

Accessories

DG/5FV Five Function Valve with De-Gas

With the DG/5FV you don't have to give up the accuracy and control of a solenoid metering pump in order to pump gaseous solutions. Available in popular sizes, the DG/5FV is ready to tackle most applications. Not only does the DG/5FV provide degassing, it is packed with features that increase safety, enhance performance and generally improves the convenience of operation.

FEATURES

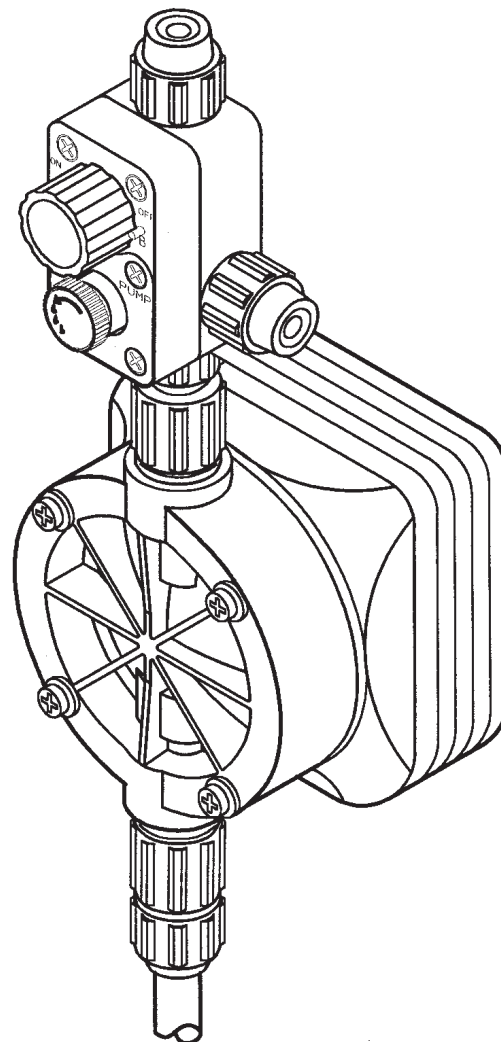
- De-Gas – Bypass gasses and fluid during normal pump operation. Allows for the constant removal of gases that would otherwise “air bind” the pump.
- Back Pressure – Maintains output reproducibility and allows metering into atmospheric discharge.
- Anti-Siphon – Prevents siphoning through the pump when 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 fittings. Protects the operator from chemical exposure.

SPECIFICATIONS

Material Of Construction:

Valve Body	Polyvinylidene Flouride (PVDF)
Diaphragm	Teflon faced Hypalon
O-Rings	Viton or Hypalon
Hardware	188 Stainless Steel (recessed)

Maximum Flow:	240 GPD (37.85 LPH)
Minimum Flow:	3 GPD (.47 LPH)
Maximum Viscosity:	1000 CPS
MAX Pressure Ratings:	Up to 250 psi (17 BAR)



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

Connections: 1/4" (0.635 cm) Male NPT
1/2" (1.27 cm) OD tubing
3/8" (0.95 cm) OD tubing

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

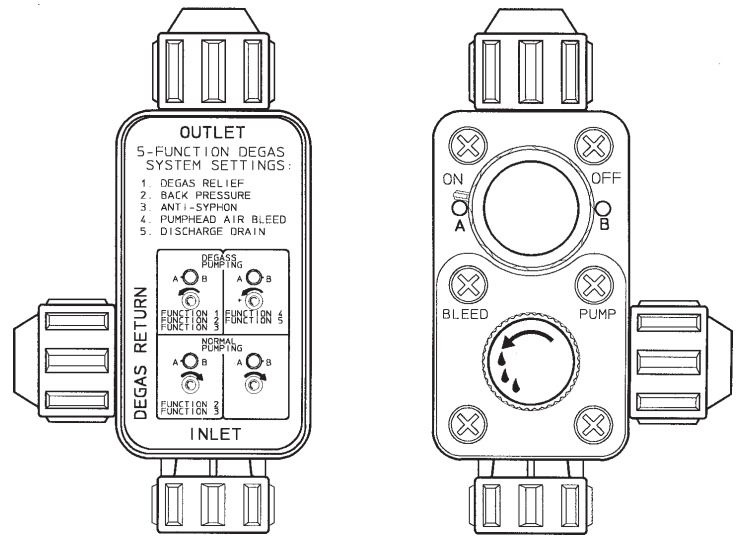
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DG/5FV Model Structure

OPERATION

The functions are selected by setting two, independent dual position selector knobs. The label on the back panel of the DG/5FV identifies each function with selector knob positions.

The DG/5FV is compatible with most PULSAtron, and Chem-Tech Series pumps. Connected to the existing discharge valve the DG/5FV 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 degas, air bleed or drain discharge mode.



BACK VIEW

FRONT VIEW

ORDERING INFORMATION

Build the model number by selecting the options and substituting the identifiers in place of the “xx” in the diagram below. Please note a complete model number is required when placing an order for this item.

L385 XX XX - XXX

	<u>Code</u>	<u>Description</u>
	PVD	Polyvinylidene Flouride (PVDF)
	01	3/8" (0.95 cm) OD Tubing Connection
	02	1/4" (0.635 cm) Male MNPT Connection
	03	1/2" (1.27 cm) OD Tubing Connection
	KV	Viton O-rings
	KH	Hypalon O-rings



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