



Specification

Nominal size
DN40

Tank connection
50mm 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: 1.0 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	3AM/XXXXXX
Standard valve - pressure only	3AM/XXXX00

NOTE: The valve specification changes the Part No.

Related Parts

Description	Part No.
50mm DIN11851 weld-in socket	176/2660
50mm DIN11851 slotted nut	176/2670
Silicone seal for 50mm socket	176/2675S
1½” clamped flame arrester *Warning	200/5000
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)

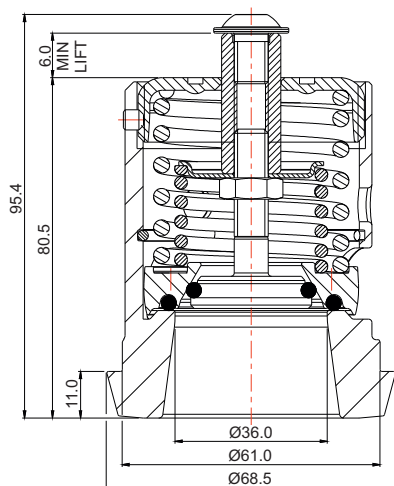


Figure 1. Valve with Fortyt pressure/vacuum O rings

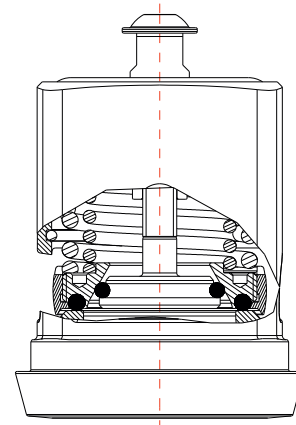


Figure 2. Valve with elastomer pressure/vacuum O rings

Parts Drawing

Figure 1: Fortyt pressure plate/O ring

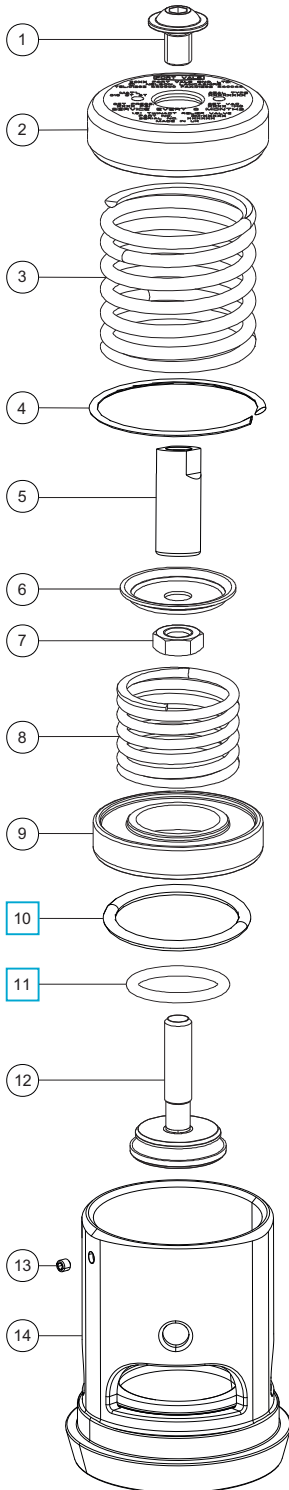
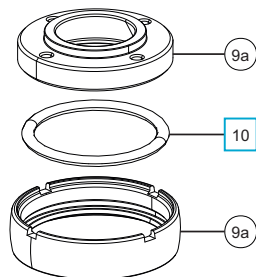


Figure 2: Viton pressure plate/O ring



Parts List

Item	Description	Part No.
1	Flanged button screw	5111-9812
2	Top cap	11004
3	Pressure spring	Refer to Table 1
4	Retaining ring clip	5120-070
5	Spring stem	10984
6	Spring pad	11006
7	M8 half nut	5112-004
8	Vacuum spring	Refer to Table 2
9/9a	Pressure plate *Note	Refer to Table 3
10	Pressure O ring *Note	Refer to Table 4 <input type="checkbox"/>
11	Vacuum O ring	Refer to Table 4 <input type="checkbox"/>
12	Vacuum poppet	11003
13	Anti-tamper screw	5121-001
14	Body	10990/1

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.
0.2 Bar	5104-0026
2.0 Bar	5104-0041

Available settings: 0.05 to 4.5 Bar

Table 2

Std. Vacuum Setting	Vacuum Spring Part No.
2 kPa	5104-760
3 kPa	5104-761
10 kPa	5104-765

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	<input type="radio"/> 9 175/0125	175/F125
Viton	<input type="radio"/> 9a 110/X150	110/0150

Table 4 - Refer to Note

O Ring Material	Pressure O Ring Part No.	Vacuum O Ring Part No.
Fortyt	ORM0340400F0	5005-114
Viton	ORM0340400VR	5005-112

Seal Kit - All parts marked in the Parts List

Seal Material	Part No.
Fortyt	3A/1PVSK
Viton	3A/0PVSK