8" bsp(f)         | 145 psi               | Plated brass           | 2 Way Air         | n/a          |



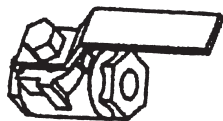
## Ball Valves (High Pressure)

| Part No.    | Thread Sizes      | Max. Working Pressure | Materials       | Useage | Service Form |
|-------------|-------------------|-----------------------|-----------------|--------|--------------|
| 72-13030    | 1/4" m x 1/4" m • | 4000 psi              | Brass/steel     | Fluid  | 77-2806      |
| 72-14040    | 3/8" m x 3/8" m • | 4000 psi              | Brass/steel     | Fluid  | 77-2806      |
| 72-14030    | 3/8" m x 1/4" m • | 4000 psi              | Brass/steel     | Fluid  | 77-2806      |
| 172-33535   | 1/4" m x 1/4" m • | 4000 psi              | Stainless steel | Fluid  | 77-2806      |
| 172-34545   | 3/8" m x 3/8" m • | 4000 psi              | Stainless steel | Fluid  | 77-2806      |
| 172-31414   | 1/4" f x 1/4" f   | 4000 psi              | Stainless steel | Fluid  | 77-2806      |
| 0114-019091 | 1/4" bspt(fbe)    | 4000 psi              |                 | Fluid  | n/a          |

• m = male thread (universal thread for use with "npt or" nps connections.)  
 + = 1/4" npt(f) inlet fittings  
 f = female thread (npt)  
 fbe = female both ends

4

# Air & Fluid Valves



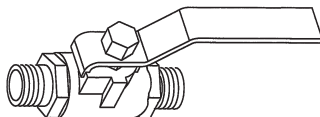
237-269, 73-91100, 73-91300  
Vented Ball Valve (Air)

## Ball Valves (Air Vent)

| Part No. | Thread Sizes   | Max. Working Pressure | Materials | Useage     | Service Form |
|----------|----------------|-----------------------|-----------|------------|--------------|
| 237-269  | 1/2" npt (fbe) | 250 psi               | Brass     | Air        | n/a          |
| 73-91100 | 3/8" npt (fbe) | 250 psi               | Brass     | Air / Vent | n/a          |
| 73-91300 | 3/4" npt (fbe) | 250 psi               | Brass     | Air / Vent | n/a          |



VA Series  
Ball Valves



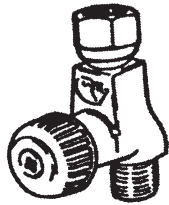
VA-595  
Vented Ball Valve (Air)

## VA Series Valves (Air & Fluid)

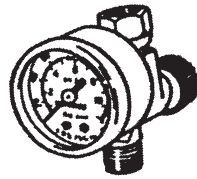
| Part No. | Thread Sizes                 | Max. Working Pressure | Materials       | Useage       | Service Form |
|----------|------------------------------|-----------------------|-----------------|--------------|--------------|
| VA-527   | 3/8" npt(m) x<br>3/8" nps(m) | 500 psi               | Stainless steel | Air / Fluid  | SB-11-119    |
| VA-528   | 3/8" nps(m) x<br>3/8" npt(f) | 500 psi               | Stainless steel | Air / Fluid  | SB-11-119    |
| VA-540   | 3/8" nps(m) x<br>3/8" npt(m) | 500 psi               | Brass           | Air / Fluid  | SB-11-119    |
| VA-542   | 1/4" nps(m) x<br>1/4" npt(m) | 500 psi               | Brass           | Air / Fluid  | SB-11-119    |
| VA-595   | 1/2" npt(mbe)                | 175 psi               | Brass           | Air / Vented | SB-11-119    |

m = male thread  
f = female thread (npt)  
fbe = female both ends  
mbe = male both ends

# Air & Fluid Valves



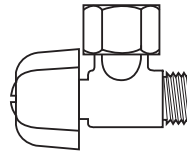
**HAV-500**  
Air Valve



**HAV-501**  
Air Valve



**P-H-5516**  
In Line Air Valve



**73-159**

## Air Adjusting Valves/Needle Valves/Cheater Valves

| Part Number     | Type      | Inlet Size    | Outlet Size   | W or W/O Gauge Assy. | Max. Working Pressure | Recommended Range | Service Form |
|-----------------|-----------|---------------|---------------|----------------------|-----------------------|-------------------|--------------|
| <b>873409</b>   | Straight  | 1/4" npt(fbe) | 1/4" npt(fbe) | W/O                  | 100 psi               | 0-100 psi         | n/a          |
| <b>HAV-500</b>  | Straight  | 1/4" nps(m)   | 1/4" nps(f)   | W/O                  | 125 psi               | 0-125 psi         | SB-11-119    |
| <b>HAV-501</b>  | Straight  | 1/4" nps(m)   | 1/4" nps(f)   | W / gauge            | 125 psi               | 0-125 psi         | SB-11-119    |
| <b>73-159</b>   | 90 Degree | 1/4" nps(m)   | 1/4" nps(f)   | W/O                  | 250 psi               | 0-125 psi         | n/a          |
| <b>P-H-5516</b> | 45 Degree | 1/4" nps(m)   | 1/4" nps(f)   | W/O                  | 250 psi               | 0-125 psi         | SB-11-119    |

fbe = Female Both Ends



Safety Valves

## Pressure Safety Relief Valves

| Part No.        | Pressure Rating | npt Male Thread | Service Form | Notes  |
|-----------------|-----------------|-----------------|--------------|--|
| <b>TIA-4326</b> | 18 psi          | 1/8"            | SB-11-661    | Used on 85-435 regulator and KK-4980 regulator kit         |
| <b>TIA-5040</b> | 40 psi          | 1/4"            | n/a          | Used on 183- tanks with extra-sensitive regulators         |
| <b>TIA-4355</b> | 55 psi          | 1/4"            | SB-11-661    | Used on KB Series cups                                     |
| <b>TIA-5080</b> | 80 psi          | 1/4"            | SB-11-661    | Replacement for TIA-4380—used on 2.8 gallon pressure tanks |
| <b>TIA-5110</b> | 110 psi         | 1/4"            | SB-11-661    | Used on 110 psi ASME code tanks                            |
| <b>85-243</b>   | 55 psi          | 1/8"            | n/a          | Used on 80-295 2-qt. cups                                  |



# Hose, Connections & Assemblies

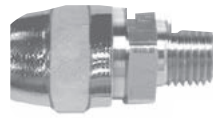
|  |             |
|--|-------------|
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| <b>UNDERSTANDING PRESSURE DROP</b>       | <b>5-3</b>  |
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# Hose, Connections & Assemblies

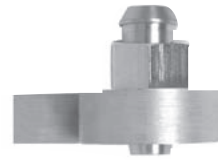
## Reusable Connections



Type A. Plated Brass

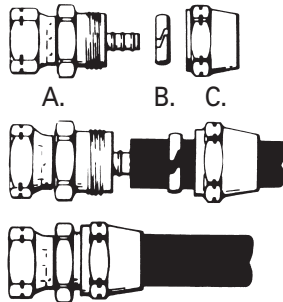


Type B. Plated Brass



Type C. Plated Brass

### How to Install Compression Sleeve Type Connections

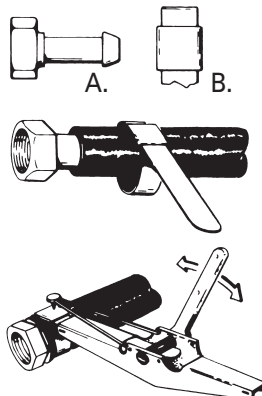


Place a matching double male nipple in a vise and tighten. Screw swivel nut onto fitting and tighten. Remove nut and sleeve from connector. Cut hose end square and slide nut over hose approximately 2 inches back from cut. Spread sleeve ring just enough to slide over hose easily. Push hose onto connector body, twisting hose slightly as you push to insure proper seating. Slide sleeve forward and tighten nut until connector body begins to turn. Remove double male nipple—hose and connection are ready to use. Tools required: vise, double male nipple, adjustable wrench, knife.

This connection consists of three (3) pieces:

- A. Swivel nut and connector body
- B. Sleeve
- C. Nut

### How to Install Punch-Lok Type Connections



Place a matching double male nipple in a vise and tighten. Screw swivel nut onto fitting and tighten. Cut hose end square and slide Punch-Lok strap onto hose about 3 inches from cut end. Push hose onto connection tailpiece and slide strap forward to approximately 1/4 inch from connector body nut. Insert end of strap into Punch-Lok tool and tighten. Do not overtighten or strap will cut hose. Hold tension on strap and position punch. Strike punch with hammer to lock strap in place. The Punch-Lok tool, when moved up and down will sever excess strap. Remove double male nipple, and hose connection is complete. Tools required: Vise, Punch-Lok tool, double male nipple, adjustable wrench, knife, hammer.

This connection consists of two (2) pieces:

- A. Swivel nut with tailpiece
- B. Punch-Lok strap

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 Steel pltd = Steel plated    Brass pltd = Brass plated    n/a = Not available

# Hose, Connections & Assemblies

## Understanding Pressure Drop

### Pressure Drop Basics

Understanding pressure drop requires a basic knowledge of cfm (cubic feet per minute) and psi (pounds per square inch). cfm refers to the given volume of air that flows past a given point in one minute. psi is the amount of force pushing the cubic foot of air through the hose or tool.

The amount of air that a tool consumes will remain constant for a given set of conditions. Pressure will always drop when the tool is turned on and when the air begins to flow through the hose. In addition, pressure drop will vary in relation to any adjustment made on the tool.

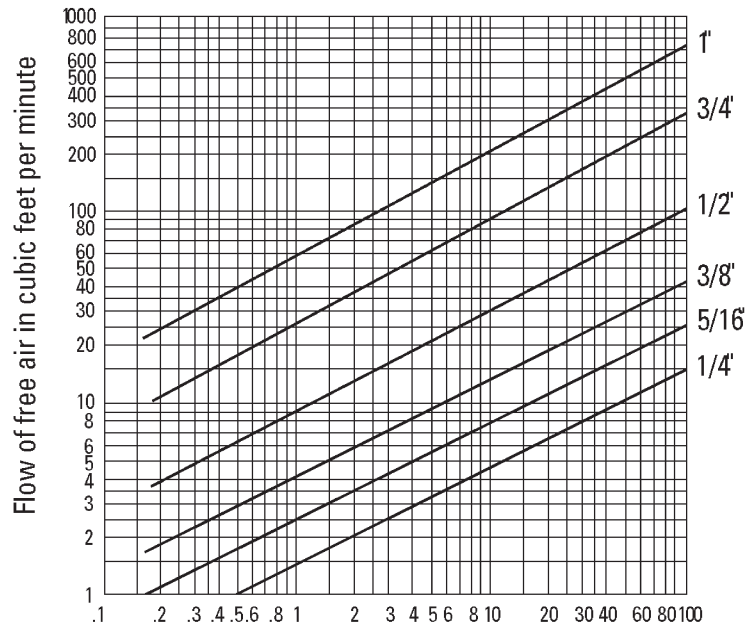
The same pressure loss principles apply when moving fluid through a hose. Be sure to consider pressure loss when choosing fluid hose and fittings.

### Pressure Drop Points

Losses in pressure (psi) are dependent on the variables of hose length, hose diameter, volume (cfm), and the number and design of quick disconnects. To minimize the effects of pressure drop and the resulting lack of volume, consider the following:

- Frictional resistance between the fluid and the walls of the hose
- Internal resistance (shear)—fluid moves faster through the center of the hose and slower against the walls
- Change in direction of air or fluid through the system
- Volume at any given time as determined by back pressure
- The number of system connections, adapters, nipples, valves, filters, and air and fluid controls
- Hose i.d.—use the minimum i.d. necessary for each application
- Hose length—pressure drop is proportional to hose length
- Surface of the hose's inner tube—a rough surface can increase pressure drop up to 50%

### Pressure Drop Chart Hose Sizes: 1/4" to 1" I.D.



### Pressure drop in pounds per sq. in., per 100 ft. of hose

To determine pressure drops for hose lengths other than 100 ft.:

$$(\text{Pressure Drop Chart Figure}) \times \frac{(\text{Ft. of Hose})}{100} = \text{Pressure drop for hose used}$$

### Technical Data

This chart is for approximating and should only serve as a guide in sizing air hose. Pressure drop is directly proportional to hose lengths. That means that if hose length doubles, for example, pressure drop doubles.

### Example:

- 100 ft. x 1/2 in. i.d. hose at 40 cfm has a pressure loss of 17.5 psi.
- 200 ft. x 1/2 in. i.d. will lose 35 psi.
- 50 ft. x 1/2 in. i.d. will lose between 8 to 9 psi.

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# Hose, Connections & Assemblies

## Technical Data

### Chemical Resistance Chart

| TYPES OF SOLVENTS, THINNERS, CATALYSTS   | FLUIDALL™ FLUID HOSE | HIGH PRESSURE AIRLESS | Nylon TUBING | POLYETHYLENE TUBING |
|--|----------------------|-----------------------|--------------|---------------------|
| Drying Oils, Alkyds<br>(Mineral Spirits)(Naphtha)  | ●■                   | ●■                    | ●■           | ●                   |
| Phenolic Varnishes, Epoxy Esters<br>Coal Tars, 1 Pkg. Urethanes<br>(Naphtha – Toluene Blend) | ●■                   | ●■                    | ●■           | ●                   |
| Chlorinated Rubber, Chlor. Rub. Zinc Rich<br>Silicones, "Hypalon" (Toluene), (Xylene)        | ●■                   | ●■                    | ●■           | ○                   |
| Phenolics, Epoxies, Epoxy Zinc Rich<br>Vinyl Alkyds (Toluene – MEK Blend)                    | ●■                   | ●■                    | ●■           | ○                   |
| Vinyls, Vinyl-Acrylics, Polyesters,<br>Polyester Zinc Rich, (MEK), (MIBK)                    | ●■                   | ●■                    | ●■           | ○                   |
| Lacquers, 2 Pkg. Urethanes<br>High Gloss Enamels (Ketone – Ester Blend)                      | ●■                   | ●■                    | ●■           | ○                   |
| PV Acetate, Polyacrylics<br>Latex, Zinc Silicates, (Water Based)                             | ●                    | ●                     | ●            | ●                   |
| Water-Based  | ●                    | ●                     | ●            | -                   |
| Aromatic, Solvent Based  | -                    | ●                     | -            | -                   |
| Chlorinated, Solvent Based   | ●                    | ●                     | ●            | -                   |

**KEY TO CHART:**

**Material at Room Temperature:** ● Continuous Service ○ Intermittent Service **Heated Material:** ■ Continuous Service

### Common Terms

|        |                          |                               |                          |
|--------|--------------------------|-------------------------------|--------------------------|
| (f)    | Female Thread            | sw                            | Swivel                   |
| (fbe)  | Female Both Ends         | mwp                           | Maximum Working Pressure |
| (m)    | Male Thread              | mpa                           | ? x 145 = P.S.I.         |
| (mbe)  | Male Both Ends           |                               |                          |
| cfm    | Cubic Feet Per Minute    | <b>Metric Conversion</b>      |                          |
| i.d.   | Inside Diameter          | 1 cm. = 0.3937 in.            |                          |
| J.I.C. | Joint Industrial Council | 1 bar = 14.5 psi.             |                          |
| nps    | National Pipe Straight   | 1 liter = 0.264 gal. (U.S.)   |                          |
| npt    | National Pipe Tapered    | 1 kg. = 2.205 lb.             |                          |
| o.d.   | Outside Diameter         | 1 meter = 3.28 ft.            |                          |
| psi    | Pounds Per Square Inch   | 1 millimeter = 0.03937 inches |                          |
| s.s.   | Stainless Steel          |                               |                          |

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# Hose, Connections & Assemblies

## Premium Spray Finishing Air Hose (Smooth Cover)

### Recommended Use

Premium spray finishing air hose. Class B oil resistance. Designed for all finishing operations as well as rugged industrial applications, especially applications requiring lubricants in the airline supply or where oil and grease are present in the environment. Excellent for use with water and water-based materials. Temperature range from -40°F to +200° F (max).

### Tube

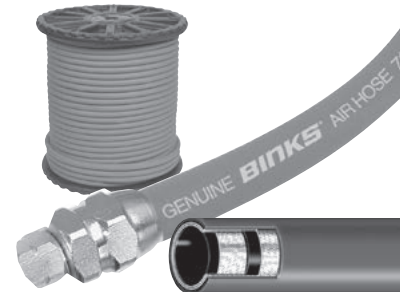
EPDM, Class B oil resistant.

### Reinforcement

High tensile strength spiral reinforcement. Specially designed for maximum flexibility (under pressure) and maximum coupling retention.

### Cover

EPDM, red, smooth.  
Abrasion resistant. Oil resistant.



### Bulk Hose Chart – Smooth Cover

| SIZES AVAILABLE |        | BULK HOSE NUMBER | MAXIMUM WORKING PRESSURE (psi) | BEND RADIUS | STD. REEL     | APPROX. SHIPPING WEIGHT |                        |
|-----------------|--------|------------------|--------------------------------|-------------|---------------|-------------------------|------------------------|
| I.D.            | o.d.   |                  |                                |             | LENGTH IN FT. | 1 PIECE REELS           | BASED ON FEET PER REEL |
| 1/4"            | 1/2"   | 71-10000         | 250                            | 2 3/4"      | 500           | 50 lbs.                 | 10 lbs.                |
| 5/16"           | 5/8"   | 71-11000         | 250                            | 3"          | 500           | 87 lbs.                 | 16.2 lbs.              |
| 3/8"            | 11/16" | 71-12000         | 250                            | 3 1/2"      | 500           | 96 lbs.                 | 18 lbs.                |
| 1/2"            | 7/8"   | 71-13000         | 250                            | 5"          | 300           | 86 lbs.                 | 26.8 lbs.              |
| 3/4"            | 1 1/8" | 71-14000         | 250                            | 6"          | 300           | 112 lbs.                | 35 lbs.                |

## Air Hose Grounded with Static Wire

### Recommended Use

Premium finishing air hose. Oil resistance, rating Class B. Designed for all finishing operations as well as rugged industrial applications. Static wire between tube and cover prevents build-up of static electricity. Commonly used with atomizing spray guns, electrostatic spray guns and equipment that requires grounding for safety purposes. Temperature range from -40° F to +200° F.

### Tube

EPDM, Class B oil resistant.

### Reinforcement

High tensile strength synthetic spiral reinforcement. Specially designed for maximum flexibility (under pressure) and maximum coupling retention.

### Cover

EPDM, red, smooth.  
Abrasion resistant. Oil resistant.



### Bulk Hose Chart – Smooth Cover

| SIZES AVAILABLE |       | BULK HOSE NUMBER | MAXIMUM WORKING PRESSURE (psi) | BEND RADIUS | STD. REEL     | APPROX. SHIPPING WEIGHT |                        |
|-----------------|-------|------------------|--------------------------------|-------------|---------------|-------------------------|------------------------|
| I.D.            | o.d.  |                  |                                |             | LENGTH IN FT. | 1 PIECE REELS           | BASED ON FEET PER REEL |
| 5/16"           | .618" | 71-20000         | 250                            | 3"          | 500           | 87 lbs.                 | 17.4 lbs.              |
| 3/8"            | .701" | 71-21000         | 250                            | 3.5"        | 500           | 96 lbs.                 | 19.2 lbs.              |

*Recommended hose connection 72-1317-1/4"nps(f), 72-1325-1/4"nps(f)*

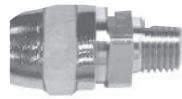
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# Hose, Connections & Assemblies

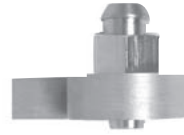
## Connections for Premium & Static Wire Air Hose



Type A. Plated Brass



Type B. Plated Brass



Type C. Plated Brass

| Hose Size                             |         | For Bulk Hose No.    | Connections     |          | Compression Sleeve | Type |
|---------------------------------------|---------|----------------------|-----------------|----------|--------------------|------|
| i.d.                                  | o.d.    |                      | Thread          | Part No. |                    |      |
| 1/4"                                  | 1/2"    | 71-10000             | 1/4" nps(f)     | 72-1303  | HC-20-K10          | A    |
|                                       |         |                      | 3/8" nps(f)     | 72-1306  | HC-20-K10          | A    |
|                                       |         |                      | 3/8" nps(f)s.s. | 72-2143* | 72-854-5           | A    |
| 5/16"                                 | 5/8"    | 71-11000<br>71-20000 | 1/4" nps(f)     | 72-1317  | HC-12-K10          | A    |
|                                       |         |                      | 1/4" npt(m)     | 72-1478  | HC-12-K10          | B    |
|                                       |         |                      | 3/8" nps(f)     | 72-1320  | HC-12-K10          | A    |
| 3/8"                                  | 11/16"  | 71-12000             | 1/4" nps(f)     | 72-1325  | HC-23-K10          | A    |
|                                       |         |                      | 3/8" nps(f)     | 72-1328  | HC-23-K10          | A    |
|                                       |         |                      | 3/8" nps(f)s.s. | 72-2146* | 72-854-5           | A    |
| 1/2"                                  | 7/8"    | 71-13000             | 3/8" nps(f)     | 72-1333  | HC-33              | A    |
|                                       |         |                      | 1/2" nps(f)     | 72-1334  | HC-33              | A    |
|                                       |         |                      | 1/2" nps(f)     | 72-954†* | —                  | C    |
| 3/4"                                  | 1 3/16" | 71-14000             | 3/4" nps(f)     | 72-1336† | —                  | C    |
|                                       |         |                      | 3/4" nps(f)     | 72-417†  | —                  | C    |
|                                       |         |                      | 3/4" nps(f)     | 72-955†* | —                  | C    |
|                                       |         |                      | 3/4" nps(f)     | 72-1935  | —                  | —    |
| <b>Ergoflex™ Air Hose Connections</b> |         |                      |                 |          |                    |      |
| 3/8"                                  | .646"   | 71-31000             | 1/4" nps(f)     | 72-2008  | HC-12-K10          | A    |

†Punch-Lok Connection \*Stainless Steel tailpiece

**SEE PAGE 5-12 FOR PREMIUM & STATIC WIRE AIR HOSE ASSEMBLIES**

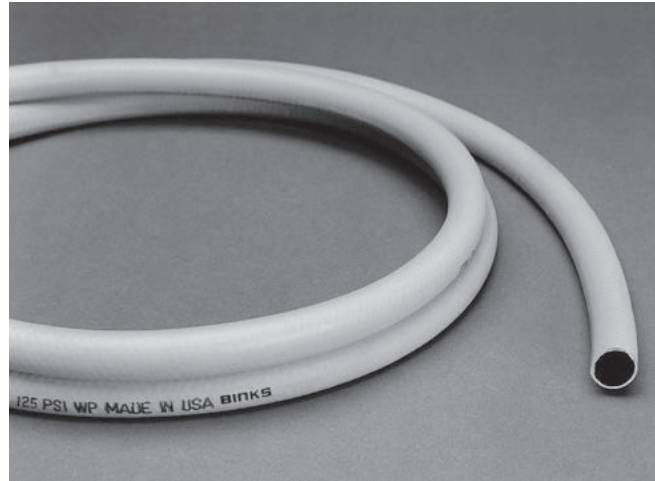
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# Hose, Connections & Assemblies

## Lightweight ErgoFlex™ Air Hose (Smooth Cover)

### Recommended Use

Binks ErgoFlex™ HLVP Hose is suitable for use with all kinds of air-operated equipment, including those requiring lubricant in the air line, or in environments where oil and grease are present. Temperature range from -40° F to +200° F (max).



### Tube

Black EPDM, Class B oil resistant.

### Reinforcement

Synthetic yarn – Spiral reinforcement.

### Cover

Tan EPDM, smooth, Class C oil resistant.

### Bulk Hose Chart – Smooth Cover

| SIZES AVAILABLE |       | BULK HOSE NUMBER | MAXIMUM WORKING PRESSURE (psi) | BEND RADIUS | STD. REEL                   | APPROX.                                | HOSE WEIGHT PER 100 FEET |
|-----------------|-------|------------------|--------------------------------|-------------|-----------------------------|--|--------------------------|
| I.D.            | o.d.  |                  |                                |             | LENGTH IN FT. 1 PIECE REELS | SHIPPING WEIGHT BASED ON FEET PER REEL |                          |
| 3/8"            | .646" | 71-31000         | 125                            | 3 1/2"      | 500                         | 70 lbs.                                | 12.8 lbs.                |

## Connections for Ergoflex™ Air Hose



Type A. Plated Brass

| Hose Size |       | For Bulk Hose No. | Connections |          | Compression Sleeve | Type |
|-----------|-------|-------------------|-------------|----------|--------------------|------|
| i.d.      | o.d.  |                   | Thread      | Part No. |                    |      |
| 3/8"      | .646" | 71-31000          | 1/4" nps(f) | 72-2008  | HC-12-K10          | A    |

**SEE PAGE 5-13 FOR ERGOFLEX™ HOSE ASSEMBLIES**

E.V.A. = Ethylene Vinyl Acetate    E.P.D.M. = Ethylene Propylene Diene Rubber    s.s. = Stainless steel  
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# Hose, Connections & Assemblies

## Fluidall™ Fluid Hose (Nylon Lined, Maximum Versatility)

### Recommended Use

Premium, versatile fluid hose, for finishing operations plus a wide range of fluid applications. Fluidall™ is ideal for resins and solvents contained in epoxies, urethanes, alkyds, primers, acrylics, polyesters, silicones, bitumastic coatings, oil and water based paints, lacquers, alcohol and latex coatings. Temperature range from 0° F to +190°F (max).



### Tube

Nylon.

### Reinforcement

High tensile synthetic braid. Specially designed for maximum flexibility (under pressure) and maximum coupling retention.

### Cover

Black, synthetic, smooth rubber. Class B oil resistant.

### Bulk Hose Chart – Smooth Cover

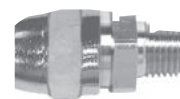
| SIZES AVAILABLE |         | BULK HOSE NUMBER | MAXIMUM WORKING PRESSURE (psi) | BEND RADIUS | STD. REEL                   | APPROX.                                | HOSE WEIGHT PER 100 FEET |
|-----------------|---------|------------------|--------------------------------|-------------|-----------------------------|--|--------------------------|
| I.D.            | o.d.    |                  |                                |             | LENGTH IN FT. 1 PIECE REELS | SHIPPING WEIGHT BASED ON FEET PER REEL |                          |
| 1/4"            | 1/2"    | 71-280           | 500                            | 3"          | 500                         | 43 lbs.                                | 8 lbs.                   |
| 3/8"            | 11/16"  | 71-282           | 500                            | 3 1/2"      | 500                         | 83 lbs.                                | 15 lbs.                  |
| 1/2"            | 7/8"    | 71-283           | 750                            | 5"          | 300                         | 74 lbs.                                | 22 lbs.                  |
| 3/4"            | 1 3/16" | 71-284           | 750                            | 8"          | 300                         | 118 lbs.                               | 36 lbs.                  |
| 1"              | 1 1/2"  | 71-285           | 750                            | 12"         | 300                         | 168 lbs.                               | 53 lbs.                  |

## Connections for Fluidall™ Fluid Hose

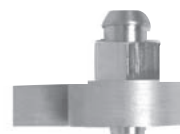
| Hose Size |         | For Bulk Hose No. | Connections      |          | Compression Sleeve | Type |
|-----------|---------|-------------------|------------------|----------|--------------------|------|
| i.d.      | o.d.    |                   | Thread           | Part No. |                    |      |
| 1/4"      | 1/2"    | 71-280            | 1/4" nps(f)      | 72-1303  | HC-20-K10          | A    |
|           |         |                   | 3/8" nps(f)      | 72-1306  | HC-20-K10          | A    |
|           |         |                   | 3/8" nps(f) s.s. | 72-2143* | 72-854-5           | A    |
| 3/8"      | 11/16"  | 71-282            | 1/4" nps(f)      | 72-1325  | HC-23-K10          | A    |
|           |         |                   | 3/8" nps(f)      | 72-1328  | HC-23-K10          | A    |
|           |         |                   | 3/8" nps(f) s.s. | 72-2146* | 72-856-5           | A    |
| 1/2"      | 7/8"    | 71-283            | 3/8" nps(f)      | 72-1333  | HC-33              | A    |
|           |         |                   | 1/2" nps(f)      | 72-1334  | HC-33              | A    |
|           |         |                   | 1/2" nps(f)      | 72-954†  |                    | C    |
| 3/4"      | 1 3/16" | 71-284            | 3/4" nps(f)      | 72-1336† |                    | C    |
|           |         |                   | 3/4" nps(f)      | 72-417†  |                    | C    |
|           |         |                   | 3/4" nps(f)      | 72-955†* |                    | C    |
|           |         |                   | 3/4" nps(f)      | 72-1935  |                    | —    |
| 1"        | 1 1/2"  | 71-285            | 1" nps(f)        | 72-418†  |                    | C    |
|           |         |                   | 1" nps(f)        | 72-956*  |                    | C    |
|           |         |                   | 1" nps(f)        | 72-1936  |                    | —    |



Type A. Plated Brass



Type B. Plated Brass



Type C. Plated Brass

†Punch-Lok Connection \*Stainless Steel tailpiece

### SEE PAGE 5-14 FOR FLUIDALL™ HOSE ASSEMBLIES

E.V.A. = Ethylene Vinyl Acetate    E.P.D.M. = Ethylene Propylene Diene Rubber    s.s. = Stainless steel  
 Steel pltd = Steel plated    Brass pltd = Brass plated    n/a = Not available



# Hose, Connections & Assemblies

## Tubing & Connections

### Nylon Tubing & Connections

| Size                   | Tubing No. | Max. Working Pressure (psi) |               | Connection Part No. | Connection Description                   | Type |
|------------------------|------------|-----------------------------|---------------|---------------------|--|------|
|                        |            | @ 70 DEG. F.                | @ 150 DEG. F. |                     |  |      |
| 1/8" i.d. x .225" o.d. | 71-226     | 475                         | 190           | PLH-1838-SS         | s.s. 3/8" nps(f) swivel                  | E    |
|                        |            |                             |               | 72-1677             | Brass 1/4" nps(f) swivel                 | E    |
| 3/16" i.d. x 1/4" o.d. | 71-230     | 225                         | 190           | PLH-31638-SS        | s.s. 3/8" nps(f) swivel                  | E    |
|                        |            |                             |               | 72-1729             | Brass 3/8" nps(f) swivel                 | E    |
|                        |            |                             |               | 72-1793             | s.s. 3/8" nps(f) swivel w/ spring guard  | D    |
|                        |            |                             |               | 72-1679             | Brass 1/4" nps(f) swivel                 | E    |
|                        |            |                             |               | 72-1747             | Brass 1/4" nps(f) swivel w. Spring guard | D    |
|                        |            |                             |               | 72-1789             | s.s. 1/4" nps(f) swivel                  | E    |
|                        |            |                             |               | 72-1792             | s.s. 1/4" nps(f) swivel w. Spring guard  | D    |
| 1/4" i.d. x .350" o.d. | 71-227     | 225                         | 190           | 72-1680             | Brass 1/8" npt(m)                        | E    |
|                        |            |                             |               | 72-1681             | Brass 1/4" nps(f) swivel                 | E    |
|                        |            |                             |               | 72-1683             | Brass 3/8" nps(f) swivel                 | E    |
|                        |            |                             |               | 72-1687             | Brass 1/4" nps(f) swivel w/ spring guard | D    |
|                        |            |                             |               | 72-1689             | Brass 3/8" nps(f) swivel w/ spring guard | D    |
|                        |            |                             |               | 72-1799             | s.s. 1/4" nps(f) swivel                  | E    |
|                        |            |                             |               | 72-1800             | s.s. 1/4" nps(f) swivel w/ spring guard  | D    |
|                        |            |                             |               | 72-1801             | s.s. 3/8" nps(f) swivel                  | E    |
|                        |            |                             |               | 72-1802             | s.s. 3/8" nps(f) swivel w/ spring guard  | D    |
| 3/8" i.d. x 1/2" o.d.  | 71-229     | 200                         | 140           | 72-1685             | Brass 3/8" nps(f) swivel                 | E    |
|                        |            |                             |               | 72-1811             | s.s. 1/4" nps(f) swivel                  | E    |
|                        |            |                             |               | 72-1812             | s.s. 3/8" nps(f) swivel                  | E    |



**TYPE D**  
Plated brass or stainless steel



**TYPE E**  
Plated brass or stainless steel

**SEE PAGE 5-16 FOR NYLON TUBE ASSEMBLIES**

E.V.A. = Ethylene Vinyl Acetate    E.P.D.M. = Ethylene Propylene Diene Rubber    s.s. = Stainless steel  
Steel pltd = Steel plated    Brass pltd = Brass plated    n/a = Not available

5

# Hose, Connections & Assemblies

## Tubing & Connections

### Polyethylene Tubing & Connections

| Size                   | Tubing No.                      | Max. Working Pressure (psi) | Connection Part No. | Connection Description                              | Type    |
|------------------------|---------------------------------|-----------------------------|---------------------|---|---------|
| .175" i.d. x 1/4" o.d. | H-2339                          | 125                         | P-HC-4728           | Brass-alum-steel 1/4" nps(f) swivel                 | E       |
|                        |                                 |                             | P-HC-4221           | Brass-alum-steel 1/4" nps(f) swivel w/ spring guard | D       |
|                        |                                 |                             | 237-247             | Brass elbow 1/4" npt(m)                             | Push-in |
|                        |                                 |                             | 237-250             | Brass elbow 1/8" npt(m)                             | Push-in |
|                        |                                 |                             | 107-1636            | s.s. elbow 1/4" npt(m)                              | E       |
| 1/4" i.d. x 3/8" o.d.  | H-2338                          | 125                         | 72-1579             | Brass 1/4" nps(f) swivel                            | E       |
|                        |                                 |                             | 72-1581             | Brass 3/8" nps(f) swivel                            | E       |
|                        |                                 |                             | 72-1583             | Brass 1/4" nps(f) swivel w/ spring guard            | D       |
|                        |                                 |                             | 72-1585             | Brass 3/8" nps(f) swivel w/ spring guard            | D       |
|                        |                                 |                             | 72-1839             | s.s. 3/8" nps(f) swivel                             | E       |
|                        |                                 |                             | 72-1968             | s.s. 1/4" nps(f) swivel                             | E       |
|                        |                                 |                             | 72-1983             | s.s. 1/4" nps(f) swivel w/ spring guard             | D       |
|                        |                                 |                             | 72-2060             | s.s. 3/8" nps(f) swivel w/ spring guard             | D       |
|                        |                                 |                             | 54-4976             | Push-lok 1/4" nps(f)*                               | E       |
|                        |                                 |                             | 54-4975             | Push-lok 1/8" npt(m)*                               | E       |
| 237-902                | Polypropylene Elbow 1/4" npt(m) | E                           |                     |   |         |

### E.V.A. Tubing & Connections

| Size                     | Tubing No. | Max. Working Pressure (psi) | Connection Part No.               | Connection Description                     | Type |
|--------------------------|------------|-----------------------------|-----------------------------------|--|------|
| 1/8" i.d. x 5/16" o.d.   | 71-201     | 100                         | 102-3031                          | 316 s.s. 1/4" (f) swivel w/spring guard    | D    |
| 5/16" i.d. X 17/32" o.d. | 71-508     | 250                         | 72-1646                           | 416 s.s. 1/4" nps(f) swivel w/spring guard | D    |
| 3/8" i.d. x 19/32" o.d.  | 71-509     | 250                         | 102-3033 connection & 72-1367 nut | 316 s.s. 3/8" nps(f)                       | E    |



**TYPE D**  
Plated brass or stainless steel



**TYPE E**  
Plated brass or stainless steel

**SEE PAGE 5-21 FOR E.V.A. HOSE ASSEMBLIES**

E.V.A. = Ethylene Vinyl Acetate    E.P.D.M. = Ethylene Propylene Diene Rubber    s.s. = Stainless steel  
Steel pltd = Steel plated    Brass pltd = Brass plated    n/a = Not available

# Hose, Connections & Assemblies

## Tubing & Connections

### PTFE Tubing & Connections

| Size                    | Tubing No.                             | Max. Working Pressure (psi) | Connection Part No. | Connection Description                  | Type    |
|-------------------------|--|-----------------------------|---------------------|---|---------|
| 1/8" i.d. x 1/4" o.d.   | 71-248                                 | 140                         | 237-250             | Brass elbow 1/8"npt(m)                  | Push-in |
|                         |  |                             | 237-247             | Brass elbow 1/4"npt(m)                  | Push-in |
|                         |  |                             | 72-1944             | Brass 1/4"nps(f) swivel                 | E       |
|                         |  |                             | 107-1636            | s.s. elbow 1/4"npt(m)                   | E       |
|                         |  |                             | 72-1945             | s.s. 3/8"nps(f) swivel                  | E       |
| 3/16" i.d. x 5/16" o.d. | 71-209                                 | 140                         | 72-1577             | Brass 1/4"nps(f) swivel                 | E       |
|                         |  |                             | 72-1730             | Brass 3/8"nps(f) swivel                 | E       |
| 1/4" i.d. x 3/8" o.d.   | 71-204                                 | 140                         | 54-4975             | Push-lok 1/8" npt(m)*                   | E       |
|                         |  |                             | 72-1579             | Brass 1/4"nps(f) swivel                 | E       |
|                         |  |                             | 72-1583             | Brass 1/4"nps(f) swivel w/ spring guard | D       |
|                         |  |                             | 54-4976             | Push-lok 1/4" nps(f)*                   | E       |
|                         |  |                             | 72-1968             | s.s. 1/4"nps(f) swivel                  | E       |
|                         |  |                             | 72-1983             | s.s. 1/4"nps(f) swivel w/ spring guard  | D       |
|                         |  |                             | 72-1581             | Brass 3/8"nps(f) swivel                 | E       |
|                         |  |                             | 72-1585             | Brass 3/8"nps(f) swivel w/ spring guard | D       |
|                         |  |                             | 72-1839             | s.s. 3/8"nps(f) swivel                  | E       |
| 72-2060                 | s.s. 3/8"nps(f) swivel w/ spring guard | D                           |                     |   |         |
| *plastic & plated steel |  |                             |                     |   |         |
| 3/8" i.d. x 1/2" o.d.   | 71-207                                 | 140                         | 237-902             | Polypropylene elbow 1/4"npt(m)          | E       |
|                         |  |                             | 72-1811             | s.s. 1/4"nps(f) swivel                  | E       |
|                         |  |                             | 72-1685             | Brass 3/8"nps(f) swivel                 | E       |
|                         |  |                             | 72-1812             | s.s. 3/8"nps(f) swivel                  | E       |

### Polyurethane Tubing & Connections

| Size                  | Tubing No.                             | Max. Working Pressure (psi) | Connection Part No. | Connection Description                  | Type |
|-----------------------|--|-----------------------------|---------------------|---|------|
| 1/4" i.d. x 3/8" o.d. | 54-4987                                | 100 (Red)                   | 54-4975             | Push-lok 1/8"npt(m)*                    | —    |
|                       |  |                             | 54-4976             | Push-lok 1/4"nps(f)*                    | —    |
|                       |  |                             | 72-1579             | Brass 1/4"nps(f) swivel                 | E    |
|                       |  |                             | 72-1583             | Brass 1/4"nps(f) swivel w/ spring guard | D    |
|                       |  |                             | 72-1968             | s.s. 1/4"nps(f) swivel                  | E    |
|                       |  |                             | 72-1983             | s.s. 1/4"nps(f) swivel w/ spring guard  | D    |
|                       |  |                             | 72-1581             | Brass 3/8"nps(f) swivel                 | E    |
|                       |  |                             | 72-1585             | Brass 3/8"nps(f) swivel w/ spring guard | D    |
|                       |  |                             | 72-1839             | s.s. 3/8"nps(f) swivel                  | E    |
| 72-2060               | s.s. 3/8"nps(f) swivel w/ spring guard | D                           |                     |   |      |

\*plastic & plated steel



**TYPE D**  
Plated brass or stainless steel



**TYPE E**  
Plated brass or stainless steel

**SEE PAGE 5-13 FOR  
POLYURETHANE TUBE  
ASSEMBLIES**

E.V.A. = Ethylene Vinyl Acetate    E.P.D.M. = Ethylene Propylene Diene Rubber    s.s. = Stainless steel  
Steel pltd = Steel plated    Brass pltd = Brass plated    n/a = Not available

# Hose, Connections & Assemblies

## Air Hose Assemblies

### Premium Air Hose Assemblies (Low Pressure)

| Part Number | Bulk Hose No. | Size                             | Max. Working Pressure | Tube Material | Connection Part No. | Threads     | Connection Material |
|-------------|---------------|----------------------------------|-----------------------|---------------|---------------------|-------------|---------------------|
| 71-1101     | 71-10000      | 1/4" i.d. x 1/2" o.d. x 5 ft.    | 250 psi               | E.P.D.M.      | 72-1303             | 1/4" nps(f) | Brass pltd          |
| 71-1105     | 71-10000      | 1/4" i.d. x 1/2" o.d. x 25 ft.   | 250 psi               | E.P.D.M.      | 72-1303             | 1/4" nps(f) | Brass pltd          |
| 71-1106     | 71-10000      | 1/4" i.d. x 1/2" o.d. x 50 ft.   | 250 psi               | E.P.D.M.      | 72-1303             | 1/4" nps(f) | Brass pltd          |
| 71-1201     | 71-11000      | 5/16" i.d. x 5/8" o.d. x 5 ft.   | 250 psi               | E.P.D.M.      | 72-1317             | 1/4" nps(f) | Brass pltd          |
| 71-1203     | 71-11000      | 5/16" i.d. x 5/8" o.d. x 15 ft.  | 250 psi               | E.P.D.M.      | 72-1317             | 1/4" nps(f) | Brass pltd          |
| 71-1205     | 71-11000      | 5/16" i.d. x 5/8" o.d. x 25 ft.  | 250 psi               | E.P.D.M.      | 72-1317             | 1/4" nps(f) | Brass pltd          |
| 71-1206     | 71-11000      | 5/16" i.d. x 5/8" o.d. x 50 ft.  | 250 psi               | E.P.D.M.      | 72-1317             | 1/4" nps(f) | Brass pltd          |
| 71-1209     | 71-11000      | 5/16" i.d. x 5/8" o.d. x 6 ft.   | 250 psi               | E.P.D.M.      | 72-1317             | 1/4" nps(f) | Brass pltd          |
| 71-1355     | 71-12000      | 3/8" i.d. x 11/16" o.d. x 25 ft. | 250 psi               | E.P.D.M.      | 72-1325             | 1/4" nps(f) | Brass pltd          |
| 71-1356     | 71-12000      | 3/8" i.d. x 11/16" o.d. x 50 ft. | 250 psi               | E.P.D.M.      | 72-1325             | 1/4" nps(f) | Brass pltd          |

### Air Hose Assemblies (Grounded with Static Wire)

| Part Number | Bulk Hose No. | Size                            | Max. Working Pressure | Tube Material | Connection Part No. | Threads     | Connection Material |
|-------------|---------------|---------------------------------|-----------------------|---------------|---------------------|-------------|---------------------|
| 71-2803     | 71-20000      | 5/16" i.d. x 5/8" o.d. x 25 ft. | 250 psi               | E.P.D.M.      | 72-1317             | 1/4" nps(f) | Brass pltd          |
| 71-2810     | 71-20000      | 5/16" i.d. x 5/8" o.d. x 35 ft. | 250 psi               | E.P.D.M.      | 72-1317             | 1/4" nps(f) | Brass pltd          |
| 71-2804     | 71-20000      | 5/16" i.d. x 5/8" o.d. x 50 ft. | 250 psi               | E.P.D.M.      | 72-1317             | 1/4" nps(f) | Brass pltd          |

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 Steel pltd = Steel plated    Brass pltd = Brass plated    n/a = Not available

# Hose, Connections & Assemblies

## Air Hose Assemblies

### Ergoflex Air Hose Assemblies

| Part Number | Bulk Hose No. | Size                           | Max. Working Pressure | Tube Material | Connection Part No. | Threads    | Connection Material |
|-------------|---------------|--------------------------------|-----------------------|---------------|---------------------|------------|---------------------|
| 71-31101    | 71-31000      | .390 i.d. x .650 o.d. x 25 ft. | 200 psi               | E.P.D.M.      | 72-2008             | 1/4"nps(f) | Brass pltd          |
| 71-31103    | 71-31000      | .390 i.d. x .650 o.d. x 6 ft.  | 200 psi               | E.P.D.M.      | 72-2008             | 1/4"nps(f) | Brass pltd          |
| 71-31104    | 71-31000      | .390 i.d. x .650 o.d. x 35 ft. | 200 psi               | E.P.D.M.      | 72-2028             | 1/4"nps(f) | Brass pltd          |

### 1/4" I.D. Air Tubing Assemblies (Low Pressure – Air Assist Supply)

| Part Number | Bulk Hose No. | Size                           | Max. Working Pressure | Tube Material      | Connection Part No.           | Threads    | Connection Material |
|-------------|---------------|--------------------------------|-----------------------|--------------------|-------------------------------|------------|---------------------|
| 54-4989     | 54-4987       | 1/4" i.d. x 3/8" o.d. x 25 ft. | 100 psi               | Polyurethane (red) | none                          | n/a        | n/a                 |
| 71-4800     | 54-4987       | 1/4" i.d. x 3/8" o.d. x 35 ft. | 100 psi               | Polyurethane (red) | none                          | n/a        | n/a                 |
| 71-4801     | 54-4987       | 1/4" i.d. x 3/8" o.d. x 50 ft. | 100 psi               | Polyurethane (red) | none                          | n/a        | n/a                 |
| 71-4803     | 54-4987       | 1/4" i.d. x 3/8" o.d. x 28 ft. | 100 psi               | Polyurethane (red) | none                          | n/a        | n/a                 |
| 71-4991     | 54-4987       | 1/4" i.d. x 3/8" o.d. x 25 ft. | 100 psi               | Polyurethane (red) | 1 ea 54-4976 Tubing connector | 1/4"nps(f) | Brass pltd          |
| 71-4804     | 54-4987       | 1/4" i.d. x 3/8" o.d. x 53 ft. | 100 psi               | Polyurethane (red) | none                          | n/a        | n/a                 |

### 1/8" I.D. Air Hose Assemblies (for Wren Airbrush)

| Part Number | Bulk Hose No. | Size                           | Max. Working Pressure | Tube Material | Connection Part No. | Threads                 | Connection Material |
|-------------|---------------|--------------------------------|-----------------------|---------------|---------------------|-------------------------|---------------------|
| 59-61       | 71-113        | 1/8" i.d. x 5/16" o.d. x 6 ft. | 250 psi               | Rubber        | 72-93 x 59-50       | 1/4"nps(f) x 1/4"-40(f) | Brass pltd          |

### Breathable Air Hose Assemblies (For MPV Air Respirator)

| Part Number | Bulk Hose No. | Size                  | Max. Working Pressure | Tube Material | Connection Part No. | Threads        | Connection Material |
|-------------|---------------|-----------------------|-----------------------|---------------|---------------------|----------------|---------------------|
| MPV-457     | n/a           | (see note)            | n/a                   | n/a           | n/a                 | n/a            | n/a                 |
| MPV-530     | n/a           | 5/16" i.d. (see note) | 250 psi               | Rubber        | n/a                 | male stem / QD | Steel pltd          |
| MPV-550     | n/a           | 5/16" i.d. (see note) | 250 psi               | Rubber        | n/a                 | male stem / QD | Steel pltd          |

Note: These MPV hose assemblies are used with the MPV-625 Air Supplied Respirator only, and are NIOSH approved. Alternate hoses must not be substituted. Otherwise, NIOSH approval will be void, and an unsafe condition may result.

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 Steel pltd = Steel plated    Brass pltd = Brass plated    n/a = Not available

# Hose, Connections & Assemblies

## Fluid Hose Assemblies

### Fluidall™ Hose Assemblies (Low Pressure)

| Part Number | Bulk Hose No. | Size                             | Max. Working Pressure | Tube Material | Connection Part No. | Threads     | Connection Material |
|-------------|---------------|----------------------------------|-----------------------|---------------|---------------------|-------------|---------------------|
| 71-3260     | 71-280        | 1/4" i.d. x 1/2" o.d. x 5 ft.    | 500 psi               | Nylon         | 72-1303             | 1/4" nps(f) | Brass pltd          |
| 71-3279     | 71-280        | 1/4" i.d. x 1/2" o.d. x 9"       | 500 psi               | Nylon         | 72-1303             | 1/4" nps(f) | Brass pltd          |
| 71-3380     | 71-280        | 1/4" i.d. x 1/2" o.d. x 5 ft.    | 500 psi               | Nylon         | 72-1306             | 3/8" nps(f) | Brass pltd          |
| 71-3383     | 71-280        | 1/4" i.d. x 1/2" o.d. x 25 ft.   | 500 psi               | Nylon         | 72-1306             | 3/8" nps(f) | Brass pltd          |
| 71-3384     | 71-280        | 1/4" i.d. x 1/2" o.d. x 50 ft.   | 500 psi               | Nylon         | 72-1306             | 3/8" nps(f) | Brass pltd          |
| 71-3390     | 71-280        | 1/4" i.d. x 1/2" o.d. x 35 ft.   | 500 psi               | Nylon         | 72-1306             | 3/8" nps(f) | Brass pltd          |
| 71-3663     | 71-280        | 1/4" i.d. x 1/2" o.d. x 25 ft.   | 500 psi               | Nylon         | 72-2143             | 3/8" nps(f) | s.s.                |
| 71-3300     | 71-282        | 3/8" i.d. x 11/16" o.d. x 5 ft.  | 500 psi               | Nylon         | 72-1328             | 3/8" nps(f) | Brass pltd          |
| 71-3303     | 71-282        | 3/8" i.d. x 11/16" o.d. x 25 ft. | 500 psi               | Nylon         | 72-1328             | 3/8" nps(f) | Brass pltd          |
| 71-3304     | 71-282        | 3/8" i.d. x 11/16" o.d. x 50 ft. | 500 psi               | Nylon         | 72-1328             | 3/8" nps(f) | Brass pltd          |
| 71-3313     | 71-282        | 3/8" i.d. x 11/16" o.d. x 17"    | 500 psi               | Nylon         | 72-1328             | 3/8" nps(f) | Brass pltd          |
| 71-3400     | 71-283        | 1/2" i.d. x 7/8" o.d. x 5 ft.    | 750 psi               | Nylon         | 72-1334             | 1/2" nps(f) | Brass pltd          |
| 71-3403     | 71-283        | 1/2" i.d. x 7/8" o.d. x 25 ft.   | 750 psi               | Nylon         | 72-1334             | 1/2" nps(f) | Brass pltd          |
| 71-3404     | 71-283        | 1/2" i.d. x 7/8" o.d. x 50 ft.   | 750 psi               | Nylon         | 72-1334             | 1/2" nps(f) | Brass pltd          |
| 71-3361     | 71-285        | 1" i.d. x 1 1/2" o.d. x 10 ft.   | 750 psi               | Nylon         | 72-1936             | 1" nps(f)   | Brass pltd          |

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# Hose, Connections & Assemblies

## Fluid Hose Assemblies

### Hose Assembly Sets (Air & Fluid)

| Part Number | Bulk Hose No. | Size  | Max. Working Pressure | Tube Material | Connection Part No. | Threads           | Connection Material |
|-------------|---------------|---|-----------------------|---------------|---------------------|-------------------|---------------------|
| 6-438       | 71-11000      | 5/16" i.d. x 5/8" o.d. x 25 ft. (air)<br>71-1205    | 250 psi               | Rubber        | 72-1317             | 1/4" nps(f) air   | Brass pltd          |
|             | 71-282        | 3/8" i.d. x 11/16" o.d. x 25 ft. (fluid)<br>71-3303 | 500 psi               | Nylon         | 72-1328             | 3/8" nps(f) fluid | Brass pltd          |
| KB-4006     | 71-11000      | 5/16" i.d. x 5/8" o.d. x 5 ft. 9 in. (air)          | 250 psi               | Rubber        | 72-1317             | 1/4" nps(f) air   | Brass pltd          |
|             | 71-280        | 1/4" i.d. x 1/2" o.d. x 6 ft. 3 in. (fluid)         | 500 psi               | Nylon         | 72-1306             | 3/8" nps(f) fluid | Brass pltd          |

### Siphon Fluid Hose Assemblies

| Part Number | Bulk Hose No. | Size                             | Max. Working Pressure | Tube Material | Connection Part No.                     | Threads               | Connection Material |
|-------------|---------------|----------------------------------|-----------------------|---------------|---|-----------------------|---------------------|
| 41-11211    | 71-284        | 3/4" i.d. x 1-3/16" o.d. x 5 ft. | 750 psi               | Nylon         | 72-1935                                 | 3/4" nps(f)           | Steel pltd          |
| 41-11216    | 71-284        | 3/4" i.d. x 1-3/16" o.d. x 8 ft. | 750 psi               | Nylon         | 72-1935                                 | 3/4" nps(f)           | Steel pltd          |
| 41-11210    | 71-285        | 1" i.d. x 1-1/2" o.d. x 8 ft.    | 750 psi               | Nylon         | 72-1936                                 | 1" nps(f)             | Steel pltd          |
| 41-11212    | 71-285        | 1" i.d. x 1-1/2" o.d. x 5 ft.    | 750 psi               | Nylon         | 72-1936                                 | 1" nps(f)             | Steel pltd          |
| 44-1641     | 71-285        | 1" i.d. x 1-1/2" o.d. x 7 ft.    | 750 psi               | Nylon         | (2) 72-2329,<br>72-2330, 72-415         | (2) 1" nps(f)         | s.s.                |
| 103-1313    | 71-285        | 1" i.d. x 1 1/2" o.d. x 8 ft.    | 750 psi               | Nylon         | 72-1936 plus<br>72-2334 spring<br>guard | 1" npt(f)             | Steel pltd          |
| 103-1349    | 71-285        | 1" i.d. x 1 1/2" o.d. x 8 ft.    | 750 psi               | Nylon         | 72-1936 plus<br>72-2334                 | 1" npt(f) x 1" npt(f) | Steel pltd          |
| 103-1350    | 71-285        | 1" i.d. x 1 1/2" o.d. x 5 ft.    | 750 psi               | Nylon         | 72-1936 plus<br>72-2334 spring<br>guard | 1" npt(f) x 1" npt(f) | Steel pltd          |
| 103-2029    | 71-285        | 1" i.d. x 1 1/2" o.d. x 8 ft.    | 750 psi               | Nylon         | 72-1981                                 | 1" nps(m) x 1" npt(m) | Steel pltd          |

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Steel pltd = Steel plated    Brass pltd = Brass plated    n/a = Not available

# Hose, Connections & Assemblies

## Fluid Hose Assemblies

### Nylon Tube Assemblies

| Part Number | Bulk Hose No. | Size                            | Max. Working Pressure | Tube Material | Connection Part No. | Threads                   | Connection Material   |
|-------------|---------------|---------------------------------|-----------------------|---------------|---------------------|---------------------------|-----------------------|
| 71-7686     | 71-230        | 3/16" i.d. x .264 o.d. x 15 ft. | 225 psi               | Nylon         | 72-1792,<br>72-1793 | 1/4" nps(f) x 3/8" nps(f) | w/ Spring guards      |
| 71-7687     | 71-230        | 3/16" i.d. x .264 o.d. x 25 ft. | 225 psi               | Nylon         | 72-1793,<br>72-1792 | 1/4" nps(f) x 3/8" nps(f) | 303 s.s.              |
| 71-7797     | 71-229        | 3/8" i.d. x 1/2" o.d. x 15 ft.  | 200 psi               | Nylon         | 72-1812             | 3/8" nps(f)               | s.s.                  |
| 71-7778     | 71-229        | 3/8" i.d. x 1/2" o.d. x 25 ft.  | 200 psi               | Nylon         | 72-1812             | 3/8" nps(f)               | s.s.                  |
| 71-7357     | 71-227        | 1/4" i.d. x .350" o.d. x 25 ft. | 200 psi               | Nylon         | 72-1802             | 3/8" nps(f)               | s.s. w/ Spring guards |

### Fluid Hose Drains (Low Pressure) (connection one end)

| Part Number | Bulk Hose No. | Size                          | Max. Working Pressure | Tube Material | Connection Part No. | Threads     | Connection Material |
|-------------|---------------|-------------------------------|-----------------------|---------------|---------------------|-------------|---------------------|
| 71-7328     | 71-227        | 1/4" i.d. x .350 o.d. x 23"   | 225 psi               | Nylon         | 72-63, 72-93        | 1/4" nps(f) | Brass pltd          |
| 71-7332     | 71-227        | 1/4" i.d. x .350 o.d. x 3 ft. | 225 psi               | Nylon         | 72-63, 72-93        | 1/4" nps(f) | Brass pltd          |

### Contractor Quality Airless Paint Hose (Conductive – No Wire)

| Part Number | Bulk Hose No. | Size               | Max. Working Pressure | Tube Material | Connection Part No. | Threads     | Connection Material |
|-------------|---------------|--------------------|-----------------------|---------------|---------------------|-------------|---------------------|
| 71-3530     | n/a           | 1/4" i.d. x 25 ft. | 3300 psi              | Nylon         | n/a                 | 1/4" nps(f) | Steel pltd          |
| 71-3531     | n/a           | 1/4" i.d. x 50 ft. | 3300 psi              | Nylon         | n/a                 | 1/4" nps(f) | Steel pltd          |

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 Steel pltd = Steel plated    Brass pltd = Brass plated    n/a = Not available



# Hose, Connections & Assemblies

## Fluid Hose Assemblies

### Premium Airless Paint Hose (Conductive – No Wire)

| Part Number                    | Bulk Hose No. | Size                | Max. Working Pressure | Tube Material | Connection Part No.        | Threads     | Connection Material |
|--------------------------------|---------------|---------------------|-----------------------|---------------|----------------------------|-------------|---------------------|
| 71-8085                        | n/a           | 3/16" i.d. x 5 ft.  | 3000 psi              | Nylon         | Permanent w/ spring guards | 1/4" nps(f) | Steel pltd          |
| 71-8088                        | n/a           | 3/16" i.d. x 25 ft. | 3000 psi              | Nylon         | Permanent w/ spring guards | 1/4" nps(f) | Steel pltd          |
| 71-8089                        | n/a           | 3/16" i.d. x 50 ft. | 3000 psi              | Nylon         | Permanent w/ spring guards | 1/4" nps(f) | Steel pltd          |
| 71-7703                        | n/a           | 1/4" i.d. x 15 ft.  | 3000 psi              | Nylon         | Permanent w/ spring guards | 1/4" nps(f) | Steel pltd          |
| 71-7704<br>(OBS – use 71-4830) | n/a           | 1/4" i.d. x 25 ft.  | 3000 psi              | Nylon         | Permanent w/ spring guards | 1/4" nps(f) | Steel pltd          |
| 71-7705                        | n/a           | 1/4" i.d. x 50 ft.  | 3000 psi              | Nylon         | Permanent w/ spring guards | 1/4" nps(f) | Steel pltd          |
| 71-7708                        | n/a           | 1/4" i.d. x 5 ft.   | 3000 psi              | Nylon         | Permanent w/ spring guards | 1/4" nps(f) | Steel pltd          |
| 71-7709                        | n/a           | 1/4" i.d. x 10 ft.  | 3000 psi              | Nylon         | Permanent w/ spring guards | 1/4" nps(f) | Steel pltd          |
| 71-7504                        | n/a           | 5/16" i.d. x 25 ft. | 3000 psi              | Nylon         | Permanent w/ spring guards | 1/4" nps(f) | Steel pltd          |
| 71-7505                        | n/a           | 5/16" i.d. x 50 ft. | 3000 psi              | Nylon         | Permanent w/ spring guards | 1/4" nps(f) | Steel pltd          |
| 71-7508                        | n/a           | 5/16" i.d. x 35 ft. | 3000 psi              | Nylon         | Permanent w/ spring guards | 1/4" nps(f) | Steel pltd          |
| 71-8421                        | n/a           | 3/8" i.d. x 5 ft.   | 3000 psi              | Nylon         | Permanent w/ spring guards | 3/8" nps(f) | Steel pltd          |
| 71-8424                        | n/a           | 3/8" i.d. x 25 ft.  | 3000 psi              | Nylon         | Permanent w/ spring guards | 3/8" nps(f) | Steel pltd          |
| 71-8425                        | n/a           | 3/8" i.d. x 50 ft.  | 3000 psi              | Nylon         | Permanent w/ spring guards | 3/8" nps(f) | Steel pltd          |

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 Steel pltd = Steel plated    Brass pltd = Brass plated    n/a = Not available

# Hose, Connections & Assemblies

## Fluid Hose Assemblies

### **PIT BULL™ Airless Paint Hose (Conductive)**

| Part Number | Bulk Hose No. | Size               | Max. Working Pressure | Tube Material  | Connection Type            | Threads     | Connection Material |
|-------------|---------------|--------------------|-----------------------|----------------|----------------------------|-------------|---------------------|
| 71-4830     | n/a           | 1/4" i.d. x 25 ft. | 4000 psi              | Nylon (Yellow) | Permanent w/ spring guards | 1/4" nps(f) | Steel pltd          |
| 71-4831     | n/a           | 1/4" i.d. x 50 ft. | 4000 psi              | Nylon (Yellow) | Permanent w/ spring guards | 1/4" nps(f) | Steel pltd          |
| 71-4840     | n/a           | 1/4" i.d. x 25 ft. | 10,000 psi            | Nylon (Yellow) | Permanent w/ spring guards | 1/4" nps(f) | Steel pltd          |
| 71-4841     | n/a           | 1/4" i.d. x 50 ft. | 10,000 psi            | Nylon (Yellow) | Permanent w/ spring guards | 1/4" nps(f) | Steel pltd          |
| 71-4850     | n/a           | 3/8" i.d. x 25 ft. | 3500 psi              | Nylon (Yellow) | Permanent w/ spring guards | 3/8" nps(f) | Steel pltd          |
| 71-4851     | n/a           | 3/8" i.d. x 50 ft. | 3500 psi              | Nylon (Yellow) | Permanent w/ spring guards | 3/8" nps(f) | Steel pltd          |
| 71-4860     | n/a           | 3/8" i.d. x 25 ft. | 8000 psi              | Nylon (Yellow) | Permanent w/ spring guards | 3/8" nps(f) | Steel pltd          |
| 71-4861     | n/a           | 3/8" i.d. x 50 ft. | 8000 psi              | Nylon (Yellow) | Permanent w/ spring guards | 3/8" nps(f) | Steel pltd          |

### **PIT BULL™ Whip-End Fluid Hose Assemblies**

| Part Number | Bulk Hose No. | Size              | Max. Working Pressure | Tube Material  | Connection Type            | Threads                   | Connection Material |
|-------------|---------------|-------------------|-----------------------|----------------|----------------------------|---------------------------|---------------------|
| 71-4870     | n/a           | 1/4" i.d. x 3 ft. | 10,000 psi            | Nylon (Yellow) | Permanent w/ spring guards | 3/8" nps(m) x 1/4" nps(f) | Steel pltd          |
| 71-4871     | n/a           | 1/4" i.d. x 3 ft. | 10,000 psi            | Nylon (Yellow) | Permanent w/ spring guards | 1/4" nps(m) x 1/4" nps(f) | Steel pltd          |

### Whip-End Fluid Hose Assemblies

| Part Number | Bulk Hose No. | Size              | Max. Working Pressure | Tube Material | Connection Type            | Threads                   | Connection Material |
|-------------|---------------|-------------------|-----------------------|---------------|----------------------------|---------------------------|---------------------|
| 71-8360     | n/a           | 3/16" i.d. x 30"  | 3000 psi              | Nylon         | Permanent w/ spring guards | 1/4" nps(f) x 1/4" nps(m) | Steel pltd          |
| 71-6844     | n/a           | 1/8" i.d. x 3 ft. | 5000 psi              | Nylon         | Permanent w/ spring guards | 1/4" nps(f) x 1/4" nps(m) | Steel pltd          |

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# Hose, Connections & Assemblies

## Fluid Hose Assemblies

### Air-assist Airless Fluid Hose Assemblies

| Part Number | Bulk Hose No. | Size                | Max. Working Pressure | Tube Material  | Connection Type             | Threads     | Connection Material |
|-------------|---------------|---------------------|-----------------------|----------------|-----------------------------|-------------|---------------------|
| 71-4992     | n/a           | 1/8" i.d. x 15 ft.  | 4000 psi              | Nylon (Yellow) | Permanent w/o spring guards | 1/4" npt(f) | s.s.                |
| 71-4993     | n/a           | 1/8" i.d. x 25 ft.  | 5000 psi              | Nylon (Yellow) | Permanent w/o spring guards | 1/4" nps(f) | s.s.                |
| 71-4995     | n/a           | 3/16" i.d. x 25 ft. | 1900 psi              | Nylon (Blue)   | Permanent w/o spring guards | 1/4" nps(f) | s.s.                |

### Air Hose Assemblies (Low Pressure – FRP)

| Part Number | Bulk Hose No. | Size                            | Max. Working Pressure | Tube Material | Connection Part No. | Threads                 | Connection Material |
|-------------|---------------|---------------------------------|-----------------------|---------------|---------------------|-------------------------|---------------------|
| 207-10752-1 | 237-505       | 1/4" i.d. x 1/2" o.d. x 14"     | 250 psi               | E.V.A.        | Permanent           | 1/4" nps(f)x1/4" npt(m) | Brass               |
| 207-10752-2 | 237-505       | 1/4" i.d. x 1/2" o.d. x 20"     | 250 psi               | E.V.A.        | Permanent           | 1/4" nps(f)x1/4" npt(m) | Brass               |
| 207-11512-3 | 71-227        | 1/4" i.d. x .350 o.d. x 25 ft.  | 225 psi               | Nylon         | 72-1687             | 1/4" nps(f)             | Brass pltd          |
| 207-11512-8 | 71-227        | 1/4" i.d. x .350 o.d. x 50 ft.  | 225 psi               | Nylon         | 72-1687             | 1/4" nps(f)             | Brass pltd          |
| 207-10770-8 | 71-11000      | 5/16" i.d. x 5/8" o.d. x 50 ft. | 250 psi               | EPDM          | 72-1317             | 1/4" nps(f)             | Brass pltd          |

### Fluid Hose Assemblies (Low Pressure)

| Part Number | Bulk Hose No. | Size                  | Max. Working Pressure | Tube Material | Connection Part No. | Threads               | Connection Material |
|-------------|---------------|-----------------------|-----------------------|---------------|---------------------|-----------------------|---------------------|
| 207-10941-5 | 4282          | 1/2" i.d. x 50 ft.    | 2000 psi              | Nylon         | n/a                 | 3/4" - 16 J.I.C. sw.  | Steel pltd          |
| 207-10941-8 | 4282          | 1/2" i.d. x 30"       | 2000 psi              | Nylon         | n/a                 | 3/4" - 16 J.I.C. sw.  | Steel pltd          |
| 207-12269-2 | 71-283        | 1/2" i.d. x 7/8" o.d. | 750 psi               | Nylon         | n/a                 | 3/4" - 16 J.I.C. sw.  | Steel pltd          |
| 207-12269-5 | 71-283        | 1/2" i.d. x 7/8" o.d. | 750 psi               | Nylon         | n/a                 | 3/4" - 16 J.I.C. sw.  | Steel pltd          |
| 207-10946-1 | 71-284        | 3/4" i.d. x 6 ft.     | 750 psi               | Nylon         | 4358                | 1 1/16"-12 J.I.C. sw. | Steel pltd          |

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# Hose, Connections & Assemblies

## FRP Hose Assemblies

### Misc. Air/Fluid Hose Assemblies (FRP)

| Part Number | Bulk Hose No. | Size                          | Max. Working Pressure | Tube Material | Connection Part No.   | Threads                   | Connection Material | Type      |
|-------------|---------------|-------------------------------|-----------------------|---------------|-----------------------|---------------------------|---------------------|-----------|
| 207-10910-6 | n/a           | 1/2" i.d. x 13/16" o.d. x 18" | 200 psi               | n/a           | n/a                   | 1/2" npt(m)               | Brass pltd          | Air       |
| 207-11016-2 | 71-280        | 1/4" i.d. x 20"               | 500 psi               | Nylon         | KF04-04RV x KF04-04PS | 1/4" nps(f) x 1/4" npt(m) | Brass pltd          | Air/fluid |

### 1/4" I.D. Fluid Hose Assemblies (High Pressure Airless, Wireless)

| Part Number  | Bulk Hose No. | Size               | Max. Working Pressure | Tube Material | Connection Part No. | Threads               | Connection Material |
|--------------|---------------|--------------------|-----------------------|---------------|---------------------|-----------------------|---------------------|
| 207-10769-1  | n/a           | 1/4" i.d. x 5 ft.  | 3000 psi              | Nylon         | Permanent           | 9/16" - 18 J.I.C. sw. | n/a                 |
| 207-10769-11 | n/a           | 1/4" i.d. x 9 1/2" | 3000 psi              | Nylon         | Permanent           | 9/16" - 18 J.I.C. sw. | n/a                 |
| 207-10769-5  | n/a           | 1/4" i.d. x 35 ft. | 3000 psi              | Nylon         | Permanent           | 9/16" - 18 J.I.C. sw. | n/a                 |

# Hose, Connections & Assemblies

## Catalyst Hose Assemblies (FRP)

### Recommended Use

For acid and peroxidized catalyst and other aqueous (water) solutions. Also recommended for use as a light weight, low pressure air hose. May be used for buffing compounds and concrete resurfacing materials.

### Tube

EVA

### Reinforcement

Single open braid, reyon/nylon

### Cover

EVA – blue

### Connections

Reuseable, stainless steel tailpiece and swivel, aluminum nut.

| SIZES AVAILABLE |       | BULK HOSE NO. | MAXIMUM WORKING PRESSURE (psi) | NO. OF BRAIDS | APPROX. SHIPPING WEIGHT BASED ON FEET PER REEL | HOSE WEIGHT PER 100 FEET | CONNECTION               |                                      |
|-----------------|-------|---------------|--------------------------------|---------------|--|--------------------------|--------------------------|--------------------------------------|
| i.d.            | o.d.  |               |                                |               |  |                          | THREAD                   | PART NO.                             |
| 1/8             | 5/16  | 71-201        | 100                            | 1             | 16   | 3.2                      | 1/4"nps(f)               | 102-3031 SS316 ●                     |
| 5/16            | 17/32 | 71-508        | 250                            | 1             | 33.5   | 6.7                      | 1/4"nps(f)<br>3/8"nps(f) | 72-1646 SS416 ●<br>207-10383 SS416 ● |
| 3/8             | 19/32 | 71-509        | 250                            | 1             | 37.5   | 7.5                      | 3/8"nps(f)               | 102-3040 s.s. 316                    |

● These assemblies have connections with spring guards

## Catalyst Hose Assemblies (Low Pressure)

| Part Number | Bulk Hose No. | Size                              | Max. Working Pressure | Tube Material | Connection Part No.  | Threads         | Connection Material |
|-------------|---------------|-----------------------------------|-----------------------|---------------|----------------------|-----------------|---------------------|
| 102-3028    | 71-201        | 1/8" i.d. x 5/16" o.d. x 25 ft.   | 100 psi               | E.V.A. (Blue) | 102-3031             | 1/4" nps(f) sw. | 316 s.s.            |
| 102-3029    | 71-201        | 1/8" i.d. x 5/16" o.d. x 35 ft.   | 100 psi               | E.V.A. (Blue) | 102-3031             | 1/4" nps(f) sw. | 316 s.s.            |
| 102-3030    | 71-201        | 1/8" i.d. x 5/16" o.d. x 50 ft.   | 100 psi               | E.V.A. (Blue) | 102-3031             | 1/4" nps(f) sw. | 316 s.s.            |
| 102-3034    | 71-201        | 1/8" i.d. x 5/16" o.d. x 30"      | 100 psi               | E.V.A. (Blue) | n/a                  | 1/4" nps(f) sw. | 316 s.s.            |
| 102-3036    | 71-201        | 1/8" i.d. x 5/16" o.d. x 3 ft.    | 100 psi               | E.V.A. (Blue) | n/a                  | 1/4" nps(f) sw. | 316 s.s.            |
| 102-3035    | 71-509        | 3/8" i.d. x 19/32" o.d. x 3 ft.   | 250 psi               | E.V.A. (Blue) | 72-1367,<br>102-3033 | 3/8" nps(f) sw. | 316 s.s.            |
| 71-2732     | 71-508        | 5/16" i.d. x 33/64" o.d. x 15 ft. | 250 psi               | E.V.A. (Blue) | 72-1646              | 1/4" nps(f) sw. | 416 s.s.            |
| 71-2734     | 71-508        | 5/16" i.d. x 33/64" o.d. x 25 ft. | 250 psi               | E.V.A. (Blue) | 72-1646              | 1/4" nps(f) sw. | 416 s.s.            |
| 71-2735     | 71-508        | 5/16" i.d. x 33/64" o.d. x 50 ft. | 250 psi               | E.V.A. (Blue) | 72-1646              | 1/4" nps(f) sw. | 416 s.s.            |

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# Hose, Connections & Assemblies

## Catalyst Hose Assemblies (FRP)

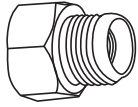
### 3/16" I.D. Fluid Hose Assemblies (High Pressure Catalyst)

| Part Number | Bulk Hose No. | Size                             | Max. Working Pressure | Tube Material      | Connection Part No. | Threads                       | Connection Material |
|-------------|---------------|----------------------------------|-----------------------|--------------------|---------------------|-------------------------------|---------------------|
| 107-1465    | n/a           | 3/16" i.d. x 3/8" o.d. x 50 ft.  | 2500 psi              | PTFE/ s.s. braided | Permanent           | 7/16" - 20 (f) sw. J.I.C. #4  | Steel pltd          |
| 207-12305-3 | n/a           | 3/16" i.d. x 5/16" o.d. x 38"    | 3000 psi              | PTFE/ s.s. braided | Permanent           | 7/16"-20 J.I.C. sw. J.I.C. #4 | s.s.                |
| 207-12305-4 | n/a           | 3/16" i.d. x 5/16" o.d. x 25 ft. | 3000 psi              | PTFE/ s.s. braided | Permanent           | 7/16"-20 J.I.C. sw. J.I.C. #4 | s.s.                |
| 207-12305-6 | n/a           | 3/16" i.d. x 5/16" o.d. x 50 ft. | 3000 psi              | PTFE/ s.s. braided | Permanent           | 7/16"-20 J.I.C. sw. J.I.C. #4 | s.s.                |
| 207-12305-7 | n/a           | 3/16" i.d. x 5/16" o.d. x 35 ft. | 3000 psi              | PTFE/ s.s. braided | Permanent           | 7/16"-20 J.I.C. sw. J.I.C. #4 | s.s.                |
| 207-12305-8 | n/a           | 3/16" i.d. x 5/16" o.d. x 1 ft.  | 3000 psi              | PTFE/ s.s. braided | Permanent           | 7/16"-20 J.I.C. sw. J.I.C. #4 | s.s.                |
| 207-12305-9 | n/a           | 3/16" i.d. x 5/16" o.d. x 17"    | 3000 psi              | PTFE/ s.s. braided | Permanent           | 7/16"-20 J.I.C. sw. J.I.C. #4 | s.s.                |

## Fittings

|                                       |             |
|---------------------------------------|-------------|
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| <b>SWIVEL CONNECTIONS</b>             | <b>6-2</b>  |
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# Fittings



72-54, P-H-4105

## Adapters

| Part Number          | Description | Materials  | Max. Working Pressure | Inlet       | Outlet      |
|----------------------|-------------|------------|-----------------------|-------------|-------------|
| <b>LOW PRESSURE</b>  |             |            |                       |             |             |
| 72-54                | Adapter     | Brass pltd | 250 psi               | 1/4" nps(f) | 3/8" nps(m) |
| P-H-4105             | Adapter     | Brass pltd | 250 psi               | 1/4" nps(f) | 3/8" nps(m) |
| 73-131               | Adapter     | Brass pltd | 250 psi               | 1/4" nps(m) | 1/4" nps(f) |
| 72-55                | Adapter     | Brass pltd | 250 psi               | 1/4" nps(m) | 3/8" nps(f) |
| 20-1753              | Adapter     | Brass pltd | 250 psi               | 1/4" npt(f) | 3/8" npt(m) |
| 73-130               | Adapter     | Brass pltd | 250 psi               | 3/8" nps(m) | 3/8" nps(f) |
| 0115-010235          | Adapter     | s.s.       | 250 psi               | 3/4" nps(m) | 1/2" nps(f) |
| <b>HIGH PRESSURE</b> |             |            |                       |             |             |
| 207-10699            | Adapter     | 303 s.s.   | 3500 psi              | 1/4" nps(m) | 1/4" npt(f) |
| 72-727               | Adapter     | 303 s.s.   | 4000 psi              | 1/8" npt(f) | 1/4" nps(m) |
| 72-731               | Adapter     | Steel pltd | 5000 psi              | 3/8" npt(f) | 1/4" nps(m) |



73-18

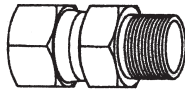
## Swivel Connections (90°)

| Part Number          | Description  | Materials  | Max. Working Pressure | Inlet          | Outlet          |
|----------------------|--|------------|-----------------------|----------------|-----------------|
| <b>LOW PRESSURE</b>  |  |            |                       |                |                 |
| SSP-30-ZN            | 90° swivel   | Steel pltd | 250 psi               | 1/4" npt(m)    | 1/4" nps(f)     |
| 72-989               | Swivel ass'y 90 deg.<br>5, 10 & 15 Gal tanks, single tank outlet | Brass pltd | 250 psi               | 3/8" npt(f)    | 7/8-18 (f)      |
| 73-16                | Swivel connection  | Brass pltd | 250 psi               | 3/8" nps(f)    | 3/8" nps(m)     |
| 73-18                | Elbow swivel 90 deg.   | Brass pltd | 250 psi               | 1/4" nps(m)    | 3/8" nps(f)     |
| <b>HIGH PRESSURE</b> |  |            |                       |                |                 |
| 72-918               | Connection 90 deg.   | Steel      | 4000 psi              | 1/4" npt(f)    | 1/4" nps(f)     |
| 73-24                | Elbow swivel 90 deg.   | 303 s.s.   | 3000 psi              | 3/8" nps(m)    | 3/8" nps(f)     |
| SSP-57-ZN            | 90° Swivel connection  | Steel pltd | 4000 psi              | 3/8" npt(m)    | 3/8" nps(f)     |
| 207-12085            | Reducing Elbow   | s.s.       | 6000 psi              | 1/2" nps(f) sw | #4 J.I.C.(m)    |
| <b>DOUBLE OUTLET</b> |  |            |                       |                |                 |
| 72-994               | Double tank outlet, 60 gal tank                                  | Brass pltd | 200 psi               | 7/8-18" nps(f) | (2) 3/8" npt(f) |

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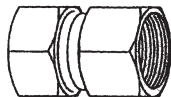
# Fittings



SSP-8217-ZN

## Swivel Adapters (Straight)

| Part Number  | Description    | Materials  | Max. Working Pressure | Inlet            | Outlet           |
|--------------|----------------|------------|-----------------------|------------------|------------------|
| SSP-8217-ZN  | Swivel adapter | Steel pltd | 4000 psi              | 1/4" nps(f)      | 1/4" npt(m)      |
| 103-1238     | Swivel adapter | s.s.       | 4000 psi              | 1/4" npt(m)      | 3/8" nps(f)      |
| 20-4281      | Swivel adapter | Steel pltd | 4000 psi              | 3/8" npt(m)      | 3/8" nps(f)      |
| 20-4284      | Swivel adapter | Steel pltd | 3000 psi              | 3/4" npt(m)      | 3/4" nps(f)      |
| 20-4283      | Swivel adapter | Steel pltd | 3500 psi              | 1/2" npt(m)      | 1/2" nps(f)      |
| PLH-6SN-6TSS | Swivel adapter | s.s.       | 250 psi               | 3/8" nps(m)      | 3/8" nps(f)      |
| 0114-016058  | Swivel adapter | s.s.       | 7250 psi              | 1/4" bspt(m)     | 3/8" BPS(f)      |
| 0115-010324  | Swivel adapter | Steel pltd | 5000 psi              | 3/8" -19 bspt(m) | 3/8" -19 bspp(f) |



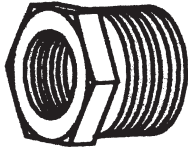
83-1935, 102-2126

## Swivel Unions

| Part Number | Description  | Materials  | Max. Working Pressure | Inlet       | Outlet      |
|-------------|--------------|------------|-----------------------|-------------|-------------|
| 72-1253     | Swivel union | Steel pltd | 4000 psi              | 3/8" npt(f) | 1/4" nps(f) |
| 83-1935     | Swivel union | Steel pltd | 4000 psi              | 1/4" npt(f) | 1/4" nps(f) |
| 102-2126    | Swivel union | 303 s.s.   | 3000 psi              | 1/4" npt(f) | 1/4" nps(f) |

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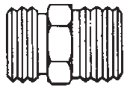
# Fittings



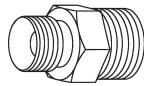
20-3809-1

## Reducing Bushings

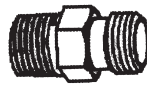
| Part Number          | Description | Materials  | Max. Working Pressure | Male          | Female      |
|----------------------|-------------|------------|-----------------------|---------------|-------------|
| <b>LOW PRESSURE</b>  |             |            |                       |               |             |
| 20-2525              | Bushing     | Galv.      | 250 psi               | 3/4" npt(m)   | 1/2" npt(f) |
| <b>HIGH PRESSURE</b> |             |            |                       |               |             |
| 20-3809-1            | Bushing     | Steel pltd | 4000 psi              | 1/2" npt(m)   | 1/4" npt(f) |
| 20-3815              | Bushing     | 304 s.s.   | 3000 psi              | 1/2" npt(m)   | 3/8" npt(f) |
| 20-3823-1            | Bushing     | Steel pltd | 3000 psi              | 1/2" npt(m)   | 3/8" npt(f) |
| 20-4924              | Bushing     | Steel pltd | 3000 psi              | 1-1/4" npt(m) | 1" npt(f)   |
| 237-614              | Bushing     | Steel      | 4000 psi              | 1" npt(m)     | 3/4" npt(m) |
| 20-4347              | Bushing     | Steel pltd | 3000 psi              | 3/4" npt(m)   | 3/8" npt(f) |
| 20-1753-1            | Bushing     | Steel pltd | 4000 psi              | 3/8" npt(m)   | 1/4" npt(f) |
| 20-3083              | Bushing     | 316 s.s.   | 4000 psi              | 3/8" npt(m)   | 1/4" npt(f) |



H-2008



AD-26



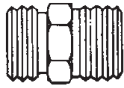
83-576

## Nipples & Reducing Nipples

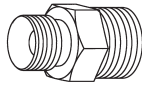
| Part Number         | Description     | Materials  | Max. Working Pressure | Inlet        | Outlet              |
|---------------------|-----------------|------------|-----------------------|--------------|---------------------|
| <b>LOW PRESSURE</b> |                 |            |                       |              |                     |
| 54-308              | Reducing nipple | Brass pltd | 250 psi               | 1/8" nps(m)  | 1/4" nps(m)         |
| 71-28               | Reducing nipple | Brass pltd | 750 psi               | 1/8" npt(m)  | 1/4" nps(m)         |
| H-2008              | Nipple          | Brass pltd | 750 psi               | 1/4" nps(m)  | 1/4" npt(m)         |
| 83-1050             | D.M. Nipple     | Brass      | 750 psi               | 1/4" nps(m)  | 1/4" nps(m)         |
| AD-31               | D.M. Nipple     | Brass pltd | 750 psi               | 1/4" nps(m)  | 1/4" nps(m)         |
| AD-26               | Reducing nipple | Brass pltd | 750 psi               | 1/4" nps(m)  | 3/8" npt(m)         |
| SSP-462-ZN          | D.M. Nipple     | Steel pltd | 750 psi               | 1/4" npt(m)  | 1/4" npt(m)         |
| 57-13-1             | D.M. Nipple     | Brass pltd | 750 psi               | 1/4" npt(m)  | 1/4" nps(m)/bspp(m) |
| 83-576              | D.M. Nipple     | Brass      | 750 psi               | 1/4" npt(m)  | 1/4" nps(m)         |
| H-209               | D.M. Nipple     | Brass pltd | 750 psi               | 1/4" npt(m)  | 9/16-20 (m)         |
| 0115-010333         | D.M. Nipple     | Brass pltd | 260 psi               | 3/8" bspp(m) | 3/8" bspp(m)        |

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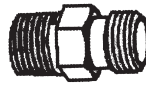
# Fittings



H-2008



AD-26



83-576

## Nipples & Reducing Nipples

| Part Number                     | Description     | Materials  | Max. Working Pressure | Inlet             | Outlet                |
|---------------------------------|-----------------|------------|-----------------------|-------------------|-----------------------|
| <b>LOW PRESSURE (continued)</b> |                 |            |                       |                   |                       |
| 83-1294                         | D.M. Nipple     | Brass pltd | 750 psi               | 3/8" nps(m)       | 3/8" nps(m)           |
| PLH-6-6TSS                      | Nipple          | 300 s.s.   | 250 psi               | 3/8" npt(m)       | 3/8" nps(m)           |
| AD-11                           | D.M. Nipple     | Brass pltd | 750 psi               | 3/8" npt(m)       | 3/8" nps(m)           |
| 73-50                           | D.M. Nipple     | Brass pltd | 750 psi               | 3/8" npt(m)       | 3/8" nps(m)           |
| 83-1185                         | D.M. Nipple     | Brass pltd | 750 psi               | 3/8" npt(m)       | 3/8" npt(m)           |
| 83-1823                         | D.M. Nipple     | Brass      | 500 psi               | 1/2" npt(m)       | 1/2" nps(m)           |
| 72-1243                         | D.M. Nipple     | Brass pltd | 500 psi               | 1/2" npt(m)       | 1/2" nps(m)           |
| 83-1822                         | D.M. Nipple     | Brass pltd | 750 psi               | 3/4" nps(m)       | 3/4" nps(m)           |
| 72-423                          | D.M. Nipple     | Brass pltd | 500 psi               | 1" npt(m)         | 1" nps(m)             |
| 72-2344                         | Nipple          | Steel pltd | 750 psi               | 1" npt(m)         | 1-1/2" nps(m)         |
| <b>HIGH PRESSURE</b>            |                 |            |                       |                   |                       |
| 237-859                         | D.M. Nipple     | 316 s.s.   | 6000 psi              | #3 J.I.C. (m)     | #3 J.I.C. (m)         |
| 107-1635                        | D.M. Nipple     | 316 s.s.   | 6000 psi              | #3 J.I.C. (m)     | 1/8" npt(m)           |
| 237-871                         | D.M. Nipple     | 316 s.s.   | 5000 psi              | #4 J.I.C. (m)     | #4 J.I.C. (m)         |
| 107-1439                        | D.M. Nipple     | 316 s.s.   | 5000 psi              | #4 J.I.C. (m)     | 1/4" npt(m)           |
| 107-1449                        | Reducing nipple | s.s.       | 5000 psi              | #4 J.I.C. (m)     | 1/8" npt(m)           |
| 207-12349                       | Reducing nipple | 303 s.s.   | 4000 psi              | #4 J.I.C. (m)     | 3/8-24 unf (m)        |
| 72-792                          | Reducing nipple | 303 s.s.   | 7500 psi              | 1/8" npt(m)       | 1/4" nps(m)           |
| 72-969                          | Reducing nipple | 303 s.s.   | 3000 psi              | 1/8" npt(m)       | 3/8" nps(m)           |
| HGS-22                          | Reducing nipple | s.s.       | 3000 psi              | 1/8" npt(m)       | 1/4" nps(m)           |
| HGS-21                          | Reducing nipple | s.s.       | 3000 psi              | 1/8" npt(m)       | 3/8" nps(m)           |
| 72-1268                         | Reducing nipple | Steel pltd | 5000 psi              | 1/4" npt(m)       | 3/8" npt(m)           |
| 72-790                          | D.M. Nipple     | 316 s.s.   | 4500 psi              | 1/4" npt(m)       | 1/4" nps(m)           |
| 20-4854                         | D.M. Nipple     | 316 s.s.   | 6000 psi              | 1/4" npt(m)       | 1/4" npt(m)           |
| 83-2484                         | Reducing nipple | 303 s.s.   | 3000 psi              | 1/4" npt(m)       | 3/8" nps(m)           |
| 237-375                         | Nipple          | Steel pltd | 6000 psi              | 1/4" npt / nps(m) | 1/4" npt / nps(m)     |
| 83-4233                         | Reducing nipple | Steel pltd | 6000 psi              | 1/4" npt / nps(m) | 3/8" npt / nps(m)     |
| H-1580-H                        | Reducing nipple | s.s.       | 3000 psi              | 1/4" npt(m)       | 3/8" nps(m) / bsp (m) |
| 72-791                          | D.M. Nipple     | 303 s.s.   | 4500 psi              | 1/4" nps(m)       | 1/4" nps(m)           |
| 72-691                          | D.M. Nipple     | Steel pltd | 6000 psi              | 1/4" nps(m)       | 1/4" nps(m)           |
| 0114-016059                     | Reducing nipple | s.s.       | 3000 psi              | 1/4" npt(m)       | 1/4" nps(m)           |
| 0114-019090                     | Reducing nipple | s.s.       | 3000 psi              | 1/4" bspt(m)      | 1/4" bspt(m)          |

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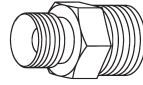
# Fittings



72-1888



83-2055



72-1316



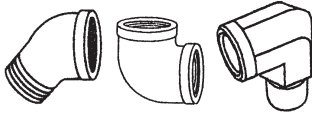
873188

## Nipples & Reducing Nipples

| Part Number                      | Description     | Materials          | Max. Working Pressure | Inlet                | Outlet               |
|----------------------------------|-----------------|--------------------|-----------------------|----------------------|----------------------|
| <b>HIGH PRESSURE (continued)</b> |                 |                    |                       |                      |                      |
| 84-509                           | Nipple          | 303 s.s.           | 3000 psi              | 1/4" nps(m)          | 1/16" npt(m)         |
| 72-2322                          | Nipple          | 303 s.s.           | 3000 psi              | 1/4" npt/nps(m)      | 5/8"-24 UNEF-2A      |
| 101-1772                         | Reducing nipple | 316 s.s.           | 5000 psi              | 1/4" nps(m)          | 1/8" npt(m)          |
| 72-1888                          | Reducing nipple | Steel pltd         | 6000 psi              | 1/4" nps(m)          | 3/8" nps(m)          |
| 72-988                           | Reducing nipple | 303 s.s.           | 4500 psi              | 1/4" nps(m)          | 3/8" npt(m)          |
| 72-798                           | D.M. Nipple     | 303 s.s.           | 4500 psi              | 3/8" nps(m)          | 3/8" nps(m)          |
| 72-1933                          | Reducing nipple | 303 s.s.           | 5000 psi              | 3/8" npt(m)          | 1/2" nps(m)          |
| 83-2055                          | D.M. Nipple     | 303 s.s.           | 4500 psi              | 3/8" npt(m)          | 3/8" nps(m)          |
| 72-998                           | D.M. Nipple     | Steel pltd         | 3000 psi              | 3/8" npt(m)          | 3/8" npt(m)          |
| SSP-459                          | D.M. Nipple     | 316 s.s.           | 6000 psi              | 3/8" npt(m)          | 3/8" npt(m)          |
| 237-266                          | D.M. Nipple     | Steel              | 6000 psi              | 1/2" npt(m)          | 1/2" npt(m)          |
| 237-374                          | Reducing nipple | Steel              | 6000 psi              | 1/2" npt(m) / nps(m) | 3/8" npt(m) / nps(m) |
| 72-1316                          | Reducing nipple | Steel pltd         | 4000 psi              | 1/2" npt(m)          | 3/4" npt(m)          |
| 41-1235                          | D.M. Nipple     | 303 s.s.           | 2500 psi              | 1/2" nps(m)          | 1/2" npt(m)          |
| 72-1770                          | D.M. Nipple     | 303 s.s.           | 2000 psi              | 3/4" npt(m)          | 3/4" nps(m)          |
| 72-1102                          | D.M. Nipple     | Steel pltd         | 4000 psi              | 3/4" npt(m)          | 3/4" npt(m)          |
| 101-713                          | D.M. Nipple     | Steel, 3 1/2" long | 5000 psi              | 3/4" npt(m)          | 3/4" nps(m)          |
| 41-28090                         | Reducing nipple | Steel pltd         | 6000 psi              | 3/4" npt(m)          | 1/2" npt(m)          |
| 72-1374                          | D.M. Nipple     | Steel pltd         | 3500 psi              | 1" npt(m)            | 1" npt(m)            |
| 72-1981                          | D.M. Nipple     | Steel pltd         | 3500 psi              | 1" npt(m)            | 1" nps(m)            |
| 873188                           | Reducing nipple | Steel pltd         | 6000 psi              | 1" npt(m)            | 1/2" npt(m)          |

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# Fittings

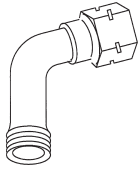


## Elbows

| Part Number          | Description            | Materials  | Max. Working Pressure | Inlet         | Outlet          |
|----------------------|------------------------|------------|-----------------------|---------------|-----------------|
| <b>LOW PRESSURE</b>  |                        |            |                       |               |                 |
| 20-6                 | Elbow 90 deg.          | Blk. Iron  | 150 psi               | 1" npt(f)     | 1" npt(f)       |
| 20-99                | Elbow street 90 deg.   | Blk. Iron  | 150 psi               | 1" npt(f)     | 1" npt(m)       |
| 20-3340-1            | Elbow street 90 deg.   | Brass pltd | 250 psi               | 1/2" npt(m)   | 1/2" npt(f)     |
| 86-563               | Elbow street 90 deg.   | Brass pltd | 250 psi               | 1/4" npt(m)   | 1/4" npt(f)     |
| 20-3645              | Elbow street 90 deg.   | Brass pltd | 250 psi               | 1/8" npt(m)   | 1/8" npt(f)     |
| 237-572              | Elbow 45 deg.          | Brass      | 250 psi               | 1/8" npt(m)   | #5 J.I.C. (m)   |
| 237-247              | Elbow 90 deg.          | Brass      | 250 psi               | 1/8" npt(m)   | 1/4" hose       |
| 20-6905              | Reducing elbow 90 deg. | Steel pltd | 250 psi               | 1-1/2" npt(m) | 1" npt(m)       |
| <b>HIGH PRESSURE</b> |                        |            |                       |               |                 |
| 20-3590              | Elbow street 90 deg.   | s.s.       | 3000 psi              | 3/4" npt(m)   | 3/4" npt(f)     |
| 237-276              | Reducing elbow 90 deg. | Steel pltd | 6000 psi              | 1/2" npt(f)   | #6 J.I.C. (m)   |
| 20-3821              | Elbow street 90 deg.   | Steel pltd | 3000 psi              | 3/8" npt(m)   | 3/8" npt(f)     |
| 20-2848              | Elbow 90 deg.          | 304 s.s.   | 4000 psi              | 1/4" npt(f)   | 1/4" npt(f)     |
| 101-1770             | Elbow street 90 deg.   | 316 s.s.   | 7200 psi              | 1/4" npt(m)   | 1/4" npt(f)     |
| 237-263              | Elbow street 90 deg.   | Steel pltd | 5000 psi              | 1/4" npt(m)   | 1/4" npt(f)     |
| 107-1646             | Elbow 90 deg.          | 316 s.s.   | 5000 psi              | 1/8" npt(m)   | #4 J.I.C. (m)   |
| 237-767              | Elbow street 45 deg.   | Steel      | 5000 psi              | 1/4" npt(m)   | 1/4" npt(f)     |
| 207-12085            | Reducing elbow 90 deg. | s.s.       | 6000 psi              | #4 J.I.C. (m) | 1/2" nps(f) sw. |
| 237-295              | Reducing elbow 90 deg. | Steel pltd | 3000 psi              | #12 J.I.C.    | 3/4" npt(f)     |
| SSP-1941-ZN          | Street elbow 90 deg.   | Steel pltd | 5000 psi              | 1/4" npt(m)   | 1/4" npt(f)     |

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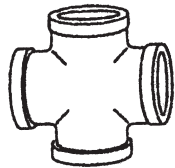
# Fittings



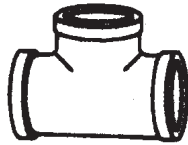
P-H-431, P-H-432

## Misc. Connections

| Part Number         | Description             | Materials  | Max. Working Pressure | Inlet             | Outlet         |
|---------------------|-------------------------|------------|-----------------------|-------------------|----------------|
| <b>LOW PRESSURE</b> |                         |            |                       |                   |                |
| P-H-432             | Fitting                 | n/a        | 750 psi               | 3/8" nps(f) sw    | 3/8" nps(m)    |
| P-H-431             | Fitting                 | n/a        | 750 psi               | 1/4" nps(f) sw    | 1/4" nps(m)    |
| 237-901             | Connection              | Poly       | 150 psi               | 1/4" npt(m)       | 3/8 tube       |
| 85-85               | Air tube connection     | Brass pltd | 250 psi               | 1/8" npt(m)       | 3/8-24 unf (f) |
| SSP-6102-K5         | Fitting, 90 deg. Barbed | Brass      | 250 psi               | 1/8" npt(m)       | .170 i.d. tube |
| 4358                | Fitting                 | n/a        | 750 psi               | #12 J.I.C. (f) sw | 3/4 i.d. hose  |



20-4593



101-2050

## Tees & Crosses

| Part Number | Description  | Type       | Max. Working Pressure | Inlet                 | Outlet                |
|-------------|--------------|------------|-----------------------|-----------------------|-----------------------|
| 20-4593     | Cross        | Steel      | 3000 psi              | 1/2" npt(f) all ports | 1/2" npt(f) all ports |
| 237-280     | male run tee | Steel pltd | 3000 psi              | 1/2" npt(m)           | (2) 1/2" npt(f)       |
| 101-2050    | Tee          | 316 s.s.   | 3000 psi              | 1/4" npt(f) all ports | 1/4" npt(f) all ports |
| 237-914     | Street tee   | 316 s.s.   | 3000 psi              | 1/4" npt(m)           | (2) 1/4" npt(f)       |
| SSP-2629-ZN | Branch tee   | Steel pltd | 5000 psi              | 1/4" npt(m)           | (2) 1/4" npt(f)       |
| 20-6788     | Cross        | Steel pltd | 3000 psi              | 3/4" npt(f) all ports | 3/4" npt(f) all ports |

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# Fittings



HEX



SQUARE  
HEAD

## Pipe Plugs – Internal Hex & Square Head

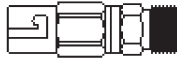
| Part Number          | Description | Materials        | Max. Working Pressure | Inlet        | Type        |
|----------------------|-------------|------------------|-----------------------|--------------|-------------|
| <b>HIGH PRESSURE</b> |             |                  |                       |              |             |
| 20-5692              | Pipe plug   | Steel pltd       | 4000 psi              | 1/16" npt(m) | Hex         |
| 20-5051              | Pipe plug   | s.s.             | 4000 psi              | 1/16" npt(m) | Hex         |
| 20-3111              | Pipe plug   | 303 s.s.         | 4000 psi              | 1/8" npt(m)  | Hex         |
| 20-2287-1            | Pipe plug   | Steel pltd       | 4000 psi              | 1/8" npt(m)  | Hex         |
| 20-6131              | Pipe plug   | s.s.             | 4000 psi              | 1/4" npt(m)  | Hex         |
| 20-2288-1            | Pipe plug   | Steel pltd       | 4000 psi              | 1/4" npt(m)  | Hex         |
| 20-4401              | Pipe plug   | 303 s.s.         | 4000 psi              | 1/4" npt(m)  | Square head |
| 20-6739              | Pipe plug   | 303 s.s.         | 4000 psi              | 1/4" npt(m)  | Hex         |
| 86-558               | Pipe plug   | Steel pltd       | 4000 psi              | 1/4" npt(m)  | Square head |
| 237-338              | Pipe plug   | Steel pltd       | 4000 psi              | 1/4" npt(m)  | Hex         |
| 20-1592              | Pipe plug   | Steel pltd       | 4000 psi              | 3/8" npt(m)  | Square head |
| 20-2097              | Pipe plug   | Steel            | 4000 psi              | 1/2" npt(m)  | Hex         |
| <b>NON-RATED</b>     |             |                  |                       |              |             |
| 237-336              | Pipe plug   | Steel            | n/r                   | 1/16" npt(m) | Hex         |
| 237-879              | Pipe plug   | Steel            | n/r                   | 2" npt(m)    | Bung        |
| 20-2605-1            | Pipe plug   | Steel            | n/r                   | 3/8" npt(m)  | Hex         |
| SSP-1441-ZN          | Pipe plug   | Steel, zinc pltd | 300 psi               | 3/8" npt(m)  | Hex         |

N/R = Non-Rated • Pltd brass = Plated brass, chrome • S.S. = Stainless steel  
Galv. = Galvanized steel • Steel pltd = Plated steel, cadmium or zinc • Poly = Polypropylene plastic

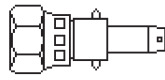
# Fittings



P-HC-4808-1



72-1804



72-364

## Quick Disconnects – Bayonett Style (Fluid)

### Binks Style

| Part Number | Type     | Description     | Max. Working Pressure | Connection  | Service Form |
|-------------|----------|-----------------|-----------------------|-------------|--------------|
| 72-1804     | Body (f) | Stainless steel | 500 psi               | 3/8" nps(m) | n/a          |
| 72-364      | Stem (m) | Stainless steel | 500 psi               | 3/8" nps(f) | n/a          |

### DeVilbiss Style

|             |          |                  |         |                    |           |
|-------------|----------|------------------|---------|--------------------|-----------|
| P-HC-4808-1 | Body (f) | Aluminum         | 500 psi | 3/8" nps(m)        | SB-12-001 |
| P-HC-4482   | Stem (m) | Hardened Steel   | 500 psi | 3/8" nps(f)        | SB-12-001 |
| HC-513-1    | Body (f) | Stainless steel  | 500 psi | 3/8" nps(m)        | SB-12-001 |
| QDL-4808    | Body (f) | Delrin/Stainless | 500 psi | 3/8" nps(m)        | SB-12-001 |
| HC-4691     | Stem (m) | Stainless steel  | 500 psi | 3/8" nps(f) swivel | SB-12-001 |



72-885 w/72-887 stem connected

## Binks Quick Disconnects (Fluid – Solvent Based)

| Part Number | Type     | Description | Max. Working Pressure | Connection Size | Service Form |
|-------------|----------|-------------|-----------------------|-----------------|--------------|
| 72-885      | Body (f) | Steel       | 250 psi               | 3/8" nps(m)     | 77-1759      |
| 72-887*     | Stem (m) | Steel       | 250 psi               | 3/8" nps(f)     | 77-1759      |

\*Replacement o-ring for stem: 20-3620-5 (5-pack Viton)

## Binks Quick Disconnect Assemblies (Fluid – Solvent Based)

| Part Number | Description              | Max. Working Pressure | Service Form |
|-------------|--------------------------|-----------------------|--------------|
| 72-888      | 72-885 Body 72-887 Stem* | 250 psi               | 77-1759      |

\*\*Replacement o-ring for stem: 20-3620-5 (5-pack Viton)



72-780

## Binks High Pressure Swivel Connection (Fluid – Solvent Based)

| Part Number | Description       | Materials | Max. Working Pressure | Inlet       | Outlet      |
|-------------|-------------------|-----------|-----------------------|-------------|-------------|
| 72-780      | Swivel connection | Steel     | 3000 psi              | 1/4" nps(m) | 1/4" nps(f) |
| 72-2332     | Swivel connection | Steel     | 7500 psi              | 1/4" nps(m) | 1/4" nps(f) |
| 72-2333     | Swivel connection | Steel     | 7500 psi              | 3/8" nps(m) | 1/4" nps(f) |

N/R = Non-Rated • Pltd brass = Plated brass, chrome • S.S. = Stainless steel  
Galv. = Galvanized steel • Steel pltd = Plated steel, cadmium or zinc • Poly = Polypropylene plastic



# Fittings



## Binks Quick Disconnects (Air)

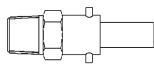
| Part Number | Type     | Description | Connection Size | Max. Working Pressure | Service Form |
|-------------|----------|-------------|-----------------|-----------------------|--------------|
| 72-2063     | Body (f) | Standard    | 1/4" nps(m)     | 200 psi               | n/a          |
| 72-2066     | Body (f) | Standard    | 5/16 i.d. hose  | 200 psi               | n/a          |
| 72-2073     | Body (f) | Standard    | 1/4" npt(f)     | 200 psi               | n/a          |
| 72-445      | Stem (m) | Standard    | 1/4" nps(f)     | 200 psi               | n/a          |
| 72-467      | Stem (m) | Standard    | 1/4" npt(m)     | 200 psi               | n/a          |

## Binks Quick Disconnect Assemblies (Air)

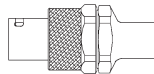
| Obsolete Part Number |                                      | Order:              | Description        | Max. Working Pressure | Service Form |
|----------------------|--------------------------------------|---------------------|--------------------|-----------------------|--------------|
| 72-2076              | (body and stem shown in above chart) | <b>72-2063 Body</b> | <b>72-445 Stem</b> | 200 psi               | n/a          |
| 72-470               | (body and stem shown in above chart) | <b>72-2063 Body</b> | <b>72-467 Stem</b> | 200 psi               | n/a          |
| 72-474               | (body and stem shown in above chart) | <b>72-2073 Body</b> | <b>72-445 Stem</b> | 200 psi               | n/a          |
| 72-476               | (body and stem shown in above chart) | <b>72-2073 Body</b> | <b>72-467 Stem</b> | 200 psi               | n/a          |

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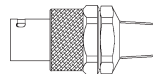
# Fittings



P-H-4069



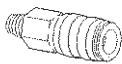
P-H-4090



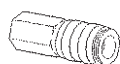
P-H-4091

## DeVilbiss Quick Disconnects (Air)

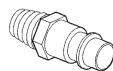
| Part Number | Type | Description | Connection Size | Max. Working Pressure | Service Form |
|-------------|------|-------------|-----------------|-----------------------|--------------|
| P-H-4069    | Stem | Air bayonet | 1/4" npt(m)     | 250 psi               | n/a          |
| P-H-4090    | Body | Air bayonet | 1/4" npt(f)     | 250 psi               | n/a          |
| P-H-4091    | Body | Air bayonet | 1/4" npt(m)     | 250 psi               | n/a          |



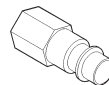
HC-4699



HC-4700



HC-1166



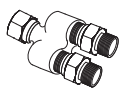
HC-4419



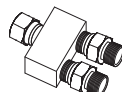
MPV-60-K3

## DeVilbiss Quick Disconnects (High-Flow Air)

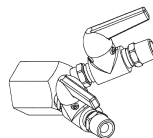
| Part Number | Type     | Description           | Connection Size    | Max. Working Pressure | Service Form |
|-------------|----------|-----------------------|--------------------|-----------------------|--------------|
| HC-4719     | Body (f) | Hi-flow               | 1/4" universal (m) | 230 psi               | SB-12-001    |
| HC-4720     | Body (f) | Hi-flow               | 1/4" npt(f)        | 230 psi               | SB-12-001    |
| HC-1166     | Stem (m) | Hi-flow               | 1/4" npt(m)        | 230 psi               | SB-12-001    |
| HC-4419     | Stem (m) | Hi-flow               | 1/4" nps(f)        | 230 psi               | SB-12-001    |
| MPV-60-K3   | Stem (f) | Hi-flow (ball swivel) | 1/4" nps(f)        | 230 psi               | n/a          |



72-1823, 72-1869, 72-2339



72-1927



83-2155

## Gun/Outlet Manifolds

| Part Number | Max. Working Pressure | No. of Outlets | Outlet Threads | Inlet Swivel Nut | Notes  |
|-------------|-----------------------|----------------|----------------|------------------|--|
| 72-994      | 200 psi               | 2              | 3/8" npt(f)    | 7/8"-18 nps(f)   | Pltd brass   |
| 72-1823     | 250 psi               | 2              | 3/8" nps(m)    | 3/8" nps(f)      | Stainless steel  |
| 72-1869     | 1000 psi              | 2              | 1/4" nps(m)    | 3/8" nps(f)      | Stainless steel  |
| 72-1927     | 2000 psi              | 2              | 1/4" nps(m)    | 1/4" nps(f)      | H.P. steel fittings, plated steel body and swivel nut  |
| 83-2155     | 4000 psi              | 2              | 3/8" npt(m)    | 1" npt(f)        | 303 Stainless steel body with 4000 psi valves          |
| 72-2339     | 7250 psi              | 2              | 1/4" nps(m)    | 1/4" nps(f)      | Used in circulating and heated fluid systems for fluid |

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# Air Supply Controls & Gauges

|  |             |
|--|-------------|
| <b>AIR REGULATORS</b>                          | <b>7-2</b>  |
| <b>BYPASS AIR REGULATORS</b>                   | <b>7-4</b>  |
| <b>AIR CONTROL ASSEMBLIES (PUMPS)</b>          | <b>7-6</b>  |
| <b>AIR CONTROL ASSEMBLIES (PRESSURE TANKS)</b> | <b>7-7</b>  |
| <b>CENTRIFUGAL AIR FILTERS / REGULATORS</b>    | <b>7-8</b>  |
| <b>COALESCER UNITS</b>                         | <b>7-10</b> |
| <b>DESICCANT UNITS</b>                         | <b>7-12</b> |
| <b>1 STAGE CHARCOAL FILTER</b>                 | <b>7-14</b> |
| <b>3 STAGE BREATHING AIR UNIT</b>              | <b>7-14</b> |
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| <b>FILTER ELEMENT KITS</b>                     | <b>7-16</b> |
| <b>AIR VIZOR™ BREATHABLE AIR SYSTEMS</b>       | <b>7-16</b> |
| <b>AIR PRESSURE GAUGES</b>                     | <b>7-17</b> |

# Air Supply Controls & Gauges

## HAR Air Regulators

General purpose regulators for line takeoff use or as integral regulators on pumps, pressure tanks and other air operated devices. Require separate trap or filter in air line to remove moisture or dirt.

- Removable plug and cap.
- All metal body; durable Delrin® cap, metal T handle; Buna N diaphragm and disc.
- Accurate regulator mechanism provides precision air control.
- Self-relieving design.
- Both main line and regulated outlets available from same units.

## HAR-501® Air Regulator

Extra Sensitive regulator for use with precision control on pressure feed tanks or other dead-end applications. Can be used to control atomization pressure for one spray gun.

- Self-relieving regulator.
- Tough, reinforced Buna N diaphragm for extended service life.
- 100 mesh stainless steel strainer.
- Removable bottom plug for easy service.
- Forged brass body and stainless steel or brass internal parts for long service.
- High ratio of diaphragm surface to orifice area provides stable uniform regulation.

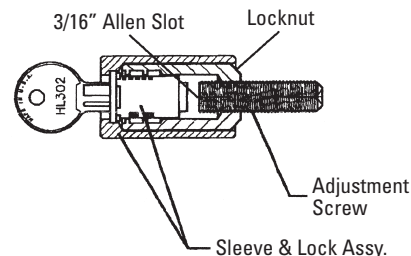
## Air Regulators

| Part Number           | Description                        | Inlet       | Outlet(s)   | Inlet Press. Max. | Outlet Press. Min. | Outlet Press. Max. | Where Used                              |
|-----------------------|------------------------------------|-------------|---|-------------------|--------------------|--------------------|---|
| 107-1343              | Air regulator                      | 3/4" npt(f) | 1 ea 3/4" npt(f)<br>2 ea 1/4" npt(f)                                      | 250 psi           | 5 psi              | 125 psi            | 101-9251 air control                    |
| 873465                | Air regulator                      | 1/4" npt(f) | 3 ea 1/4" npt(f)  | n/a               | 0 psi              | 125 psi            | Raptor – pump                           |
| 873466                | Air regulator                      | 1/4" npt(f) | 3 ea 1/4" npt(f)  | n/a               | 0 psi              | 50 psi             | Raptor – atom. air                      |
| 85-214                | Air regulator                      | 1/4" npt(f) | 3 ea 1/4" npt(f) Regulated  | n/a               | 0 psi              | 100 psi            | Old style Binks non-ASME pressure tanks |
| HAR-507               | Air regulator                      | 3/8" npt(f) | 3 ea 1/4" npt(f)  | 150 psi           | 0 psi              | 125 psi            | Pressure tanks                          |
| HAR-535               | Air regulator                      | 3/8" npt(f) | 1/4" npt(f) Unregulated<br>1/4" npt(f) Regulated<br>3/8" npt(f) Regulated | 250 psi           | 0 psi              | 125 psi            | General use                             |
| HAR-555               | Air regulator                      | 3/8" npt(f) | 2 ea 1/4" npt(f) Unregulated<br>1 ea 1/2" npt(f) Regulated                | 250 psi           | 0 psi              | 125 psi            | General use                             |
| HAR-600               | Air regulator w/ gauge             | 3/8" npt(f) | 3 ea 1/4" npt(f)  | 150 psi           | 0 psi              | 125 psi            | Pressure tanks and general use          |
| HARG-510              | Air regulator w/ gauge             | 1/4" nps(m) | 1/4" nps(f) SWIVEL  | 200 psi           | 5 psi              | 100 psi            | Gun atom. air reg. assy.                |
| 237-635               | Air regulator                      | 1/2" npt(f) | 2 ea 1/4" npt<br>1 ea 1/2" npt(f)   | n/a               | 0 psi              | 125 psi            | Excel pumps – air control               |
| JGHV-453 /<br>KK-4980 | Air regulator (mini) regulator kit | 1/4" npt(f) | 1 ea 1/4" npt(f)<br>1 ea 1/8" npt(f)                                      | 125 psi           | 0 psi              | 8 psi              | TLC-576, TGC-600, TSC-591 pressure cups |
| HAR-501               | Air regulator (extra sensitive)    | 3/8" npt(f) | 3/8" npt(f)   | 250 psi           | 0 psi              | 20 psi             | Pressure tanks                          |
| 849315                | Piggyback filter / air regulator   | 1/2" npt(f) | 1/2" npt(f)   | 250 psi           | 5 psi              | 140 psi            | Infinity pumps                          |
| 85-441                | Air regulator                      | 1/4" nps(f) | 1/4" nps(f)   |                   | 2 psi              | 50 psi             | 80-295, 80-296, 80-600, 80-651          |
| 85-502                | Air regulator                      | 3/4" npt    | 3/4" npt<br>1/4" npt (x2) Regulated                                       | 300 psi           | 5 psi              | 150 psi            | BX pumps                                |

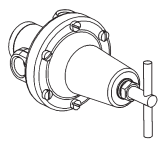
## HAR-400 Regulator Lockout Accessory

Used with any HAR, T Handle style air regulators.

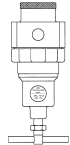
This device allows the painter to set their air regulators to guarantee proper atomization, as well as to assure compliance in areas where air cap pressure is limited to 10 psi or less. Includes one key per unit.



# Air Supply Controls & Gauges



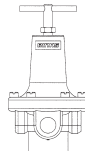
**HAR-507**



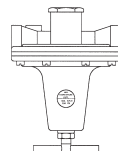
**HAR-535**  
**HAR-555**



**HARG-510**



**237-635**



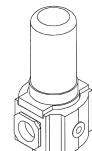
**HAR-501**



**849315**



**85-441**



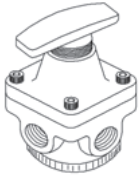
**85-502**

## Air Regulators

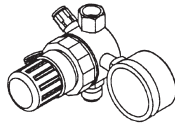
| Part Number                   | Capacity | Type     | Gauge   | Repair Kit | Service Form |
|-------------------------------|----------|----------|---|------------|--------------|
| <b>107-1343</b>               | n/a      | Knob     | None  | None       | 77-2315      |
| <b>873465</b>                 | n/a      | Knob     | Optional 849306 gauge 0-160   | None       | None         |
| <b>873466</b>                 | n/a      | Knob     | Optional 849314 gauge 0-60  | None       | None         |
| <b>85-214</b>                 | 30 cfm   | Knob     | Optional 83-2727 gauge 0-100  | 6-207      | 77-1890      |
| <b>HAR-507</b>                | 60 cfm   | T-Handle | Optional GA-288 gauge 0-160   | KK-4977    | SB-6-147     |
| <b>HAR-535</b>                | 40 cfm   | T-Handle | Optional GA-33 gauge 0-30 or GA-333 gauge 0-100 or GA-288 gauge 0-160 | KK-4139-3  | SB-6-162     |
| <b>HAR-555</b>                | 40 cfm   | T-Handle | None  | KK-4139-3  | SB-6-162     |
| <b>HAR-600</b>                | 60 cfm   | T-Handle | Includes GA-288 gauge 0-160   | KK-4977    | SB-6-147     |
| <b>HARG-510</b>               | n/a      | Knob     | Includes GA-338 gauge 0-160   | KB-428-1   | SB-6-105     |
| <b>237-635</b>                | 100 cfm  | T-Handle | Optional 83-1290 gauge 0 - 150 psi                                    | 237-904    | 77-2787      |
| <b>JGHV-453 /<br/>KK-4980</b> | n/a      | Knob     | Optional GA-355 gauge 0-30 psi  | None       | SB-6-102     |
| <b>HAR-501</b>                | 15 cfm   | T-Handle | None  | KK-4200    | SB-6-131     |
| <b>849315</b>                 | 172 scfm | Knob     | Includes GA-338 gauge 0-160 psi                                       | None       | 876125       |
| <b>85-441</b>                 | n/a      | Knob     | Includes 85-70 gauge 0-60 psi   | 85-438     | 77-2825      |
| <b>85-502</b>                 | 220 scfm | Knob     | None  | 85-511     | None         |

**SEE PAGE 9-5 FOR AIR ADJUSTING VALVES**

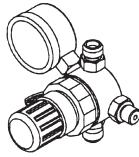
# Air Supply Controls & Gauges



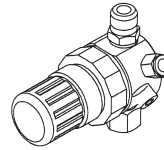
85-215



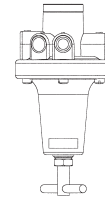
85-435



85-440



85-448



HAR-511



HAR-508

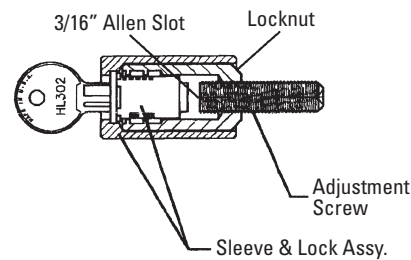
## Bypass Air Regulators

| Part Number | Description       | Inlet                              | Outlet(s)   | Inlet Press. Max. | Outlet Press. Min. | Outlet Press. Max. |
|-------------|-------------------|------------------------------------|---|-------------------|--------------------|--------------------|
| 85-215      | Air regulator     | 1/4" npt(f)                        | 2 ea 1/4" npt(f) regulated<br>1 ea 1/4" npt(f) unregulated  | n/a               | 0 psi              | 100 psi            |
| 85-435      | Air regulator kit | 1/4" nps(m)                        | 1 ea 1/4" nps(m) unregulated<br>1 ea 3/8"-24 (m) regulated<br>2 ea 1/8" npt(f) regulated  | 95 psi            | 0 psi              | 15 psi             |
| 85-440      | Air regulator     | 1/2" npt w/<br>1/4" nps(m)<br>conn | 1/8" npt(f) unregulated w/ 1/4" nps(f) swivel<br>1/8" npt(f) regulated w/ 7/16-24 (m) conn<br>1/8" npt(f) regulated w/ 85-70 gauge<br>1/8" npt(f) regulated w/ 85-243 55 psi safety valve | 95 psi            | 0 psi              | 50 psi             |
| 85-445      | Air regulator     | 1/2" npt w/<br>1/4" nps(m)<br>conn | 1/8" npt(f) unregulated w/ 1/4" nps(f) swivel<br>1/8" npt(f) regulated w/ 3/8-24 (f) conn<br>1/8" npt(f) regulated w/ 85-70 gauge<br>1/8" npt(f) regulated w/ 85-243 55 psi safety valve  | 95 psi            | 0 psi              | 50 psi             |
| 85-448      | Air regulator     | 1/4" nps(m)                        | 1 ea 1/4" nps(f)<br>1 ea 1/4" tubing connection   | 300 psi           | 0 psi              | 50 psi             |
| HAR-511     | Air regulator     | 3/8" npt(f)                        | 1/4" npt(f) regulated<br>3/8" npt(f) regulated<br>2 1/4" npt(f) unregulated   | 150 psi           | 0 psi              | 125 psi            |
| HAR-508     | Air regulator     | 1/2" npt(f)                        | 2 ea regulated 1/4" npt(f)<br>1 ea 1/2" npt(f) unregulated  | 300 psi           | 0 psi              | 160 psi            |

## HAR-400 Regulator Lockout Accessory

Used with any HAR, T Handle style air regulators.

This device allows the painter to set their air regulators to guarantee proper atomization, as well as to assure compliance in areas where air cap pressure is limited to 10 psi or less. Includes one key per unit.

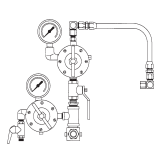


# Air Supply Controls & Gauges

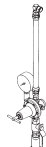
## Bypass Air Regulators

| Part Number    | Where Used   | Capacity        | Type     | Gauge   | Repair Kit | Service Form |
|----------------|--|-----------------|----------|---|------------|--------------|
| <b>85-215</b>  | Pogo pump, old tanks   | 30 cfm          | Knob     | Optional 83-2727 gauge 0-100                        | 6-207      | 77-1890      |
| <b>85-435</b>  | 80-511 1 qt. cup, 98-1141 outfit   | n/a             | Knob     | Includes GA-313 gauge 0-15 plus 35 psi safety valve | 85-437     | 77-2816      |
| <b>85-440</b>  | 80-295 cup   | n/a             | Knob     | Includes 85-70 gauge 0-60 plus 35 psi safety valve  | 85-438     | 77-2817      |
| <b>85-445</b>  | 80-294 pressure cup  | n/a             | Knob     | Includes 85-70 gauge 0-60 plus 35 psi safety valve  | 85-438     | 77-2818      |
| <b>85-448</b>  | 80-651 cup, agitator assembly  | n/a             | Knob     | none  | 85-437     | 77-2843      |
| <b>HAR-511</b> | Pressure tanks   | 60 cfm          | T-handle | Optional 83-1290 gauge 0-150                        | KK-4977    | 77-2781      |
| <b>HAR-508</b> | DAD-503 air station, DAD-504 air station, HAF-601 air station, Air Vizor | 28 cfm @ 60 psi | Knob     | Optional GA-316 gauge 0-160                         | KK-5045    | SB-6-133     |

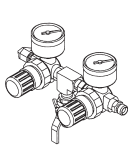
# Air Supply Controls & Gauges



41-11459



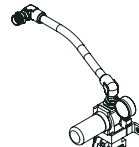
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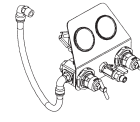
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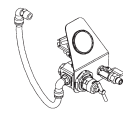
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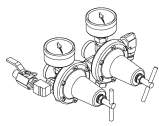
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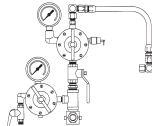
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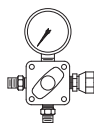
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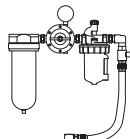
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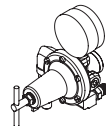
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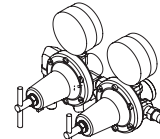
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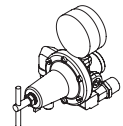
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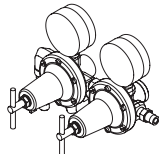
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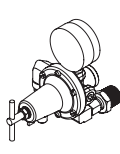
41-718806



41-718807



41-718808



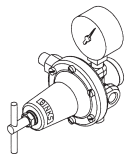
41-718809

## Air Control Assemblies (Pumps)

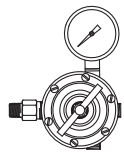
| Part Number | Description                  | Pump Air Regulator | Atomizing Air Regulator | Assembly Used On                 | Max. Working Pressure | Mounting Type        | Inlet / Outlet Fitting Sizes | Service Form        |
|-------------|------------------------------|--------------------|-------------------------|----------------------------------|-----------------------|----------------------|------------------------------|---------------------|
| 41-11459    | Dual air reg set             | HAR-507            | HAR-507                 | Binks 6" Air mtrs and smaller    | 100 PSI               | Cart / Wall          | 3/8"                         | SB-6-147            |
| 41-4279     | Single air reg set           | HAR-507            | n/a                     | Binks 6" Air mtrs and smaller    | 100 PSI               | Cart / Wall          | 3/8"                         | 77-1737, SBBI-6-147 |
| 41-17235    | Dual air reg set             | HAR-503-2          | HAR-503-2               | Binks Comet 4/12 Series          | 100 PSI               | Pump                 | 1/4"                         | 77-2887, SB-6-105   |
| 41-28080    | Single air reg set           | 85-502             | n/a                     | Binks BX Series                  | 100 PSI               | Cart                 | 3/4"                         | 77-2901             |
| 41-28081    | Single air reg set           | 85-502             | n/a                     | Binks BX Series                  | 100 PSI               | Wall                 | 3/4"                         | 77-2901             |
| 0115-010180 | Dual air reg set             | 0115-010183        | 0115-010182             | Binks MX 4/12 Series and MX 4/32 | 116 PSI               | Cart / Wall / Tripod | 3/8"                         | 77-2912, 77-2913    |
| 0115-010198 | Single air reg set           | 0115-010183        | n/a                     | Binks MX 4/12 Series and MX 4/32 | 116 PSI               | Cart / Wall          | 3/8"                         | 77-2912, 77-2913    |
| 85-466      | Dual air reg set             | HAR-511            | HAR-507                 | Binks DVP Pumps                  | 100 PSI               | Pump                 | 3/8"x1/4"                    | 77-2781, SBBI-6-147 |
| 41-15922    | Dual air reg set             | HAR-507            | HAR-507                 | Binks Comet 3B                   | 80 PSI                | Cart / Wall          | 3/8"                         | SB-6-147            |
| 41-15931    | Single air reg set           | 85-215             | n/a                     | Binks Pogo Pumps                 | 100 PSI               | Pump                 | 1/4"                         | 77-1890             |
| 41-718805   | Single air regulator control | HAR-507            | n/a                     | 1/2" Gemini II Diaphragm Pumps   | 150 psi               | Pump                 | 1/4" npt(m) – 1/4" nps(m)    | SB-6-147            |
| 41-718806   | Dual air regulator control   | HAR-511            | HAR-507                 | 1/2" Gemini II Diaphragm Pumps   | 150 psi               | Pump                 | 1/4" npt(m) – 1/4" nps(m)    | SB-6-147 & 77-2781  |
| 41-718807   | Single air regulator control | HAR-507            | n/a                     | 1" Gemini II Diaphragm Pumps     | 150 psi               | Pump                 | 1/2" npt(m) – 1/4" nps(m)    | SB-6-147            |
| 41-718808   | Dual air regulator control   | HAR-511            | HAR-507                 | 1" Gemini II Diaphragm Pumps     | 150 psi               | Pump                 | 1/2" npt(m) – 1/4" nps(m)    | SB-6-147 & 77-2781  |
| 41-718809   | Single air regulator control | HAR-507            | n/a                     | 1-1/2" Gemini II Diaphragm Pumps | 150 psi               | Pump                 | 3/4" npt(m) – 1/4" nps(m)    | SB-6-147            |
| 41-28272    | Dual air regulator control   | HAR-503-2          | HAR-503-2               | MX LITE Pumps                    | 100 psi               | Pump                 | 1/4" npt(m) – 1/4" nps(m)    | SB-6-105            |
| 41-28190    | Single air regulator control | 85-502             | n/a                     | MX-3560, MX-3070 & MX-35AA       | 150 PSI               | Pump                 | 3/4" npt(m) – 3/4" npt(m)    | 77-1890             |



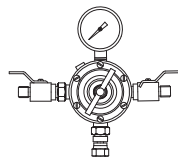
# Air Supply Controls & Gauges



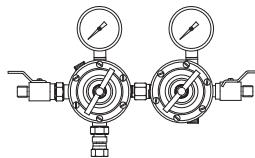
**PT-413**



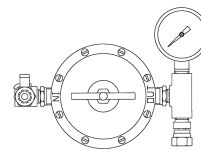
**QMS-436**



**QMS-4006**



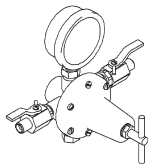
**QMS-4007**



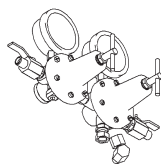
**QMS-4010**



**85-203**



**85-470, 85-471**



**85-472, 85-473**



**85-490, 85-491**



**85-492**



**85-493**

## Air Control Assemblies (Pressure Tanks)

| Part Number     | Description  | Tank Air Regulator | Atomizing Air Regulator | Assembly Used On Tanks           | Max. Working Pressure | Inlet / Outlet Fitting Sizes | Service Form       |
|-----------------|--|--------------------|-------------------------|----------------------------------|-----------------------|------------------------------|--------------------|
| <b>PT-413</b>   | Conversion kit for dual                              | n/a                | HAR-507                 | PT 2.8 (80lb tanks)              | 80 PSI                | 1/4"nps                      | SBBI-21-921        |
| <b>QMS-436</b>  | Conversion kit for dual                              | n/a                | HAR-507                 | 83- 2.8 through 60 gal (110 psi) | 100 PSI               | 1/4"nps                      | SBBI-21-913        |
| <b>QMS-4006</b> | Single regulator kit                                 | HAR-511            | n/a                     | 83- 2.8 thru 15 gal (110 psi)    | 100 PSI               | 1/4"nps                      | SBBI-21-XXX        |
| <b>QMS-4007</b> | Dual regulator kit                                   | HAR-511            | HAR-507                 | 83- 2.8 through 15 gal (110 psi) | 100 PSI               | 1/4"nps                      | SBBI-21-XXX        |
| <b>QMS-4010</b> | Extra sensitive single kit                           | HAR-501            | n/a                     | 83- 2.8 through 15 gal (110 psi) | 100 PSI               | 1/4"nps                      | SB-6-131           |
| <b>85-203</b>   | Single air reg kit                                   | HAR-511            | n/a                     | 83- 30 through 60 gal (110 psi)  | 100 PSI               | 1/4"nps                      | 77-1827            |
| <b>85-470</b>   | Single regulator (non agitated tank)                 | HAR-511            | none                    | 183- 2 through 15 gal (110 psi)  | 100 PSI               | 1/4"nps                      | 77-2927<br>77-2928 |
| <b>85-471</b>   | Single regulator (agitated tank)                     | HAR-511            | none                    | 183- 2 through 15 gal (110 psi)  | 100 PSI               | 1/4"nps                      | 77-2927<br>77-2928 |
| <b>85-472</b>   | Double regulator (non agitated tank)                 | HAR-511            | HAR-507                 | 183- 2 through 15 gal (110 psi)  | 100 PSI               | 1/4"nps                      | 77-2927<br>77-2928 |
| <b>85-473</b>   | Double regulator (agitated tank)                     | HAR-511            | HAR-507                 | 183- 2 through 15 gal (110 psi)  | 100 PSI               | 1/4"nps                      | 77-2927<br>77-2928 |
| <b>85-490</b>   | Extra sensitive single regulator (non agitated tank) | HAR-501            | none                    | 183- 2 through 15 gal (110 psi)  | 30 PSI                | 1/4"nps                      | 77-2927<br>77-2928 |
| <b>85-491</b>   | Extra sensitive single regulator (agitated tank)     | HAR-501            | none                    | 183- 2 through 15 gal (110 psi)  | 30 PSI                | 1/4"nps                      | 77-2927<br>77-2928 |
| <b>85-492</b>   | Extra sensitive double regulator (non agitated tank) | HAR-501            | HAR-507                 | 183- 2 through 15 gal (110 psi)  | 30 PSI                | 1/4"nps                      | 77-2927<br>77-2928 |
| <b>85-493</b>   | Extra sensitive double regulator (agitated tank)     | HAR-501            | HAR-507                 | 183- 2 through 15 gal (110 psi)  | 30 PSI                | 1/4"nps                      | 77-2927<br>77-2928 |

# Air Supply Controls & Gauges

## DeVilbiss offers a complete line of quality air filtering units

It's the equipment you need to ensure a contaminant-free material application — because today's high solids and waterbornes are even more sensitive to contaminants. The right filter equipment from DeVilbiss can make all the difference.

The fact is, an otherwise great finish can be totally ruined by just a small amount of dirt, oil or water in your air line. And needless to say, flaws like pinholes, blushing, fisheyes or dulling mean a job has to be redone—a waste of both time and money.

## Quality Equipment and Proper Installation

Following some key installation principles will help decrease the risk of contaminants:

- It's important to use the right size air compressor for your application. An overworked air compressor can produce a significant amount of dirt and oil.

- Proper piping is very important to help prevent condensation from forming within the line and contaminating the air supply.

DeVilbiss is ready to assist you with any questions.

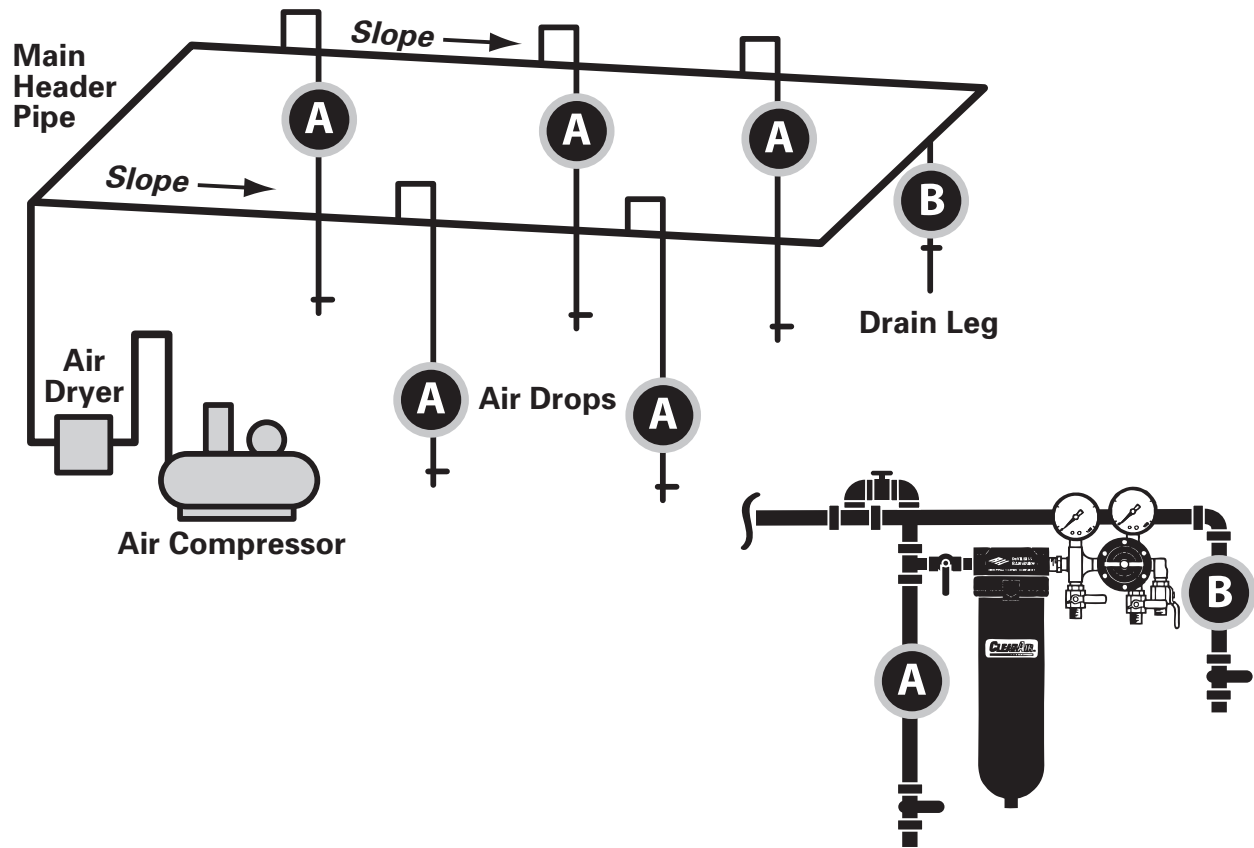


## Centrifugal Air Filters

| Part Number | Description            | Inlet       | Outlet(s)   | Inlet Press. Max. | Outlet Press. Min. | Outlet Press. Max. |
|-------------|------------------------|-------------|-------------|-------------------|--------------------|--------------------|
| HAF-502     | Centrifugal air filter | 1/2" npt(f) | 1/2" npt(f) | 150 psi           | 0 psi              | 150 psi            |
| HAF-503     | Centrifugal air filter | 3/4" npt(f) | 3/4" npt(f) | 150 psi           | 0 psi              | 150 psi            |
| HAF-505     | Coalescing air filter  | 1/2" npt(f) | 1/2" npt(f) | 150 psi           | 0 psi              | 150 psi            |

# Air Supply Controls & Gauges

## Recommended Air Supply Setup



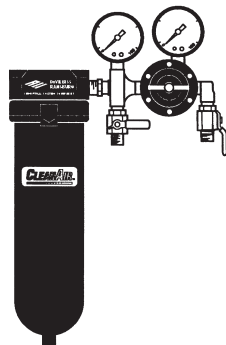
## Centrifugal Air Filters

| Part Number | Capacity           | Type    | Gauge | Repair Kit | Service Form |
|-------------|--------------------|---------|-------|------------|--------------|
| HAF-502     | 100 cfm@<br>90 psi | In-line | None  | None       | SB-6-146     |
| HAF-503     | 150 cfm@<br>90 psi | In-line | None  | None       | SB-6-148     |
| HAF-505     | 55 cfm@<br>90 psi  | In-line | None  | None       | SB-6-152     |

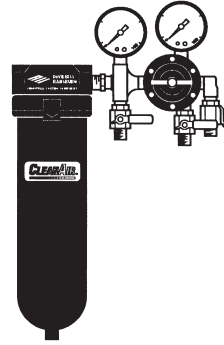
# Air Supply Controls & Gauges



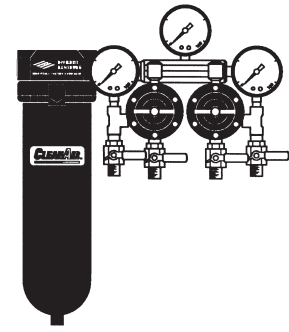
849315



HFRL-508



HFRL-509



HFRL-511

## Centrifugal Filter/Regulator Units

| Part Number | Description                         | Inlet       | Outlet(s)   | Inlet Press. Max. | Outlet Press. Min. | Outlet Press. Max. |
|-------------|-------------------------------------|-------------|---|-------------------|--------------------|--------------------|
| 849315      | Piggyback filter / air regulator    | 1/2" npt(f) | 1/2" npt(f)   | 250 psi           | 5 psi              | 140 psi            |
| HFRL-508    | Centrifugal filter / regulator unit | 1/2" npt(f) | 2 ea 1/4" nps(m) regulated and 1 ea 1/4" nps(m) non-regulated | 150 psi           | 0 psi              | 150 psi            |
| HFRL-509    | Centrifugal filter / regulator unit | 3/4" npt(f) | 2 ea 1/4" nps(m) regulated and 1 ea 1/4" nps(m) non-regulated | 150 psi           | 0 psi              | 150 psi            |
| HFRL-511    | Centrifugal filter / regulator unit | 3/4" npt(f) | 4 ea 1/4" nps(m) regulated and 1 ea 1/4" nps(m) non-regulated | 150 psi           | 0 psi              | 150 psi            |



HAF-508



HAF-509

DeVilbiss CleanAir centrifugal units supply cleaner, drier air to each spray gun in a system. This cleaner air can also increase the life of pneumatic tools.

- Filters out water and oil aerosols and dirt particulates to 5 microns.
- Ideal for most spray applications, air tools and equipment.
- Water droplets collected in the bowl are removed by an automatic drain (standard feature). No need to manually drain.

## Coalescer and Centrifugal/Coalescer Filter Units

| Part Number | Description                         | Inlet       | Outlet(s)   | Inlet Press. Max. | Outlet Press. Min. | Outlet Press. Max. |
|-------------|-------------------------------------|-------------|-------------|-------------------|--------------------|--------------------|
| HAF-508     | Coalescer filter unit               | 3/4" npt(f) | 3/4" npt(f) | 150 psi           | 0 psi              | 150 psi            |
| HAF-509     | Centrifugal & coalescer filter unit | 3/4" npt(f) | 3/4" npt(f) | 150 psi           | 0 psi              | 150 psi            |
| 41-28191    | Centrifugal & coalescer filter unit | 3/4" npt(f) | 1/2" npt(f) | 150 psi           | 0 psi              | 150 psi            |

# Air Supply Controls & Gauges

## Centrifugal Filter/Regulator Units

| Part Number | Capacity | Type                         | Gauge              | Dimensions                  | Repair Kit | Service Form |
|-------------|----------|------------------------------|--------------------|-----------------------------|------------|--------------|
| 849315      | 172 CFM  | Piggyback filter / regulator | GA-338 / 0-160 psi | n/a                         | 863023     | 876125       |
| HFRL-508    | 60 Plus  | In-line                      | GA-288 / 83-2727   | n/a                         | KK-4977    | SB-6-146     |
| HFRL-509    | 80 Plus  | In-line                      | GA-288 / 83-2727   | 10-3/4" wide x 17-3/4" high | KK-4977    | SB-6-148     |
| HFRL-511    | 120 Plus | In-line                      | GA-288 / 83-2727   | 12-1/2" wide x 17-1/2" high | KK-4977    | SB-6-148     |

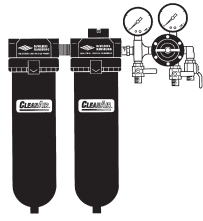
CleanAir coalescer filters remove water, dirt and oil from the system down to .01 micron. DeVilbiss coalescer filter units are designed with a quick-release bowl and spin-off element for filter changes without tools. In addition, a filter-change indicator alerts the operator when the element requires changing.

- Borosilicate glass microfiber filter is engineered for high flow, high efficiency, quick change and low pressure drop.
- Ideal for most spray applications, especially where oil aerosols may be a problem.
- Automatic bowl drain and 6' hose eliminate oil and water buildup (standard feature). No need to manually drain.

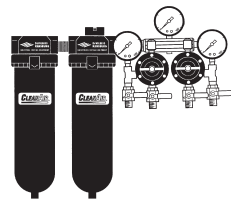
## Coalescer and Centrifugal/Coalescer Filter Units

| Part Number | Capacity | Type    | Gauge             | Dimensions                 | Repair Kit | Service Form |
|-------------|----------|---------|-------------------|----------------------------|------------|--------------|
| HAF-508     | 150 cfm  | In-line | None              | 4-1/2" wide x 13-3/4" high | KK-4977    | SB-6-148     |
| HAF-509     | 150 cfm  | In-line | None              | 9-1/2" wide x 13-3/4" high | KK-4977    | SB-6-148     |
| 41-28191    | 150 cfm  | In-line | GA-316, 0-150 psi | 19" wide x 13-3/4" high    |            | SB-6-148     |

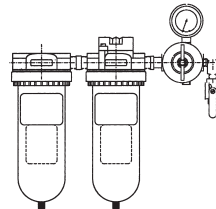
# Air Supply Controls & Gauges



HFRL-512



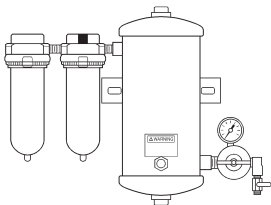
HFRL-513



HAF-518

## Centrifugal/Coalescer/Filter Regulator Units

| Part Number | Description                                     | Inlet       | Outlet(s)  | Inlet Press. Max. | Outlet Press. Min. | Outlet Press. Max. |
|-------------|---|-------------|--|-------------------|--------------------|--------------------|
| HFRL-512    | CENTRIFUGAL - coalescer - filter regulator unit | 3/4" npt(f) | 2ea 1/4" nps(m) regulated and 1, 1/4" nps(m) non-regulated | 150 psi           | 0 psi              | 150 psi            |
| HFRL-513    | CENTRIFUGAL - coalescer - filter regulator unit | 3/4" npt(f) | 4ea 1/4" nps(m) regulated                                  | 150 psi           | 0 psi              | 150 psi            |
| HAF-518     | CENTRIFUGAL - coalescer - filter regulator unit | 3/4" npt(f) | 1ea 1/4" nps(m) regulated                                  | 150 psi           | 0 psi              | 150 psi            |

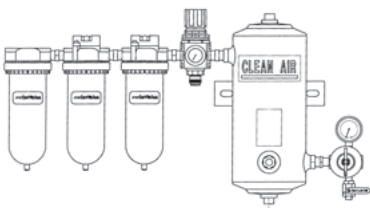


The three-stage desiccant unit provides the ultimate in clean dry air. First stage centrifugal filter removes particulates to 5 microns. Stage two coalescer filters down to .01 micron. Third stage desiccant removes remaining water vapor to a dew point of -40°F.

- Ideally suited for low to medium production.
- DAD-500 air-drying system includes three filtering units, as well as a wall mount bracket and desiccant filter change indicator.

## 3 Stage Desiccant Filter Unit

| Part Number | Description                 | Inlet       | Outlet(s)             | Inlet Press. Max. | Outlet Press. Min. | Outlet Press. Max. |
|-------------|-----------------------------|-------------|-----------------------|-------------------|--------------------|--------------------|
| DAD-500     | 3 Stage desiccant air dryer | 1/2" npt(f) | 1/4" nps(m) regulated | 150 psi           | 0 psi              | 150 psi            |



- Converts shop air into clean, dry, contaminant-free air for breathing systems and spray operations
- 5 micron particulate filter (Stage 1)

- .01 micron coalescing filter (Stage 2)
- Charcoal filter for hydrocarbon and odor removal (Stage 3)
- 28 cfm breathing air regulator

## 4 Stage Desiccant Filter Unit

| Part Number | Description                            | Inlet       | Outlet(s)  | Inlet Press. Max. | Outlet Press. Min. | Outlet Press. Max. |
|-------------|--|-------------|--|-------------------|--------------------|--------------------|
| DAD-503     | 4 Stage desiccant air dryer breathable | 1/2" npt(f) | 1/4" nps(m) regulated & breathable air outlet quick disconnect | 150 psi           | 0 psi              | 150 psi            |

# Air Supply Controls & Gauges

## Coalescer/Filter Regulator Units

| Part Number     | Capacity | Type    | Gauge               | Dimensions                  | Repair Kit | Service Form                 |
|-----------------|----------|---------|---------------------|-----------------------------|------------|------------------------------|
| <b>HFRL-512</b> | 80 Plus  | In-line | GA-372 / GA-373     | 15-3/4" wide x 17-3/4" high | KK-4977    | SB-6-145, SB-6-148           |
| <b>HFRL-513</b> | 120 Plus | In-line | GA-372 / 2ea GA-373 | 21" wide x 17-1/2" high     | KK-4977    | SB-6-145, SB-6-148           |
| <b>HAF-518</b>  | 55 cfm   | In-line | GA-288              | 23" wide x 22" high         | KK-4977    | SB-6-146, SB-6-152, SB-6-140 |

- Centrifugal and coalescer units include automatic bowl drain (standard feature). No need to manually drain.
- Coalescer filter includes filter change indicator.
- Desiccant filter includes sight glass indicator (Changes color when desiccant needs replacement).

## 3 Stage Desiccant Filter Unit

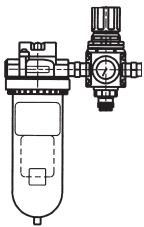
| Part Number    | Capacity | Type                     | Gauge  | Shipping Weight | Repair Kit | Service Form |
|----------------|----------|--------------------------|--------|-----------------|------------|--------------|
| <b>DAD-500</b> | 25 cfm   | Key / t-handle / in-line | GA-288 | 35 lbs          | KK-4977    | SB-6-156     |

- Desiccant system removes water vapor for spray gun (rated for 25 cfm maximum flow)
- 60 cfm spray gun regulator
- Automatic drains (Stages 1, 2 and 3)
- Can be used with up to four Air Vizors

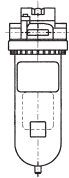
## 4 Stage Desiccant Filter Unit

| Part Number    | Capacity        | Type                     | Gauge           | Repair Kit            | Service Form |
|----------------|-----------------|--------------------------|-----------------|-----------------------|--------------|
| <b>DAD-503</b> | 25 cfm / 60 cfm | Key / t-handle / in-line | GA-288 / GA-316 | KK-5045 diaphragm kit | SB-6-159     |

# Air Supply Controls & Gauges



DAD-504

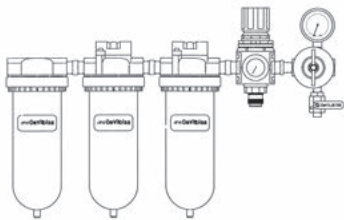


HAF-517

- Converts DAD-500 into a breathing air source
- Charcoal filter for hydrocarbon and odor removal
- 28 cfm breathing air regulator. Includes all necessary fittings
- Can be used with up to four DeVilbiss Air Vizors
- Automatic drain

## 1 Stage Charcoal Filter with Regulator

| Part Number | Description                               | Inlet       | Outlet(s)   | Inlet Press. Max. | Outlet Press. Min. | Outlet Press. Max. |
|-------------|---|-------------|-------------|-------------------|--------------------|--------------------|
| DAD-504     | 1 Stage charcoal filter and regulator kit | 1/2" npt(f) | 1/2" npt(m) | 150 psi           | 0 psi              | 150 psi            |
| HAF-517     | 1 Stage charcoal filter only              | 1/2" npt(f) | 1/2" npt(f) | 150 psi           | 0 psi              | 150 psi            |



- Converts shop air into clean, contaminant-free air for breathing systems and spray operations
- 5 micron particulate filter (Stage 1)
- .01 micron coalescing filter (Stage 2)
- Charcoal filter for hydrocarbon and odor removal (Stage 3)
- 28 cfm breathing air regulator
- 60 cfm spray gun regulator

## 3 Stage Breathing Air Filter with Regulators

| Part Number | Description                                  | Inlet       | Outlet(s)  | Inlet Press. Max. | Outlet Press. Min. | Outlet Press. Max. |
|-------------|--|-------------|--|-------------------|--------------------|--------------------|
| HAF-601     | 3 Stage breathing air filter with regulators | 1/2" npt(f) | 1/4" nps(m) & breathable air outlet quick disconnect | 150 psi           | 0 psi              | 150 psi            |



## A unique product in the finishing market

- FRC-650 All-In-One combines a filter, regulator and coalescer for shop air into one compact unit.
- Four 1/4" nps(m) ball valves with unrestricted air passages, (three regulated plus one unregulated outlet.)

## 2 Stage Filter/Regulator and Coalescer

| Part Number | Description                               | Inlet       | Outlet(s)                                    | Inlet Press. Max. | Outlet Press. Min. | Outlet Press. Max. |
|-------------|---|-------------|--|-------------------|--------------------|--------------------|
| FRC-650     | All in one – filter, regulator, coalescer | 1/2" npt(f) | 1/4" nps(m)<br>3 reg &<br>1 main line<br>air | 150 psi           | 0 psi              | 125 psi            |



# Air Supply Controls & Gauges

## 1 Stage Charcoal Filter with Regulator

| Part Number    | Capacity | Type           | Gauge  | Repair Kit | Service Form |
|----------------|----------|----------------|--------|------------|--------------|
| <b>DAD-504</b> | 28 cfm   | Knob / in-line | GA-316 | See lit    | SB-6-176     |
| <b>HAF-517</b> | 28 cfm   | N/A            | N/A    | N/A        | SB-6-176     |

- Automatic drains (Stages 1, 2 and 3)
- Wall-mount bracket
- Can be used with up to four Air Visors

## 3 Stage Breathing Air Filter with Regulators

| Part Number    | Capacity        | Type                      | Gauge           | Repair Kit | Service Form |
|----------------|-----------------|---------------------------|-----------------|------------|--------------|
| <b>HAF-601</b> | 28 cfm / 60 cfm | Knob / t-handle / in-line | GA-288 / GA-316 | See lit    | SB-6-132     |

- Ball valves inclined 45°—avoids kinking of hoses, which increases life span.
- Robust and durable.
- Solvent-resistant filter bowl and body is indispensable in the spray area.
- Solvent- and slip-resistant knob for easy air adjustment.
- Automatic drains at each stage eliminate water build-up—no need to manually drain.

## 2 Stage Filter/Regulator and Coalescer

| Part Number    | Capacity | Type | Gauge             | Repair Kit | Service Form |
|----------------|----------|------|-------------------|------------|--------------|
| <b>FRC-650</b> | 100 cfm  | Knob | FRC-012 / FRC-046 | K-4106/7/8 | SB-6-377     |

# Air Supply Controls & Gauges



HAF-6, HAF-15,  
HAF-28, HAF-36



HAF-38



## Filter Element Kits / Mounting Hardware Kits

| Filter Assy. Part Number | Filter Element Kit           | Mounting Hardware Kit Optional Parts | Service Form |
|--------------------------|------------------------------|--------------------------------------|--------------|
| DAD-500                  | HAF-6, HAF-28, DAD-1         | n/a                                  | SB-6-156     |
| DAD-503                  | HAF-6, HAF-28, HAF-36, DAD-1 | HAF-407                              | SB-6-159     |
| FRC-650                  | K-4106                       | K-4107                               | SB-6-377     |
| DAD-504                  | HAF-36                       | n/a                                  | SB-6-176     |
| HAF-502                  | HAF-6                        | HAF-407                              | SB-6-146     |
| HAF-503                  | HAF-15                       | HAF-408                              | SB-6-148     |
| HAF-505                  | HAF-28                       | n/a                                  | SB-6-152     |
| HAF-508                  | HAF-38                       | HAF-408                              | SB-6-148     |
| HAF-509                  | HAF-15, HAF-38               | HAF-408                              | SB-6-148     |
| HAF-601                  | HAF-6, HAF-28, HAF-36        | HAF-407                              | SB-6-132     |
| HFRL-508                 | HAF-6                        | HAF-407                              | SB-6-146     |
| HFRL-509                 | HAF-15                       | HAF-408                              | SB-6-148     |
| HFRL-511                 | HAF-15                       | HAF-408                              | SB-6-148     |
| HFRL-512                 | HAF-15, HAF-38               | HAF-408                              | SB-6-148     |
| HFRL-513                 | HAF-15, HAF-38               | HAF-408                              | SB-6-148     |
| 849303                   | 873209                       | 849305                               | 849303       |
| 849315                   | 863022                       | n/a                                  | 876125       |

## Air Vizor™ Breathable Air Systems & Filtration Units

| Order No. Model No. | Belt Regulator and Hood Assembly | Breathable Air Hose (30') | No. of Visor Covers Included | Filtration Unit Included | Filtration Description                             |
|---------------------|----------------------------------|---------------------------|------------------------------|--------------------------|--|
| MPV-625             | Yes                              | No                        | 2                            | None                     | —  |
| MPV-650             | Yes                              | Yes                       | 12                           | DAD-504                  | Desiccant Retrofit System                          |
| MPV-651             | Yes                              | Yes                       | 12                           | DAD-503                  | 3 Stage Filtration with Desiccant Air Dryer System |
| MPV-652             | Yes                              | Yes                       | 12                           | HAF-601                  | 3 Stage Filtration System                          |

\*Air Vizor™ requires proper air line filtration and carbon monoxide (CO) monitoring to complete an approved supplied air respirator. See descriptions at right for proper air line filtration.

A carbon monoxide (CO) monitor may be purchased locally or from ENMET Corporation: (734) 761-1270 (phone). Order form F-1073-C available from DeVilbiss upon request.



The filtration units above are only one part of a complete breathable air system. These must be combined with a supplied air respirator and Grade D breathable air. A carbon monoxide (CO) monitor must also be used.

# Air Supply Controls & Gauges


**GA-288**

**GA-385**

**849306**

## Air Pressure Gauges

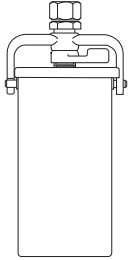
| Part No. | Capacity Pressure | Thread Size & Position |             | Notes   |
|----------|-------------------|------------------------|-------------|---|
|          |                   | Bottom                 | Back        |   |
| 59-299   | 15                |                        | 1/8" npt(m) | Panel mount, 1-1/2" diameter                                    |
| 83-1636  | 15                | 1/4" npt(m)            |             | 2-11/16" diameter   |
| GA-313   | 15                | 1/8" npt(m)            |             | 1-1/2" diameter   |
| 83-1414  | 30                | 1/4" npt(m)            |             | 2-1/2" diameter   |
| GA-73    | 30                | 1/4" npt(m)            |             | 2" diameter   |
| GA-355   | 30                | 1/8" npt(m)            |             | 1-1/2" diameter   |
| 59-369   | 60                |                        | 1/8" npt(m) | Panel mount, 1-1/2" diameter                                    |
| 85-70    | 60                | 1/8" npt(m)            |             | 1-5/8" diameter, replacement lens 85-130-5                      |
| 849314   | 60                |                        | 1/4" npt(m) | Used on Infinity regulator 849315                               |
| 83-1355  | 100               | 1/4" npt(m)            |             | Plated stem, 2-1/2" diameter                                    |
| 83-2727  | 100               | 1/4" npt(m)            |             | 83-2290 (Lens), 2-3/16" diameter                                |
| GA-385   | 100               |                        | 1/4" npt(m) | 2" diameter   |
| 83-1290  | 150               | 1/4" npt(m)            |             | Used on tanks, 2-1/2" diameter, replacement lens 83-2052        |
| GA-288   | 160               | 1/4" npt(m)            |             | 2" diameter   |
| GA-316   | 160               |                        | 1/4" npt(m) | 2" diameter   |
| GA-338   | 160               |                        | 1/8" npt(m) | 1-1/2" diameter (replacement gauge for 849315 filter regulator) |
| 83-2744  | 200               | 1/4" npt(m)            |             | 2-11/16" diameter   |
| 83-387   | 200               | 1/4" npt(m)            |             | 83-2052 (Lens), 2-1/2" diameter                                 |



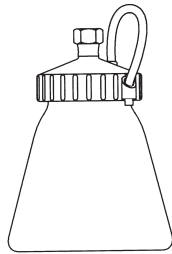
## Cups & Cup Accessories

|                                     |            |
|-------------------------------------|------------|
| <b>SIPHON CUPS</b>                  | <b>8-2</b> |
| <b>PRESSURE CUPS</b>                | <b>8-3</b> |
| <b>GRAVITY FEED CUPS</b>            | <b>8-4</b> |
| <b>REMOTE PRESSURE CUPS</b>         | <b>8-5</b> |
| <b>DEKUPS DISPOSABLE CUP SYSTEM</b> | <b>8-6</b> |
| <b>CUP ACCESSORIES</b>              | <b>8-8</b> |
| <b>CUP GASKETS</b>                  | <b>8-8</b> |

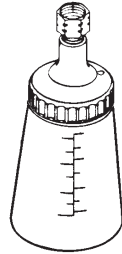
# Cups & Cup Accessories



81-540



81-384



TGS-503

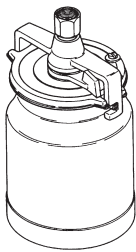


TGS-406

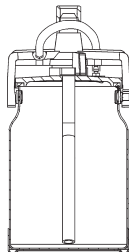
## Siphon Cups – 1/4" nps Thread For Touch-up Guns

| Part Number | Capacity | Wetted Materials | Type       | Notes                | Service Form |
|-------------|----------|------------------|------------|----------------------|--------------|
| 81-540      | 8 oz     | Aluminum         | Standard   |                      | 77-1261      |
| 81-384      | 8 oz     | Polyethylene     | Drip proof |                      | 77-2741      |
| TGS-503     | 8 oz     | Polyethylene     | Standard   |                      | SB-4-090     |
| TGS-406     | 8 oz     | Polyethylene     | Standard   | Storage cup with lid | n/a          |

NOTE: To use on full size spray guns, use adapter P-H-4105.



TGC-545, TLC-555,  
TSC-595



81-800, 81-810

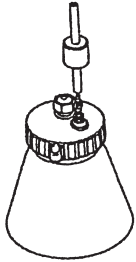


81-820

## Siphon Cups – 3/8" nps Thread For Full Size Guns

| Part Number | Capacity | Wetted Materials              | Type       | Guns Used With     | Service Form |
|-------------|----------|-------------------------------|------------|--------------------|--------------|
| TGC-545     | 1 qt     | Aluminum                      | Drip-free  | All full size guns | SB-4-391     |
| 81-800      | 1 qt     | Aluminum                      | Drip proof | All full size guns | 77-2794      |
| TLC-555     | 1 qt     | Aluminum w/ non-stick coating | Drip-free  | All full size guns | SB-4-391     |
| 81-810      | 1 qt     | Aluminum w/ non-stick coating | Drip proof | All full size guns | 77-2795      |
| TSC-595     | 1 qt     | Stainless steel               | Drip-free  | All full size guns | SB-4-395     |
| 81-820      | 1 qt     | Stainless steel               | Drip proof | All full size guns | 77-2821      |

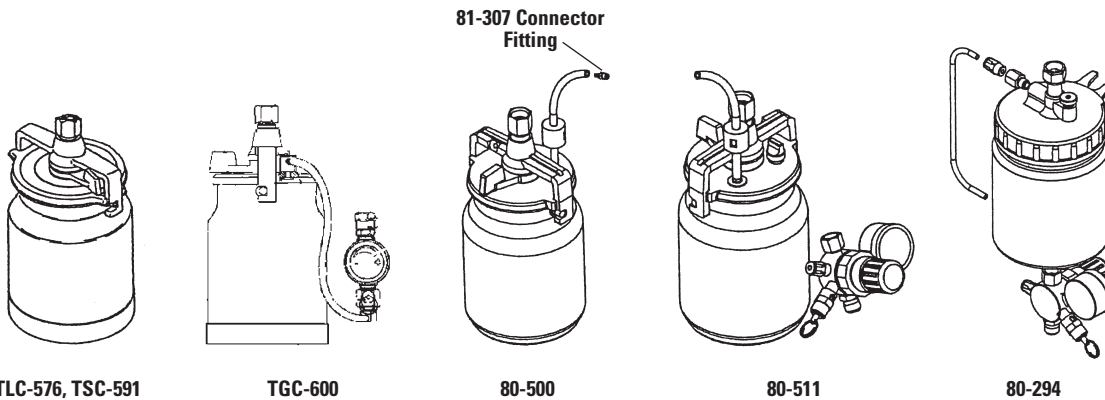
# Cups & Cup Accessories



81-382

## Pressure Cup (gun attached) – 1/4" nps Thread For Mach 1 Cub and CubSL only

| Part Number | Capacity | Wetted Materials | Max. Pressure | Guns Used With           | Service Form |
|-------------|----------|------------------|---------------|--------------------------|--------------|
| 81-382      | 8 oz     | Polyethylene     | 10 psi        | MACH 1 Cub & Cub SL only | 77-2724      |



TLC-576, TSC-591

TGC-600

80-500

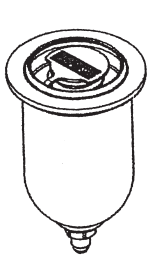
80-511

80-294

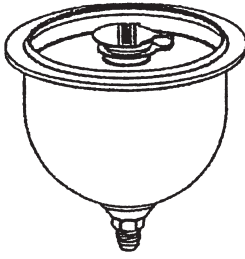
## Pressure Cups (gun attached) – 3/8" nps Thread For Full Size Guns

| Part Number | Capacity | Wetted Materials              | Max. Pressure | Notes   | Service Form |
|-------------|----------|-------------------------------|---------------|---|--------------|
| TLC-576     | 1 qt     | Aluminum w/ non-stick coating | 20 psi        | Requires KK-4980  | SB-4-367     |
| TGC-600     | 1 qt     | Aluminum                      | 20 psi        | Includes KK-4980  | SB-4-367     |
| TSC-591     | 1 qt     | Stainless steel               | 20 psi        | Requires KK-4980  | SB-4-367     |
| 80-500      | 1 qt     | Stainless steel               | 20 psi        | Includes short tube (MACH 1 & MACH 1SL only) and 81-507 connector fitting | 77-2820      |
| 80-510      | 1 qt     | Stainless steel               | 15 psi        | Includes long tube (requires 85-435 regulator)                            | 77-2820      |
| 80-511      | 1 qt     | Stainless steel               | 15 psi        | Includes long tube, 85-435 regulator                                      | 77-2820      |
| 80-294      | 1 qt     | Aluminum                      | 50 psi max    | Includes tube, 85-445 regulator   | 77-2822      |

# Cups & Cup Accessories



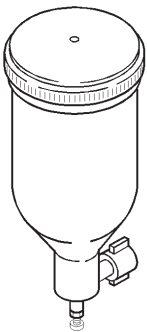
54-4458



81-381

## Gravity Feed Cups – 7/16" -14 (m) Thread for Touch-up Guns

| Part Number | Capacity      | Wetted Materials   | Service Form |
|-------------|---------------|--------------------|--------------|
| 54-4458     | 4 oz / 120 ml | Aluminum           | 77-2719      |
| SRI-478-K12 | 4 oz / 120 ml | Nylon (disopsable) | SB-2-525     |
| SRI-510     | 4 oz / 120 ml | Acetal             | SB-2-525     |
| 81-381      | 8 oz / 240 ml | Aluminum           | 77-2739      |



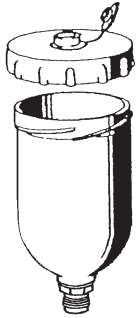
TGHV-415

## Gravity Feed Cup – 1/4" -19 bsp (f) Swivel (For TGHV-635 Gun Only)

| Part Number | Capacity      | Wetted Materials | Service Form |
|-------------|---------------|------------------|--------------|
| TGHV-415    | 8 oz / 240 ml | Stainless steel  | SB-2-192     |



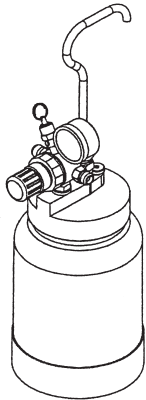
# Cups & Cup Accessories



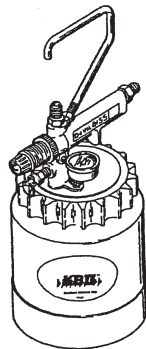
GFC-501

## Gravity Feed Cups – 3/8" -19 bsp (m) Thread For Full Size Guns

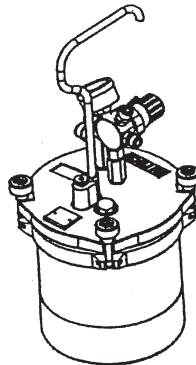
| Part Number | Capacity        | Wetted Materials              | Guns Used With                                | Service Form |
|-------------|-----------------|-------------------------------|---|--------------|
| KGP-509-1   | 8 oz / 240 ml   | Nylon                         | EXL, M1-G, FLG-2, FLG-3, Compact, 95G, SV-100 | SB-4-042     |
| GFC-501     | 20 oz / 590 ml  | Acetal, plated brass fittings | EXL, M1-G, FLG-2, FLG-3, Compact, 95G, SV-100 | SB-4-261     |
| GFC-502     | 34 oz / 1 Liter | Aluminum                      | EXL, M1-G, FLG-2, FLG-3, Compact, 95G, SV-100 | SB-4-043     |
| 54-4720     | 34 oz / 1 Liter | Aluminum                      | EXL, M1-G, FLG-2, FLG-3, Compact, 95G, SV-100 | SBBI-4-043   |



80-295



KB-555, KB-545-SS



80-600, 80-601, 80-651

## Pressure Cups (remote from gun)

| Part Number | Capacity          | Wetted Materials           | Max. Working Pressure | Notes  | Service Form |
|-------------|-------------------|----------------------------|-----------------------|--|--------------|
| 80-295      | 2 Quart / 1895 ml | Aluminum                   | 50 psi                | Single regulator (fluid pressure)                            | 77-2823      |
| KB-555      | 2 Quart / 1895 ml | Aluminum                   | 50 psi                | Single regulator (fluid pressure)                            | SB-4-205     |
| 80-600      | 2 Quart / 1895 ml | Aluminum & stainless steel | 50 psi                | Single regulator (fluid pressure)                            | 77-2841      |
| KB-545-SS   | 2 Quart / 1895 ml | Stainless steel            | 50 psi                | Single regulator (fluid pressure)                            | SB-4-205     |
| 80-601      | 2 Quart / 1895 ml | Aluminum & stainless steel | 50 psi                | Single regulator (fluid pressure), oscillating agitator      | 77-2841      |
| 80-651      | 2 Quart / 1895 ml | Aluminum & stainless steel | 50 psi                | Single regulator (fluid pressure) and rotary agitator w/reg. | 77-2842      |

# Cups & Cup Accessories

## DeKups Disposable Cup System

### CUP SYSTEMS

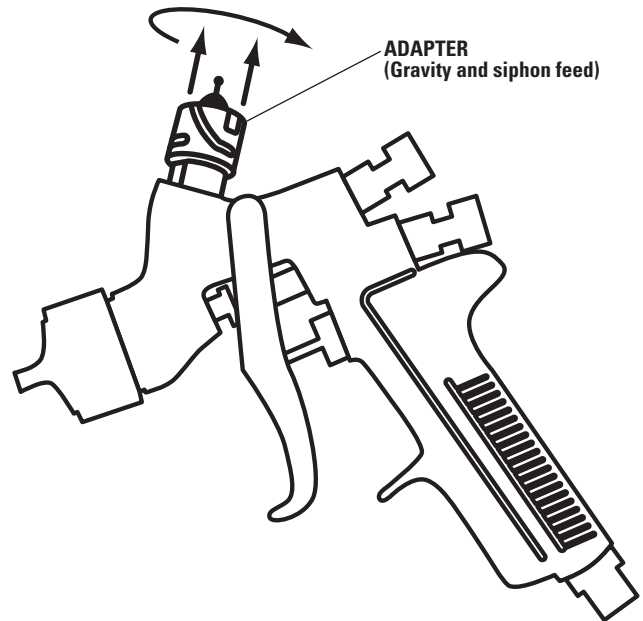
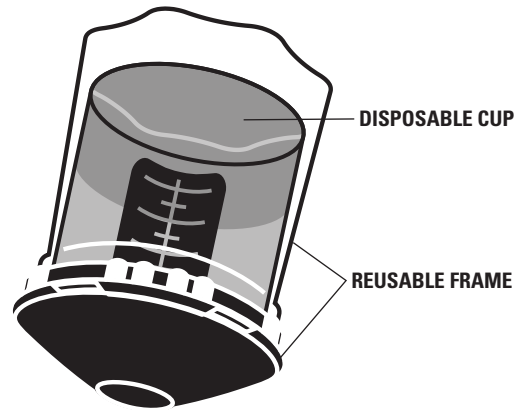
| Part Number | Description           | Notes     |
|-------------|-----------------------|-----------|
| DPC-607     | Reusable frame, 9 oz  | Kit of 2  |
| DPC-606     | Reusable frame, 24 oz | Kit of 2  |
| DPC-608     | Reusable frame, 34 oz | Kit of 2  |
| DPC-602     | Disposable cup, 9 oz  | Kit of 32 |
| DPC-601     | Disposable cup, 24 oz | Kit of 32 |
| DPC-600     | Disposable cup, 34 oz | Kit of 32 |

### GRAVITY ADAPTERS

| Part Number | Compatible Spray Gun                      |
|-------------|---|
| DPC-31      | Compact, JGA, EXL, FLG, M1-G, 95-G, SV100 |
| DPC-23      | SRI, Cub SLG, Compact Mini                |
| DPC-10      | SV50 Full Size, Graco Finex               |
| DPC-64      | SV50 Touch Up                             |
| DPC-43      | Graco® XT, Graco GT                       |
| DPC-77      | Graco® AirPro                             |
| DPC-78      | Kremlin® Guns                             |

### SIPHON FEED ADAPTERS

| Part Number | Compatible Spray Gun                              |
|-------------|---|
| DPC-79-K1   | Siphon: Mach 1 Cub, Mach 1 Cub SL, EGA, EGHV, 115 |
| DPC-69-K1   | Siphon Conversion Adapter (full size guns)        |
| DPC-500     | Converter for 3M® Adapters                        |



U.S. Patent numbers 6,820,824 and 7,374,111 owned by 3M Innovation Properties Co.

Additional U.S. Patents: Nos. 7,380,680; 7,354,074; 7,353,964; 7,350,418; 7,344,040; 7,263,893; 7,165,732; 7,086,549.

# Cups & Cup Accessories

## DeKups Disposable Cup System

### BETTER FLUID FLOW FOR GREAT COLOR MATCH

The DeKups liner features high collapsibility, so all the paint is moved through the gun and onto the job. Save time and money, increase productivity, and waste less paint.

### POSITIVE LOCKING LID

The reusable DeKups lid locks firmly into place and will not come detached from the gun while in use. No messy accidents.

### REFILL WITHOUT OPENING THE CUP LID

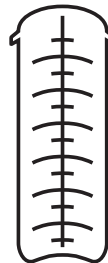
Patented self-venting funnels allow a painter to refill without opening the cup lid. No mess on the bench during the refill process saves clean-up time, wasted paint, and money.

### SELF-DISPENSING PACKAGING

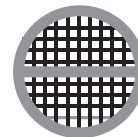
The versatile dispensers mount conveniently on the wall so you can put them wherever you like. No space restrictions, no need to refill bins. Each cup and lid dispenses separately for less hassle. Save time and space.

### LARGER VOLUMES

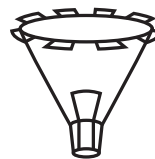
DeKups offers 9–50 percent more cup volume—which means less refills. With three different cup sizes, you can size the cup to the job, wasting less paint, saving more money.



DPC-60-K10,  
DPC-59-K10,  
DPC-61-K10



DPC-65-K24, DPC-42-K24,  
DPC-67-K24, DPC-66-K24



DPC-22-K24



DPC-6-K10



DPC-44

### ACCESSORIES

| Part Number | Description                           | Notes     |
|-------------|---------------------------------------|-----------|
| DPC-60-K10  | Measuring Guide 9 oz                  | Kit of 10 |
| DPC-59-K10  | Measuring Guide 24 oz                 | Kit of 10 |
| DPC-61-K10  | Measuring Guide 34 oz                 | Kit of 10 |
| DPC-65-K24  | Disk Filters 125 micron 9 oz          | Kit of 24 |
| DPC-42-K24  | Disk Filters 125 micron 24 oz & 34 oz | Kit of 24 |
| DPC-67-K24  | Disk Filters 200 micron 9 oz          | Kit of 24 |
| DPC-66-K24  | Disk Filters 200 micron 24 oz & 34 oz | Kit of 24 |
| DPC-22-K24  | Disposable Funnels                    | Kit of 24 |
| DPC-6-K10   | Orange Plugs                          | Kit of 10 |
| DPC-44      | Cleaning Brush                        | Each      |

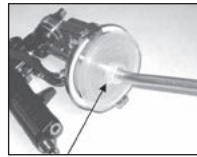
# Cups & Cup Accessories



TGS-406



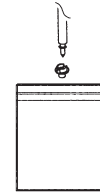
149-278



KR-115-K5



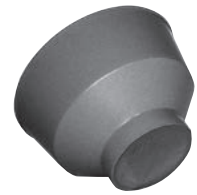
KK-5051



OMX-70-K48



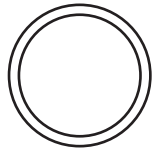
KGP-5-K5



81-82, 81-83, 81-84

## Cup Accessories

| Part Number | Description                             | Notes                               |
|-------------|---|-------------------------------------|
| TGS-406     | Storage cup with lid                    | Compatible with TGS-503 suction cup |
| 149-278     | Siphon/suction cup inlet screen 50 mesh | Fits on p/u tube, 10 Per box        |
| KR-115-K5   | Diaphragm lid protector                 | Prevents cup leaks, package of 5    |
| KK-5051     | KB cup liners 20/pkg                    | For KB-545-SS & KB-555 2 qt cups    |
| OMX-70-K48  | Gravity cup liners & bushings           | Fits most 1 qt & 1 liter cups       |
| KGP-5-K5    | Gravity cup strainers 50 mesh,          | Package of 5                        |
| 81-82       | 145 Mesh 1 quart cup strainers          | Approximately 100 micron, box of 5  |
| 81-83       | 100 Mesh 1 quart cup strainers          | Approximately 149 micron, box of 5  |
| 81-84       | 80 Mesh 1 quart cup strainers           | Approximately 177 micron, box of 5  |
| 80-356      | Semi-rigid liners                       | For Binks SG2 cups, box of 12       |



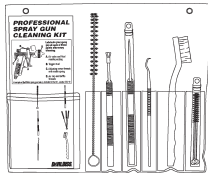
## Cup Gaskets

| Part Number | Cup Model  | Gasket Material              | Notes        |
|-------------|--|------------------------------|--------------|
| KGP-13-K5   | Gravity feed cups with 3/8" -19 bsp(m) threads                   | PTFE                         | Package of 5 |
| KB-80-K5    | KB-545SS and KB-545  | Sarlink                      | Package of 5 |
| TGC-9-K5    | TGC, TLC, TSC, 81-800, 81-810, 81-820, 81-500, 81-510 and 81-511 | Tri-Seal                     | Package of 5 |
| 55-30       | 81-540   | Leather                      | Each         |
| TGS-4-K5    | TGS-503  | Tri-Seal                     | Package of 5 |
| 80-11-5     | 80-294 and 80-295  | Tri-Seal                     | Package of 5 |
| 80-506-K5   | TGC, TLC, TSC, 81-800, 81-810, 81-820, 81-500, 81-510 and 81-511 | X-1232 (proprietary formula) | Package of 5 |
| 80-392      | 80-600, 80-601, 80-651, 80-350, 80-351 and 80-451                | EPDM                         | Each         |

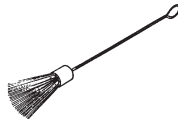
## **Spray Gun Accessories & Misc. Products**

|   |            |
|---|------------|
| <b>SPRAY GUN CLEANING KITS, BRUSHES &amp; TOOLS</b> | <b>9-2</b> |
| <b>SOLVENT SAVER (HOSE GUN CLEANER)</b>             | <b>9-3</b> |
| <b>SPRAY GUN &amp; PUMP LUBRICANTS / FLUIDS</b>     | <b>9-3</b> |
| <b>SPRAY GUN ACCESSORIES</b>                        | <b>9-4</b> |
| <b>SPRAY GUN STANDS (GRAVITY FEED GUNS)</b>         | <b>9-6</b> |
| <b>MISC. PRODUCTS</b>                               | <b>9-6</b> |

# Spray Gun Accessories & Misc. Products



192212



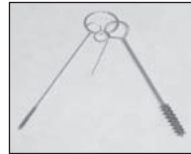
OMX-88



42884-215-K10



42884-214-K5



KK-5060



DPC-44



WR-103

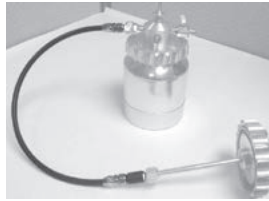
## Spray Gun Cleaning Kits, Brushes & Tools

| Part Number   | Description  | Notes  |
|---------------|--|--|
| 192212        | Professional spray gun cleaning kit                  | Works for all guns   |
| 54-4994       | Gun cleaning kit                                     | Includes: wire tool tip cleaner, 1/4" dia round brush, flat brush            |
| OMX-88        | Flat brush   | Cleaning brush (semi-rigid)  |
| 54-4133       | 1/4" Dia round brush                                 | For cleaning of air & fluid passages   |
| 82-469        | 5/8" Dia round brush                                 | For cleaning of air & fluid passages   |
| 42884-215-K10 | 5/8" Dia spiral brush                                | Package of 10, for cleaning of air & fluid passages                          |
| 42884-214-K5  | 3/8" Dia spiral brush                                | Package of 5, for cleaning of air & fluid passages                           |
| DPC-44        | Cleaning brush (DeKups)                              | For funnels, cups & spray gun passages                                       |
| KK-5060       | Air cap cleaning kit                                 | Includes: wire tool, 1/4" diameter spiral brush, 3/32" diameter spiral brush |
| 237-707       | 1-80 mil wet film mil gauge                          |  |
| 5-476         | Gun wrench (2100, 21 and 2001)                       |  |
| 54-4213       | Gun wrench (95, 95SL and 95A)                        |  |
| 54-3918       | Gun wrench (Mach 1, Mach 1SL and MI-G)               |  |
| 73-165        | 11/32" Hex key wrench (7, 18, 2001 gun head removal) |  |
| 20-2002       | 1/8" Hex key for 7D and 7E2 needles                  |  |
| 20-1576       | 3/16" Hex key for 43P gun                            |  |
| WR-103        | Gun wrench (DeVilbiss spray guns)                    | For fluid tips, fittings & bushings  |
| SPN-5         | Gun wrench (Compact series)                          |  |
| SRI-50-K2     | Gun wrench (SRI)                                     |  |
| 54-1634       | Tip Cleaning Needle                                  |  |

# Spray Gun Accessories & Misc. Products



HD-503, 83GZ-5200



KK-5052  
(Lid & cup not included)

## Solvent Saver (Hose Gun Cleaner)

| Part Number | Description                  | Notes                              |
|-------------|------------------------------|------------------------------------|
| 183GZ-5200  | Solvent saver                | 2 Gallons                          |
| HD-503      | Hose/gun cleaner             | 2 Quarts                           |
| KK-5052     | Adapter fitting and hose kit | For solvent saver & KB series cups |



863009, 42-175, 207-11155, 863020



SSL-10-K12



6-429



0114-009433, 0114-014871

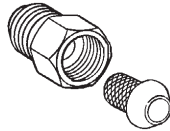
## Spray Gun & Pump Lubricants / Fluids

| Part Number | Description  |
|-------------|--|
| 41-3134     | Binks Pump Purge, case of 12                                   |
| 41-4458-K   | PTFE grease (Magna Lube) .75 oz. tube                          |
| 44-285      | 14 oz. grease cartridge – fits standard grease guns            |
| 863009      | Wet-Sol upper pump packing lubricant 1 quart                   |
| 42-175      | Pump packing lubricant 1 quart                                 |
| 863020      | Air line lubricant 1 quart                                     |
| 207-11155-1 | Air motor lubricant 2 oz                                       |
| 207-11155-2 | Air motor lubricant 16 oz                                      |
| 0114-009433 | Pump packing lube for solvent based materials, MX series pumps |
| 0114-014871 | Pump packing lube for water based materials, MX series pumps   |
| SSL-10-K12  | Devilbiss gun lube 12 ea 2 oz bottles                          |
| 6-429       | Binks Gunners Mate gun lube 20 ea 2 oz bottles                 |

# Spray Gun Accessories & Misc. Products



JGA-957, 54-957



PLH-MF-6-100



VS-531



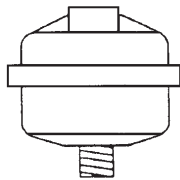
54-990, 54-981



54-2831



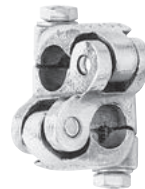
GC-100-K4, GC-100-K48



HAF-507-K12



AGA-414



AGA-415



54-380

## Spray Gun Accessories

| Part Number  | Description   |
|--------------|---|
| JGA-444      | Fluid tube (JGA spray guns)                                       |
| VS-532       | Fluid Tube w/ inlet strainer (JGA spray guns)                     |
| 54-957       | Fluid inlet tube (95, 95SL, Mach 1, Mach 1SL, 2001)               |
| PLH-MF-6-100 | S.S. fluid strainer assembly, 100 mesh, 3/8" nps(m) x 3/8" nps(f) |
| VS-531       | Fluid inlet strainer, 100 mesh                                    |
| 54-990       | Fluid inlet strainer, 100 mesh                                    |
| 54-981       | Fluid inlet strainer, 150 mesh                                    |
| 54-2831      | Striping spray shield (replaces 54-372 ring)                      |
| GC-100-K4    | Gun covers for manual spray guns (4/pkg.)                         |
| GC-100-K48   | Gun covers for manual spray guns (48/pkg.)                        |
| HAF-507-K12  | Whirlwind air filter gun mount (12/pkg.)                          |
| AGA-414      | Gun mounting stud/rod (automatic spray guns)                      |
| AGA-415      | Universal clamp (automatic spray guns)                            |
| 54-380       | Gun bracket (automatic spray guns)                                |



# Spray Gun Accessories & Misc. Products



HAV-500



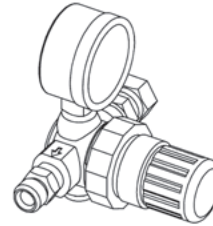
HAV-501



P-H-5516



HARG-510

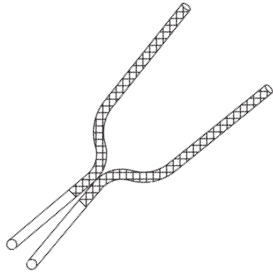


85-441

## Spray Gun Accessories

| Part Number | Type      | Inlet Size | Outlet Size | W or W/O Gauge Assy. | Max. Working Pressure | Recommended Range | Service Form |
|-------------|-----------|------------|-------------|----------------------|-----------------------|-------------------|--------------|
| 873409      | Straight  | 1/4"npt(f) | 1/4"npt(f)  | W/O                  | 100 psi               | 0-100 psi         | n/a          |
| HAV-500     | Straight  | 1/4"nps(m) | 1/4"nps(f)  | W/O                  | 125 psi               | 0-125 psi         | SB-11-119    |
| HAV-501     | Straight  | 1/4"nps(m) | 1/4"nps(f)  | W / Gauge            | 125 psi               | 0-125 psi         | SB-11-119    |
| 73-159      | 90 Degree | 1/4"nps(m) | 1/4"nps(f)  | W/O                  | 250 psi               | 0-125 psi         | n/a          |
| P-H-5516    | 45 Degree | 1/4"nps(m) | 1/4"nps(f)  | W/O                  | 250 psi               | 0-125 psi         | SB-11-119    |
| HARG-510    | Regulator | 1/4"nps(m) | 1/4"nps(f)  | W / Gauge            | 300 psi               | 0-160 psi         | SB-6-105     |
| 85-441      | Regulator | 1/4"nps(f) | 1/4"nps(m)  | W / Gauge            | 300 psi               | 0-50 psi          | 77-2825      |

# Spray Gun Accessories & Misc. Products



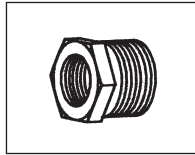
192219

## Spray Gun Stands (Gravity Feed Guns)

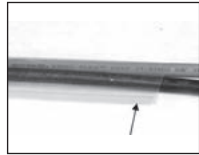
| Part Number | Description | Notes      |
|-------------|-------------|------------|
| 192219      | Gun holder  | Wall mount |



6580-0000-1



49-1834



MSVAD-416, SSP-5034

## Misc. Products

| Part Number | Description  |
|-------------|--|
| 6580-0000-1 | Model 190 dusting gun with 60-40 nozzle  |
| 6580-6041-0 | Model 190 dusting gun with 60-41 nozzle extension 5-1/2" long  |
| 49-1834     | Adapter fitting 3/4" -20 female x 7/8" -14 male (F thread to G thread) used to convert typical threads for tip extensions, tip bases, etc. |
| MSVAD-416   | Polyethylene hose sleeve, 100 ft   |
| 54-1439     | Tip seal – use with 49-1839 adapter  |
| 41-661      | 5 gallon steel pail  |
| SSP-5034    | Polyethylene hose sleeve per foot  |





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