14-600 - Vacuum Relief Valves

Overview

High flow vacuum relief valves feature one piece cast bronze bodies, Teflon coated discs and elastomer soft seating provide accurate and dependable operation. Ideal for use with high volume vacuum systems, bulk hauling tanks and trailers, powdered solids/bulk handling and pneumatic conveying equipment.

Connection sizes 2”, 2 1/2” and 3”
Relief settings 8" to 30" Hg @ 400°F max.

Applications

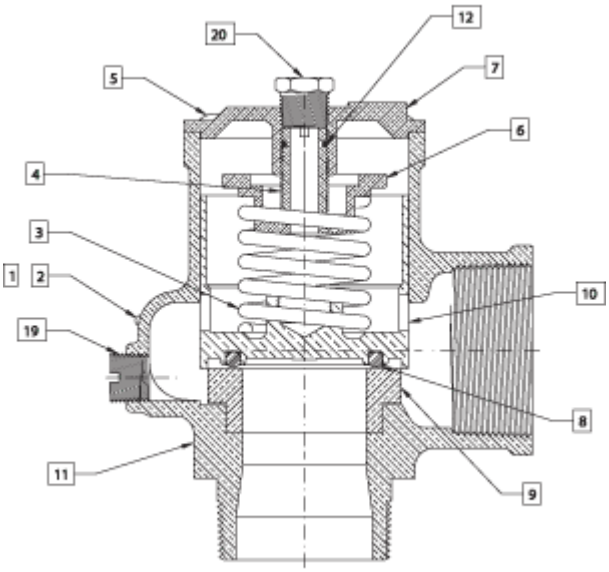
- High volume vacuum systems
- Bulk hauling tanks and trailers
- Powdered solids / bulk handling
- Pneumatic conveying equipment

Features

- Weather resistant construction
- Elastomer soft seat is vibration resistant
- Stainless steel spring
- One piece unified bronze body design
- High capacity “top-guided” design
- TFE / chrome plated internals

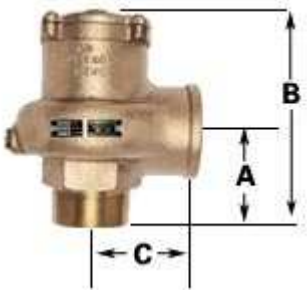
Ordering Number System for 14-600

14	6	05	V12
Series Number	Body / Cap Style and Service	Inlet Connection	Relief Pressure
14 Base Model No.	6 = Vacuum Relief	05 = 2 NPT 06 = 2 1/2" NPT 07 = 3" NPT	Vacuum Relief Setting, Hg “V” Prefix + Inches Mercury (“V” + 2 Digits)



Materials

item	Component	Material
1	Nameplate	Aluminum
2	Drivescrews (2)	Steel (Plated)
3	Spring	Stainless Steel
4	Adjusting Screw	Brass ASTM B-16
5	Cap Screw (4)	Steel (Plated)
6	Spring Washer	Brass ASTM B-16
7	Cap	Bronze ASTM B-584
8	Seat O-Ring	Silicone
9	Seat Insert	Brass ASTM B-16
10	Disc	Bronze ASTM B-584
11	Body	Bronze ASTM B-584
12	Friction Ring	Epdm
13	Stem Nut	Brass ASTM B-16
14	Stem	Brass ASTM B-16
15	Retaining Ring	Steel (Plated)
16	Lift Washer	Steel (Plated)
17	Lift Lever	Steel (Plated)
18	Roll Pin	Steel (Plated)
19	Plug	Brass ASTM B-16
20	Plug	Brass ASTM B-16



Dimensions

Model Number	Size Inlet x Outlet in./mm	A in./mm	B in./mm	C in./mm	Wt Each lbs/kg
14-605	2 x 2 50M x 50F	3.000 76.200	6.500 165.100	3.125 79.375	8.400 3.810
14-606	2-1/2 x 2-1/2 65M x 65F	3.500 88.900	7.625 193.675	3.125 79.375	11.800 5.352
14-607	3 x 3 80M x 80F	4.125 104.775	8.750 222.250	3.875 98.425	16.300 7.394