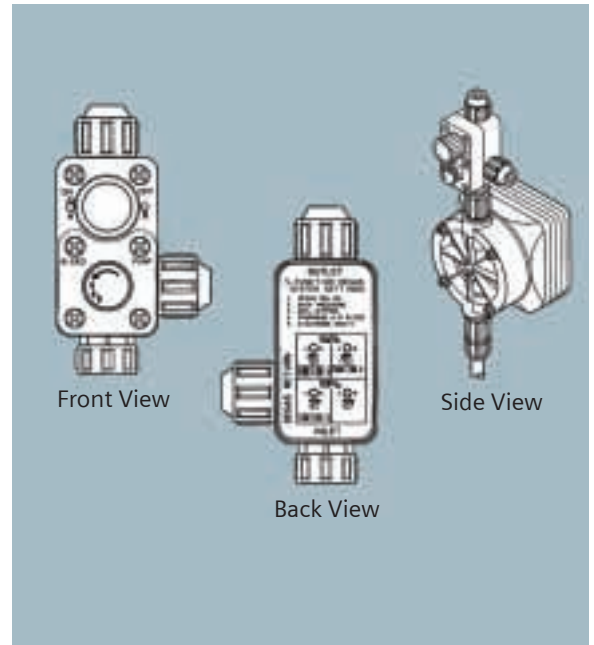


Wallace & Tiernan® Liquid Feed Systems Premia® 75 Solenoid Metering Pump Five Function Valve with De-Gas

With the Five Function Valve with De-Gas, the accuracy and control of a solenoid metering pump do not have to be sacrificed in order to pump gaseous solutions. Available in a variety of materials and popular sizes, the DG/5FV is ready to tackle most applications. Not only does the valve provide degassing, it is packed with features that increase safety, enhance performance, and generally improve the convenience of operation.

Features

- De-Gas - Bypass gasses and fluid during normal pump operation. Allows for the constant removal of gases that would otherwise "air bind" the pump.
- Back Pressure - Maintains output reproducibility and allows metering into atmospheric discharge.
- Anti-Siphon - Prevents siphoning through the pump when point of injection is lower than the pump or into the suction line of another pump. Rated at total vacuum.
- Air Bleed - Used during priming to manually remove air from the pump head.
- Discharge Drain - Depressurize pump discharge line without loosening tubing or fillings. Protects the operator from chemical exposure.



Product Sheet

Specifications

Materials of Construction:

Valve Body: Polyvinylidene Fluoride (PVDF)

Diaphragm: Teflon®-faced Hypalon®

O-Rings: Viton® or Hypalon®

Hardware: 188 S.S. (recessed)

Maximum Flow: 240 GPD

Minimum Flow: 3 GPD

Maximum Viscosity: 1000 CPS

MAX Pressure Ratings: Up to 17 bar (250 psi)

Note: Degas/bypass volume is adjustable, typically 1-10% of pump output.

Connections:

1/4" (0.635 cm) Male NPT

1/3" (1.27 cm) OD tubing

3/8" (0.95 cm) OD tubing

All ports (input, output, and bypass) on the selected valve will be the same.

Note: See WT.460.150.106.UA.CN for dimensions.

Operation

The functions are selected by setting two independent, dual-position selector knobs. The label on the back panel of the valve identifies each function with selector knob positions.

The De-Gas Five Function Valve is compatible with most Premia® 75 series pumps. Connected to the existing discharge valve, it is capable of handling a large output flow as well as viscous liquids. A return port located on the side body provides flow of chemical back to the solution tank when in the de-gas, air bleed, or drain discharge mode.

Description		Part No.
Five Function De-Gas Valve, PVDF, 250 PSI	3/8" OD Tubing Connection, Viton O-Ring	AAB6131
	1/4" MNPT Connection, Viton O-Ring	AAB6134
	1/2" OD Tubing Connection, Viton O-Ring	AAB6137
	3/8" OD Tubing Connection, Hypalon O-Ring	AAB6140
	1/4" MNPT Connection, Hypalon O-Ring	AAB6143
	1/2" OD Tubing, Hypalon O-Ring	AAB6146

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