

# 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:

<b>Valve Body</b>	Polyvinylidene Flouride (PVDF)
<b>Diaphragm</b>	PTFE faced Hypalon
<b>O-Rings</b>	Viton or Hypalon
<b>Hardware</b>	188 Stainless Steel (recessed)

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

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

**Connections:** ¼" (0.635 cm) Male NPT  
½" (1.27 cm) OD tubing  
¾" (0.95 cm) OD tubing

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



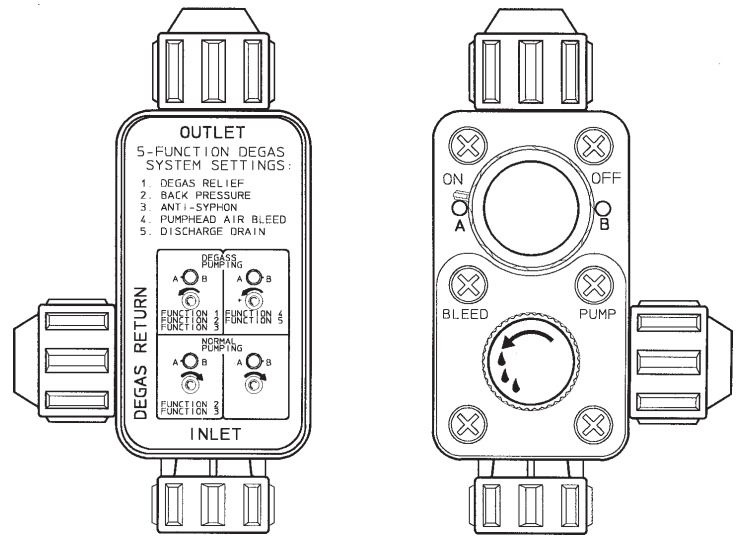
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# DG/5FV Model Structure

## 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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