

### Compact design

**V07 helps protect air operated equipment from over pressure by retarding excessive pressure buildup**

**16-004: Used in low-volume air tanks to retard excessive pressure buildup**

**V06: Helps protect water systems from excessive pressure buildup by venting water when pressure exceeds setting of the relief valve. Relief valve closes when pressure is reduced to the relief pressure setting.**



### Technical data

#### V07

##### Fluid:

Compressed air, neutral gases  
NOTE: Contact technical support

##### Maximum pressure:

300 psig (20 bar)

Operating temperature:

0° to 150°F (-20° to 65°C) \*

\* Air supply must be dry enough to avoid ice formation at temperatures below 35°F (2°C).

##### Gauge ports:

1/8" PTF with PTF main ports

1/8" ISO Rc with ISO G main ports

#### 16-004

##### Fluid:

Compressed air  
Maximum pressure:  
300 psig (20 bar)

##### Operating temperature\*:

-30° to 200°F (-34° to 93°C)

\*Air supply must be dry enough to avoid ice formation at temperatures below 35°F (2°C).

##### Repeatability:

± 20% of relief pressure setting

#### V06

##### Fluid:

Water and compressed air  
Maximum pressure:  
400 psig (27.6 bar)

##### Operating temperature:

Plastic bonnet:

35° to 150°F (2° to 65°C)

Brass bonnet:

35° to 175°F (2° to 80°C)

##### Gauge ports:

1/8" PTF

#### Materials:

##### V07

Body: zinc  
Bonnet: acetal  
Valve seat: polyphenylene  
Elastomers: nitrile

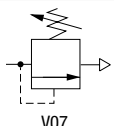
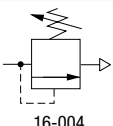
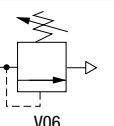
##### 16-004

Body, cap, spring rest: brass  
Valve: Brass and nitrile  
Regulating spring: stainless steel

##### V06

Body: brass  
Bonnet  
Standard: acetal resin  
Optional: brass  
Valve seat: acetal resin  
Elastomers: nitrile

### Ordering information

ISO Symbols	Port Size			Model Number	Weight lbs (kg)	
 V07	 16-004	 V06	1/8"	V07-100-NNKA	0.28 (0.13)	
			1/4"	V07-200-NNKA	0.28 (0.13)	
			1/8"	V06-121-NNKA	0.2 (0.09)	
			1/4"	V06-221-NNKA	0.2 (0.09)	
Port Size	5 to 25 psig*	25 to 50 psig*	25 to 75 psig*	70 to 150 psig*	125 to 300 psig*	Weight lbs (kg)
1/8"	16-004-030	16-004-001	16-004-002	16-004-003	16-004-004	0.11 (0.05)
1/4"	16-004-031	16-004-009	16-004-010	16-004-011	16-004-012	0.11 (0.05)

\* Pressure relief ranges. Relief valves can be adjusted to pressures in excess of, and less than, those specified. Do not use these units to control pressures outside of the specified ranges.

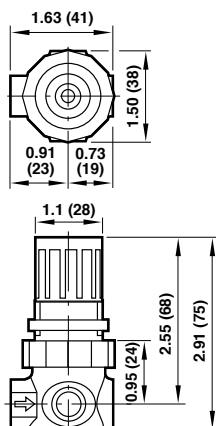
### V07 Service Kits

Type	Part number
Diaphragm and valve seat seal	3407-80
Valve seat and valve seat seal	3439-11
Diaphragm seat and seal	3407-19

### V06 Service Kits

Type	Part number
Valve seat and seal	3439-11
Diaphragm	3440-03

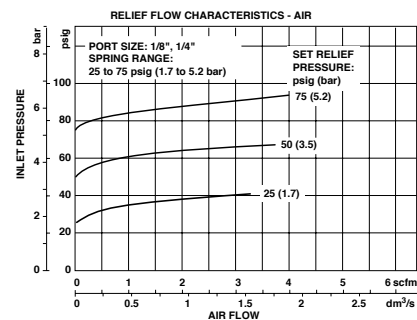
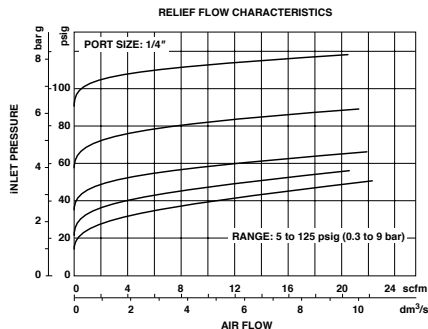
V07



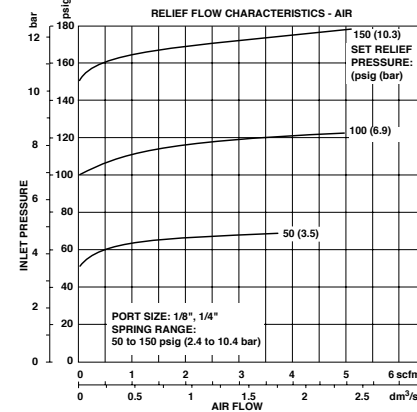
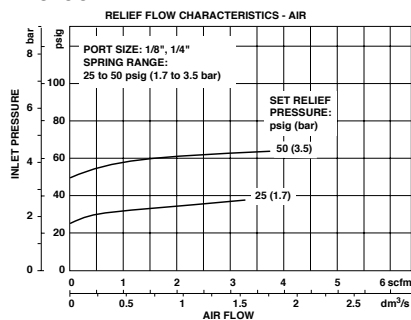
Panel mounting hole diameter: 1.19" (30 mm)  
Maximum panel thickness: 0.25" (6 mm)

Typical Performance Characteristics

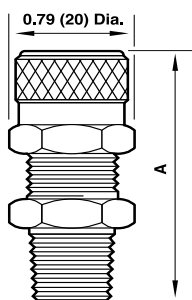
V07



16-004

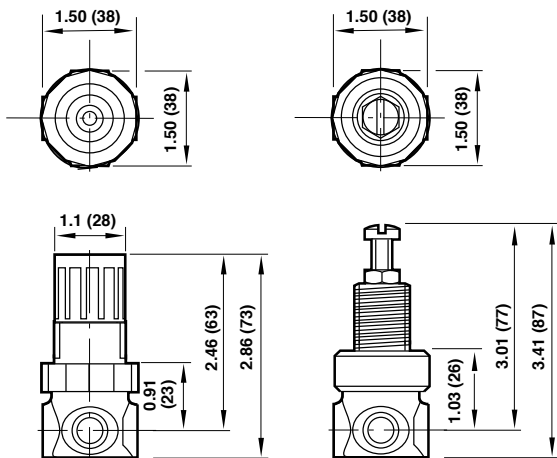


16-004



A: 1.56 (62) for 1/8" pipe size  
1.75 (44) for 1/4" pipe size

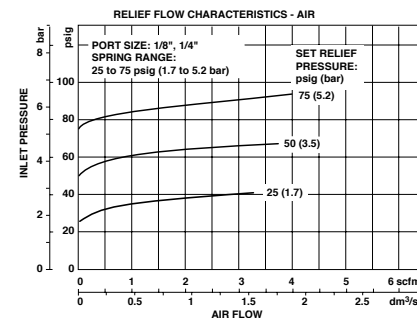
V06



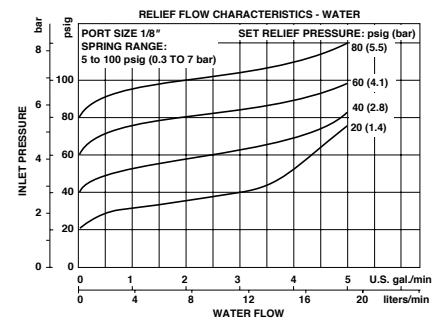
Models with Plastic Bonnet

Models with Brass Bonnet

Panel mounting hole diameter:  
Models with plastic bonnet: 1.19" (30 mm)  
Models with brass bonnet: 0.81" (21mm)  
Maximum panel thickness: 0.25" (6 mm)



V06



Dimensions in inches (mm)