



# Model RV-1A

## Pressure Relief Valve



### Features & Benefits

- No need to bleed trapped air from the diaphragm chamber
- Simple trim configuration
- Factory assembled and fully trimmed
- In-line service
- One pilot valve provides for any outlet "set pressure" thanks to sub-assembly
- UL, ULc Listed and FM Approved

### Pilot Operated Pressure Relief Valve

#### At-A-Glance

The TYCO® Model RV-1A Pressure Relief Valve is factory-assembled and fully trimmed for accurate pressure control.

The RV-1A automatically relieves excess pressure in a fire protection system to maintain a relatively constant system pressure as flow demands change.

The valve design uses the DV-5A valve body, incorporating the simple diaphragm design, and are available in flange-by-flange and grooved-by-grooved connections.

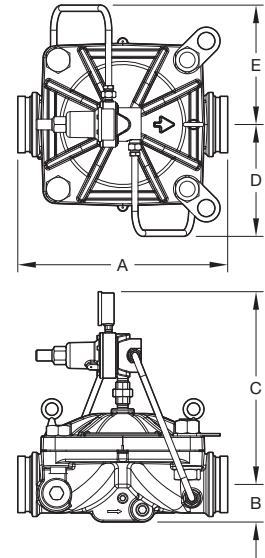


One moving part provides simple maintenance and operation



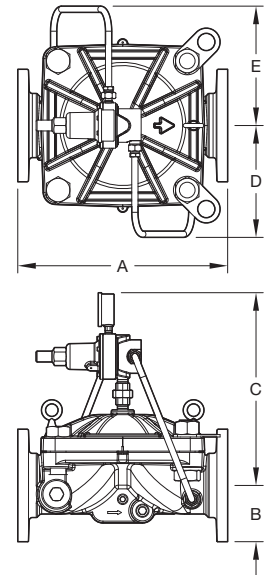
## RV-1A Pressure Relief Valve

Nominal Valve Size Inches (DN)	O.D. Pipe Size in. (mm)	Nominal Installation Dimensions in. (mm)					Weight lb (kg)
		A	B	C	D	E	
2 (DN50)	2.88 (60,3)	10-3/16 (260)	2.80 (71,1)	11.17 (283,7)	5.93 (150,6)	6.53 (165,9)	34.0 (15,4)
3 (DN80)	3.50 (88,9)	13-3/4 (349)	2.95 (74,9)	12.84 (326,1)	8.05 (204,5)	8.05 (204,5)	71.0 (32,2)
4 (DN100)	4.50 (114,3)	16-3/4 (425)	3.00 (76,2)	14.11 (358,4)	8.93 (226,8)	9.53 (242,1)	106.0 (48,1)
6 (DN150)	6.50 (165,1)	22-3/8 (569)	4.52 (114,8)	15.50 (393,7)	12.43 (315,7)	11.03 (280,2)	182.0 (82,6)
	6.62 (168,3)						
8 (DN200)	8.62 (219,1)	27-7/16 (697)	5.29 (134,4)	18.20 (462,3)	14.43 (366,5)	15.03 (381,8)	336.3 (152,5)



Model RV-1A Pressure Relief Valve  
Groove X Groove End Connections  
Nominal Installation Dimensions

Nominal Valve Size Inches (DN)	Nominal Installation Dimensions in. (mm)					Weight lb (kg)
	A	B	C	D	E	
3 (DN80)	13-3/4 (349)	4.00 (101,6)	12.84 (326,1)	8.05 (204,5)	8.05 (204,5)	83.0 (37,6)
4 (DN100)	16-3/4 (425)	4.42 (112,3)	14.11 (358,4)	8.93 (226,8)	9.53 (242,1)	127.0 (57,6)
6 (DN150)	22-3/8 (569)	5.41 (137,4)	15.50 (393,7)	12.43 (315,7)	11.03 (280,2)	209.0 (94,8)
8 (DN200)	27-7/16 (697)	6.76 (171,7)	18.20 (462,3)	14.43 (366,5)	15.03 (381,8)	374.3 (169,8)



Model RV-1A Pressure Relief Valve  
Flange x Flange End Connections  
Nominal Installation Dimensions

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Technical Service: Tel: 800.381.9312 • Fax: 800.791.5500

Scan Me



Always refer to the Technical Data Sheet TFP1586 and our general T&C of sale for a complete description of all criteria, design parameters, installation instructions, care and maintenance guidelines, and other terms such as our limited warranty.

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