



Specification

Nominal size

DN65

Tank connection

2½” BSP

Set pressure

From 0.05 Bar to 4.5 Bar

Materials

Contact parts: 316 stainless steel

Pressure O ring: Fortyt (Fig.1) or Viton (Fig.2)

Vacuum O ring: Fortyt (Fig.1) or Viton (Fig.2)

Tank seal: Rubber/PTFE envelope

Alternatives are available, refer to the Design Options page

Design Conditions

Weight: 1.54 Kg

For more Design Conditions, please contact Fort Vale and refer to the parts drawing.

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	2A/XXXXXX
Standard valve - pressure only	2A/XXXX00

NOTE: The valve specification changes the Part No.

Related Parts

Description	Part No.
2½” BSP weld-in socket	600/1000
Tank weld-in flange	176/3150
2½” flame arrester *Warning	130/5000
CNAF tank seal	5005-026
Installation C spanner	400/3000

Section View

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

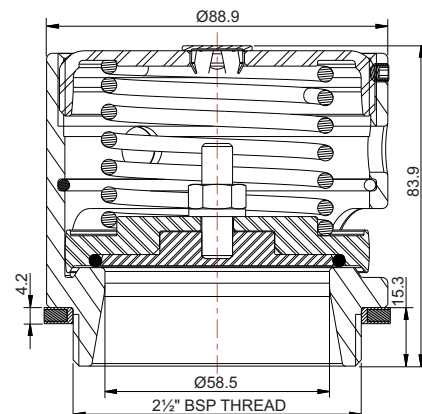
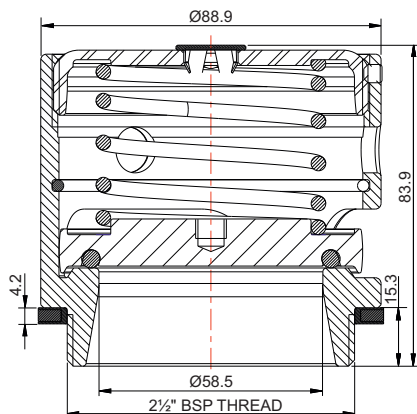


Figure 1. Valve with a Fortyt pressure O ring

Figure 2. Valve with a Viton pressure O ring

Parts Drawing

Figure 1: Fortyt pressure plate/O ring

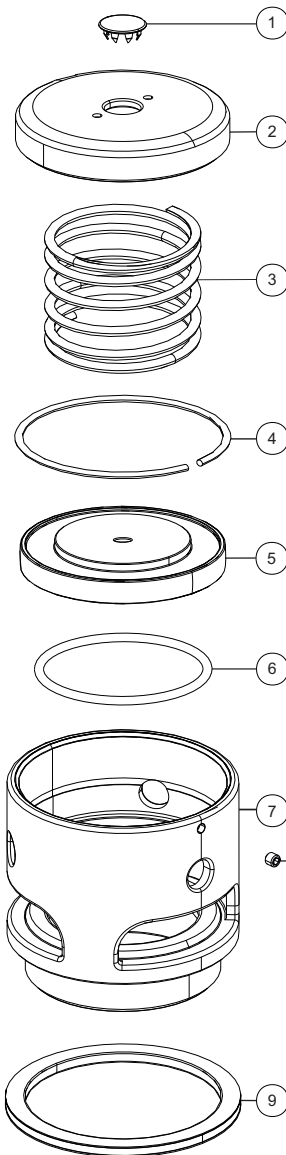
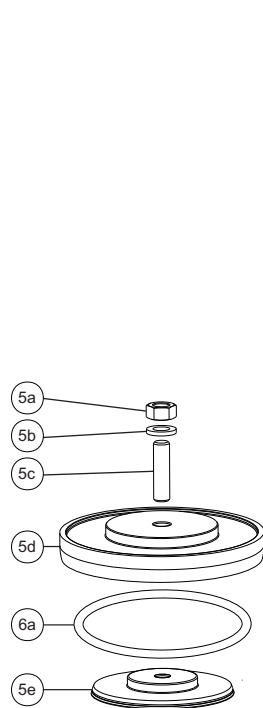


Figure 2: Viton pressure plate/O ring



Parts List

Item	Description	Part No.
1	Stainless steel plug	10978
2	Top cap	10967/1
3	Pressure spring	Refer to Table 1
4	Retaining ring clip	5120-071
5	Pressure plate for a Fortyt O ring *Note	175/X116 Refer to Table 2
5a-e	Composite pressure plate for a Viton O ring	175/X114 Refer to Table 3
6/6a	Pressure O ring *Note	Refer to Table 4
7	Body	10951/1
8	Anti-tamper screw	5121-001
9	Rubber/PTFE gasket	5005-046

NOTE: You will need special tools to install a Fortyt O ring into a pressure plate. We recommend that you order a pressure plate/O ring assembly. Refer to Table 2.

Table 1

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

Available settings: 0.05 to 4.5 Bar

Table 2 - Refer to Note

O Ring Material	Pressure Plate Part No.	Pressure Plate/O Ring Assembly Part No.
Fortyt	175/0116	175/F116

Table 3

Item	Description	Part No.
5a	M8 full nut	5112-001
5b	M8 spring washer	5113-003
5c	M8 stud	11426
5d	Outer pressure plate	175/0114/1
5e	Inner pressure plate	175/0114/2

Table 4 - Refer to Note

Item	O Ring Material	Part No.
6	Fortyt	ORB330F0
6a	Viton	5005-313



Specification

- Nominal size**
DN65
- Tank connection**
2½” BSP
- 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 Viton (Fig.2)
- Vacuum O ring: Fortyt (Fig.1) or Viton (Fig.2)
- Tank seal: Rubber/PTFE envelope

Alternatives are available, refer to the Design Options page

Design Conditions

Weight: 1.59 Kg

For more Design Conditions, please contact Fort Vale and refer to the parts drawing.

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	2A/XXXXXX
Standard valve - pressure only	2A/XXXX00

NOTE: The valve specification changes the Part No.

Related Parts

Description	Part No.
2½” BSP weld-in socket	600/1000
Tank weld-in flange	176/3150
2½” flame arrester *Warning	130/5000
CNAF tank seal	5005-026
Installation C spanner	400/3000

Section View

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

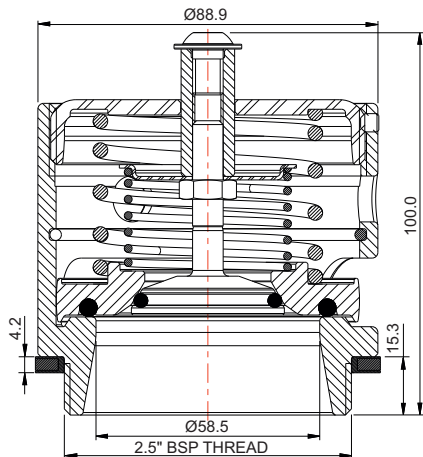


Figure 1. Valve with a Fortyt pressure O ring

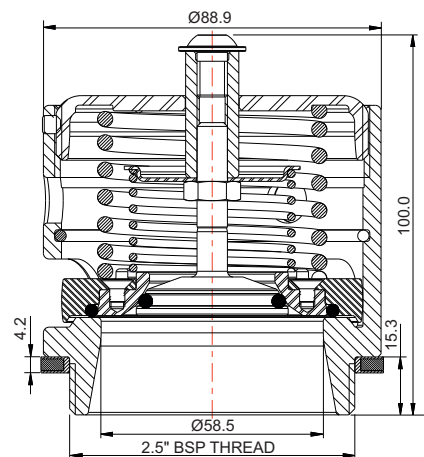
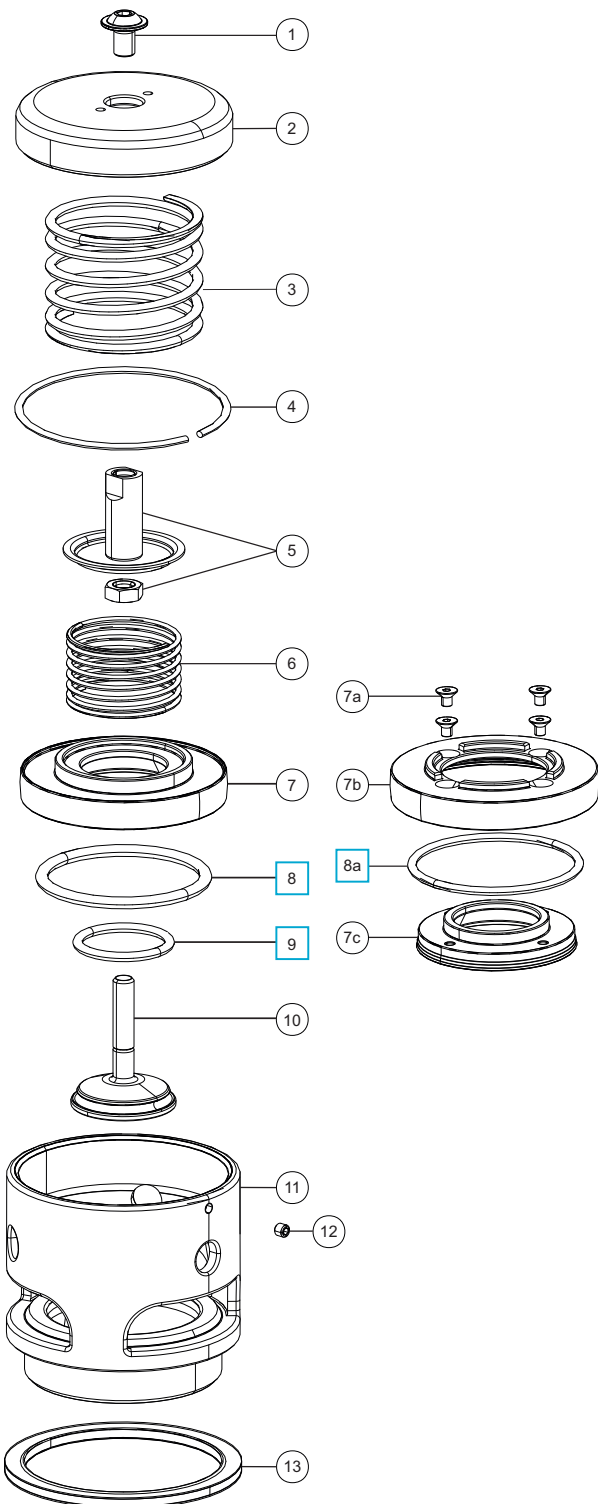


Figure 2. Valve with a Viton pressure O ring

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	Pressure plate for a Fortyt O ring *Note	Refer to Table 3
7a-c	Pressure plate for a Viton O ring	175/X260 Refer to Table 4
8/8a	Pressure O ring *Note	Refer to Table 5 <input type="checkbox"/>
9	Vacuum O ring	Refer to Table 5 <input type="checkbox"/>
10	Vacuum poppet	10983V
11	Body	10951/1
12	Anti-tamper screw	5121-001
13	Rubber/PTFE gasket	5005-046

NOTE: You will need special tools to install a Fortyt 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 99 kPa

Table 3 - Refer to Note

O Ring Material	Pressure Plate Part No.	Pressure Plate/O Ring Assembly Part No.
Fortyt	175/0117	175/F117

Table 4

Item	Description	Part No.
7a	M4 countersunk screw (4)	5111-310
7b	Outer pressure plate	175/0260/1
7c	Inner pressure plate	175/0260/2

Table 5 - Refer to Note

Item	O Ring Material	Pressure O Ring Part No.	Vacuum O Ring Part No.
8	Fortyt *Note	ORB330F0	5005-108H
8a	Viton	5005-313	5005-107

Seal Kit - All parts marked in the Parts List

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