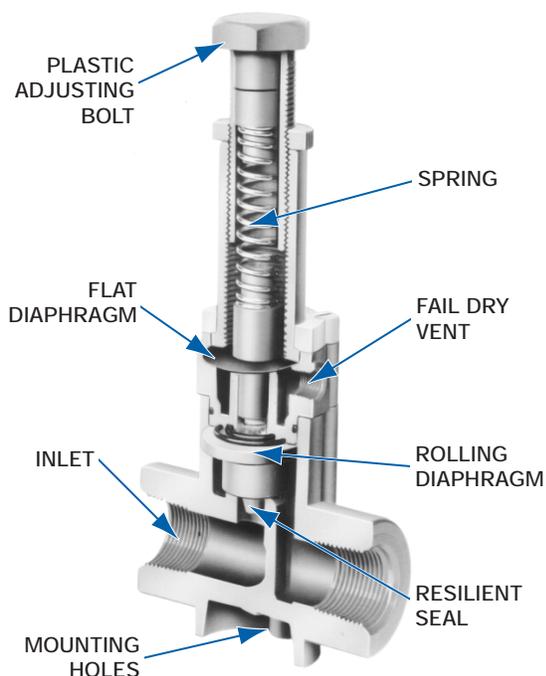


### SERIES RVDM ROLLING DIAPHRAGM RELIEF/BYPASS VALVE eliminates crystallization problems; smooth, sensitive operation



5-100 PSI set pressure range  
150 PSI maximum inlet pressure

#### FEATURES

- Rolling diaphragm provides high accuracy, prevents crystallization.
- Flat secondary diaphragm provides a second isolation of the control spring.
- Patented Fail-Dry® safety vent gives advance warning of need to replace primary seal.
- In-line pattern in 1/2", 3/4" and 1" pipe sizes.
- No wetted metals.
- Premium, lightweight valve

#### APPLICATIONS

Multi-purpose valve will function as:

**Pressure Relief Valve** – in a piping system or vessel to protect it from excess pressure

**Back Pressure Regulator** – at the end of a closed loop to maintain a pre-set upstream pressure

**Bypass Relief** – to protect the pump when an obstruction occurs downstream

**Pump Backpressure Valve** – to create an obstruction to the pump's output flow, to smooth out turbulence and improve pump longevity.

#### DESIGN

Series RVDM in-line pressure relief valve features a primary rolling diaphragm and a secondary flat diaphragm which incorporates the Plast-O-Matic patented Fail-Dry design for added protection. Not recommended for applications with vacuum or backpressure on the outlet; for anti-siphon function refer to Series RVDT.

Relief setting is infinitely adjustable from 5 psi to 100 psi.

Maximum inlet pressure is 150 psi.

#### MATERIALS OF CONSTRUCTION

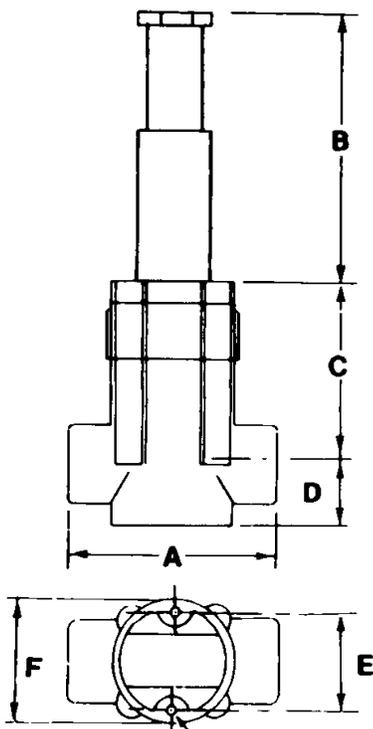
Available in PVC, CPVC, Glass-Filled Polypropylene and PVDF. Seals are available in EPDM or FKM (Viton®). The valve adjusting bolt, lock nut, and body are thermoplastic. Support washers in Polypro models are made of PVDF. The plated steel control spring and stainless steel external fasteners are not in contact with liquid.

FNPT connections standard.



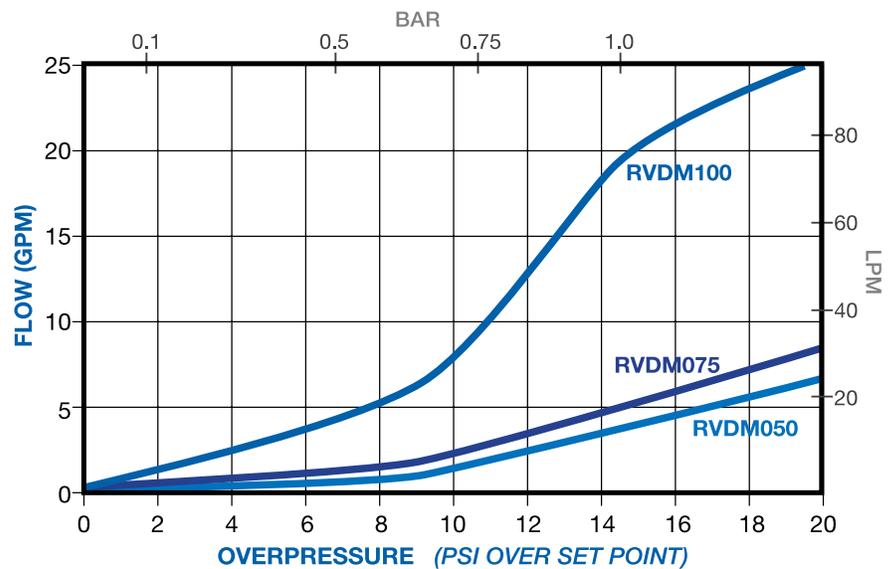
### SERIES RVDM SPECIFICATIONS

#### DIMENSIONS



(2) Mounting Holes  
#8 - 32 x 1/2 deep

#### FLOW PERFORMANCE



	1/2		3/4		1	
	in.	mm.	in.	mm.	in.	mm.
A	2.25	57.1	4.0	101.6	4.0	101.6
B	4.12	104.1	4.0	101.6	4.4	101.6
C	2.88	73.7	3.3	83.8	3.3	83.8
D	0.94	24.0	1.3	33.3	1.3	33.3
E	1.50	38.1	1.5	38.1	1.5	38.1
F	1.88	48.0	1.9	48.0	1.9	48.0

#### ORDERING INFORMATION

NPT or BSP	PVC Model No.	POLYPRO Model No.	CPVC Model No.	PVDF Model No.
1/2	RVDM050EP-PV	RVDM050EP-PP	RVDM050EP-CP	RVDM050EP-PF
3/4	RVDM075EP-PV	RVDM075EP-PP	RVDM075EP-CP	RVDM075EP-PF
1	RVDM100EP-PV	RVDM100EP-PP	RVDM100EP-CP	RVDM100EP-PF

Model numbers shown are for EPDM seals. For FKM, change "EP" to "V".  
NPT connections standard; for other connections consult factory.

Photos are representative. Appearance may vary based on size/materials.

