

DIRECT DRIVE PUMP (DDP)

DELIVERS PRECISE FLUID REGULATION

DESCRIPTION

The Ransburg DDP, Direct Drive Pump, provides an extremely accurate, repeatable means of supplying coating material to the applicator. Compatible with a wide variety of solvent and waterborne coating materials, the DDP offers a broad range of options to meet your system's operating needs.

The DDP's AC-motor drives the system's gear pump via an isolated shaft. The positive displacement of the gear pump delivers a given amount of material based on the speed (rpm) of the motor. Digital controls provide variance in speed for a precise, consistent finish. The gear pump can be gravity or suction fed, if wetted/primed, and the output has the ability to connect either directly to the applicator or routed through a three-way valve, if continuous circulation is required.

Built with an explosion proof motor, the DDP system can be conveniently located anywhere within the spray area. The operator regulates the flow rate as well as the start/stop function either locally or at a remote station. These user-friendly controls deliver convenience as well as an accurate, even finish.



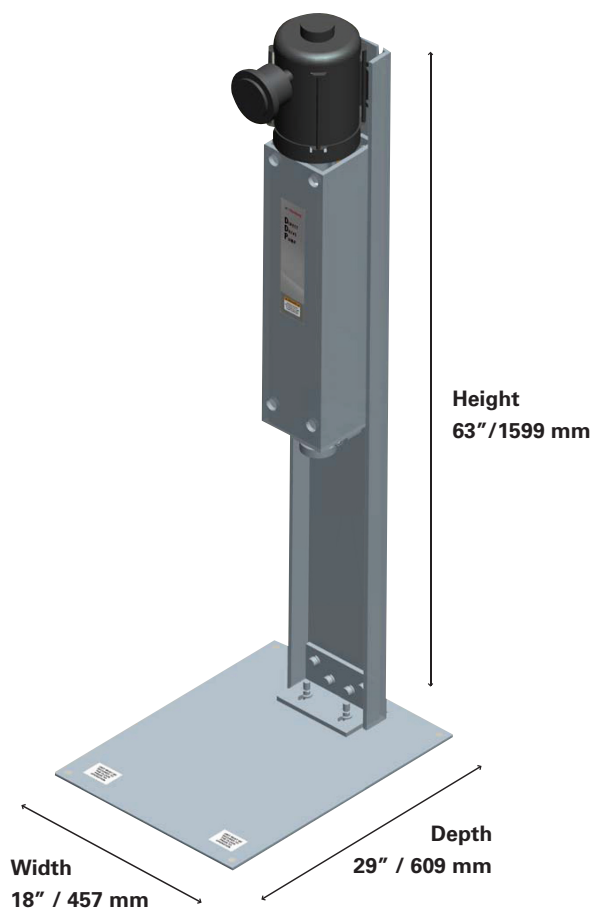
FEATURES AND BENEFITS

- **Superior Performance...**achieves stable repeatable flows under varying conditions including temperature, viscosity and pressure
- **Uniform Metered Flow...**virtually pulseless flow, without valves or flexible elements that add complexity and increase cost
- **Minimal Maintenance...**fewer moving parts to minimize wear and tear
- **Rugged, Durable Design...**through hardened, abrasion resistant materials provide excellent self-lubrication for corrosion resistance
- **Explosion Proof Start/Stop And Speed Control Station...**simple, easy to use controls provide a precise, consistent finish
- **Remote Explosion Proof Controls...**provides operator protection and convenience
- **Optional Peristaltic Pump...**ideal for corrosive or abrasive materials
- **Display Motor...**can be configured/sealed to show fluid flow rate based on gear pump displacement
- **Isolated Gear Pump...**provides flexibility for solvent or waterbase materials
- **Versatile Pumping...**optional solvent and waterborne pumps available

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SPECIFICATIONS:

Power Input:	Controller – 230 VAC (+/-20%), 50/60 Hertz. Requires 20 amp fuse disconnect
Motor Speed:	57 rpm (min), 1725 rpm (max.)
Pump Speed:	30 – 900 rpm (dependent on pump type)
Fluid Delivery:	20 – 900 cc/min (dependent on pump)
Motor:	UL listed, CSA certified, explosion proof Class I groups C&D, Class 2 groups F&G, constant torque 1000:1 rated 1/2 hp 1800 rpm max
Height	63" / 159.9 cm
Width	18" / 457 mm
Depth	29" / 609 mm



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