PLAST-O-MATIC

PRODUCT DATA

DEGASSING VALVE FOR CONTINUOUS AUTOMATIC VENTING

All Plastic Design • United States Patent #7,481,238 B2



FEATURES:

- Reduces replacement costs – no internal or external metal components; ideal for aggressive environments.
- Placed at the high point of a piping system, this innovative valve will vent gas as it occurs. A unique float/actuating lever allows the vent orifice to open when gas is present. After gas vents, liquid forces the vent to close. Whenever gas accumulates, the valve will re-open until the gas is vented.
- All-plastic construction designed for sodium hypochlorite, ozone systems, or any liquids prone to outgassing.
- Series DGV is designed for systems that continuously generate trace amounts of gasses. For system start-up requiring rapid expulsion of larger volume of air or gasses, see Series ARV.

INSTALLATION NOTES:

Series DGV should be installed at the highest possible point in a piping system, and it must be oriented upright. In normal operation, residual liquid and/or vapor in the valve will be expelled or "spit" from the outlet vent. Therefore, it is recommended to pipe the outlet port to a safe area for hazardous liquids, or use a standpipe for non-hazardous liquids.

Important Note on DGV use with Salt Solutions & Other Liquids that may Precipitate Solids:

Should the DGV be installed in liquids which have the possibility of precipitating solids out of solution, it is recommended to periodically clean the DGV in warm or cold water to remove debris and/or precipitated salts from the orifice and the seat. To disassemble use an appropriate spanner wrench inserted into the two 1/8" holes in the top of the valve, unscrew and remove the float/seat assembly. Then clean and re-assemble the DGV.

It is further recommended to keep a spare seal kit on hand. When the DGV is disassembled for cleaning, examine the spring o-ring (the o-ring retaining the seat and float arm) for elasticity and general overall condition. If lack of elasticity or general wear is evident, replace the seals.

SPECIFICATIONS AND DIMENSIONS:

Body Materials Available:	PVC, CPVC, Polypro, Acrylic or PVDF
Elastomers:	FKM (Viton) or EPDM
Additional Wetted Material:	Natural Polypropylene
Maximum Operating Pressure:	PVC, CPVC, PVDF: 150 PSI PP, Acrylic: 100 PSI
Minimum Specific Gravity:	0.9
Dimensions:	4 1/4" high x 2 1/4" diameter
Vent Port:	1/8" NPT
System Connection:	1/2" NPT; valve must be oriented vertically.

Specifications and Dimensions subject to change.

Series DGV Part Numbers Pipe Size (NPT)	PVC	CPVC	Polypro	PVDF	ACRYLIC
1/2"	DGV050V-PV	DGV050V-CP	DGV050V-PP	DGV050V-PF	DGVO5OV-ACR

DGV (series) **050** (size) **V** (seal material) - **PV** (body material)
Part numbers shown are **FKM** seals. For **EPDM** seals, change **"V" to "EP."** For example, DGV050EP-PV.
• Standard connections are threaded. For other connection types, consult factory.

1384 Pompton Avenue, Cedar Grove, NJ 07009 USA (973) 256-3000 • Fax (973) 256-4745 • www.plastomatic.com

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