



Specification

Nominal size
DN65

Tank connection
80mm DIN11851

Set pressure
From 0.05 Bar to 4.5 Bar

Set vacuum
From 1 kPa to 98 kPa

Properties
With manual vent button

Materials
Contact parts: 316 stainless steel
Pressure O ring: Fortyt (Fig.1) or elastomer (Fig.2)
Vacuum O ring: Fortyt (Fig.1) or elastomer (Fig.2)

Alternatives are available, refer to the Design Options page

Design Conditions

Weight: 1.94 Kg

For more Design Conditions, please contact Fort Vale and refer to the parts drawing. The Section View dimensions are for the specified part number only.

WARNING: If you install an approved relief valve accessory item, e.g. a flame arrester, cowl, burst disc or baffle, it will decrease the air flow capacity of the relief valve. Thus, you must calculate again to make sure that the decreased air flow capacity will give sufficient protection to your vessel/system. Please refer to Fort Vale for more information.

Range

Description	Part No.
Standard valve - pressure/vacuum	2AM/XXXXXX
Standard valve - pressure only	2AM/XXXX00

NOTE: The valve specification changes the Part No.

Related Parts

Description	Part No.
80mm DIN11851 weld-in socket	176/2550
80mm DIN11851 fitting nut	176/2650
Silicone seal for 80mm socket	176/2685S
2½” flame arrester *Warning	130/5000
Installation C spanner	400/3000

Section View

NOTE: The pressure plate is different for a Fortyt pressure O ring (Figure 1) and an elastomer pressure O ring (Figure 2)

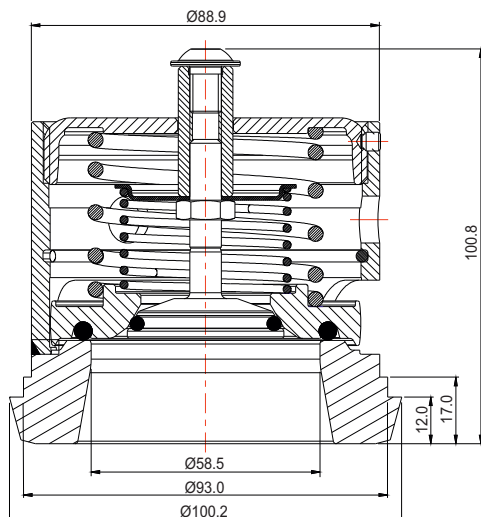


Figure 1. Valve with Fortyt pressure/vacuum O rings

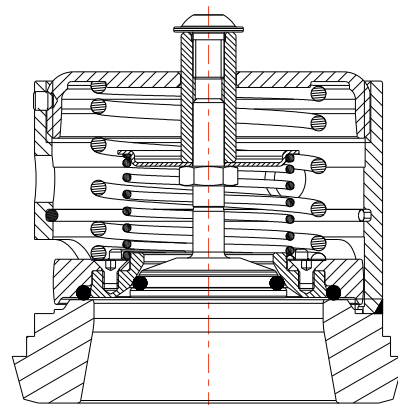
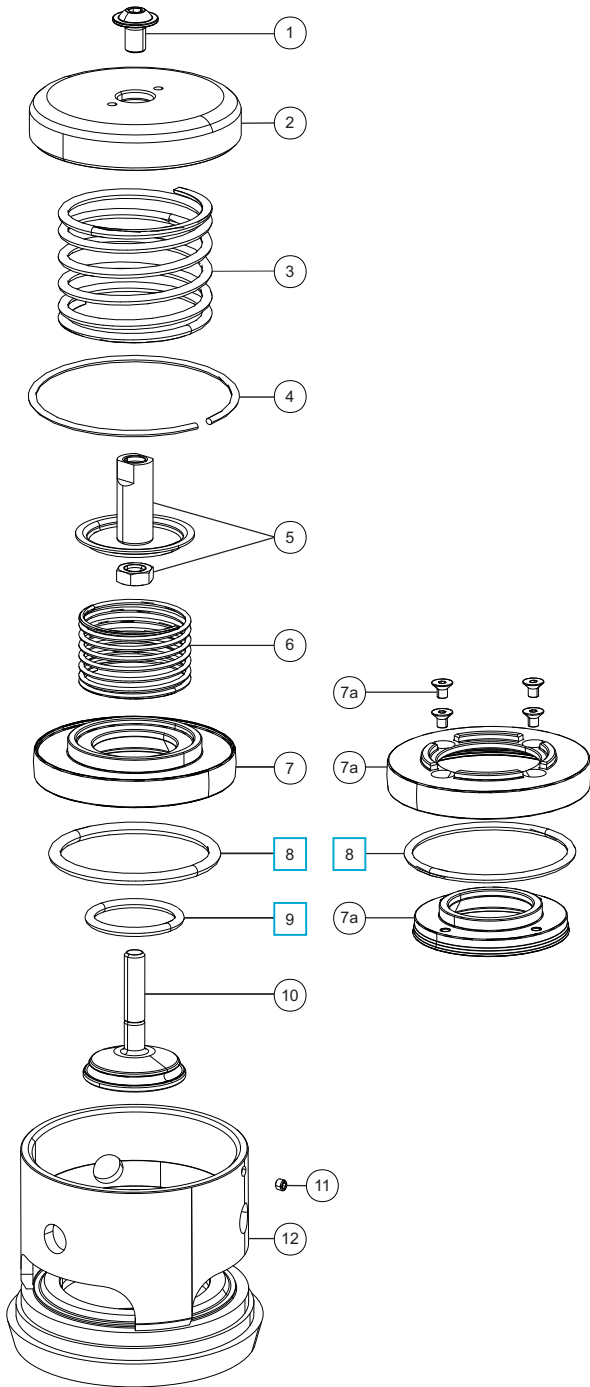


Figure 2. Valve with elastomer pressure/vacuum O rings

Parts Drawing

Figure 1: Fortyt pressure plate/O ring

Figure 2: Viton pressure plate/O ring



Parts List

Item	Description	Part No.
1	Flanged button screw	5111-9812
2	Top cap	10967/1
3	Pressure spring	Refer to Table 1
4	Retaining ring clip	5120-071
5	Spring pad assembly	130/0010
6	Vacuum spring	Refer to Table 2
7/7a	Pressure plate *Note	Refer to Table 3
8	Pressure O ring *Note	Refer to Table 4 <input type="checkbox"/>
9	Vacuum O ring	Refer to Table 4 <input type="checkbox"/>
10	Vacuum poppet	10983V
11	Anti-tamper screw	5121-001
12	Body	175/2203

NOTE: You will need special tools to install an O ring into a pressure plate. We recommend that you order a pressure plate/O ring assembly. Refer to Table 3.

Table 1

Std. Pressure Setting	Pressure Spring Part No.
2 Bar	5104-0020

Available settings: 0.05 to 4.5 Bar

Table 2

Std. Vacuum Setting	Vacuum Spring Part No.
2 kPa	5104-560
3 kPa	5104-561
10 kPa	5104-563

Available settings: 1 to 98 kPa

Table 3 - Refer to Note

O Ring Material	Pressure Plate Part No.	Pressure Plate/O Ring Assembly Part No.
Fortyt	(7) 175/0117	175/F117
Viton	(7a) 175/X260	175/0260

Table 4 - Refer to Note

O Ring Material	Pressure O Ring Part No.	Vacuum O Ring Part No.
Fortyt	ORB330F0	5005-108H
Viton	5005-313	5005-107

Seal Kit - All parts marked in the Parts List

Seal Material	Part No.
Fortyt	2A/1PVSK
Viton	2A/0PVSK