



CORE  
SPECIFICATION  
//



ISO  
Liquefied Gas  
Tank Container  
Equipment

REV01\_10.12.07

## PRESSURE RELIEF EQUIPMENT //

- » 80MM INTERNAL GAS RELIEF VALVES
- » 80MM INTERNAL GAS RELIEF VALVE & BURSTING DISC HOLDER

## INTERNAL EMERGENCY VALVES //

- » 2" GAS SHORT PROFILE COMPOSITE FOOTVALVE ASSEMBLY
- » 2" LIQUID PHASE EXCESS FLOW GAS FOOTVALVE
- » EXCESS FLOW EMERGENCY VALVE OPERATION

## BALL VALVE //

- » 2" FULL BORE GAS BALL VALVE

## ACME OUTLET ASSEMBLIES //

- » ACME OUTLET ASSEMBLIES

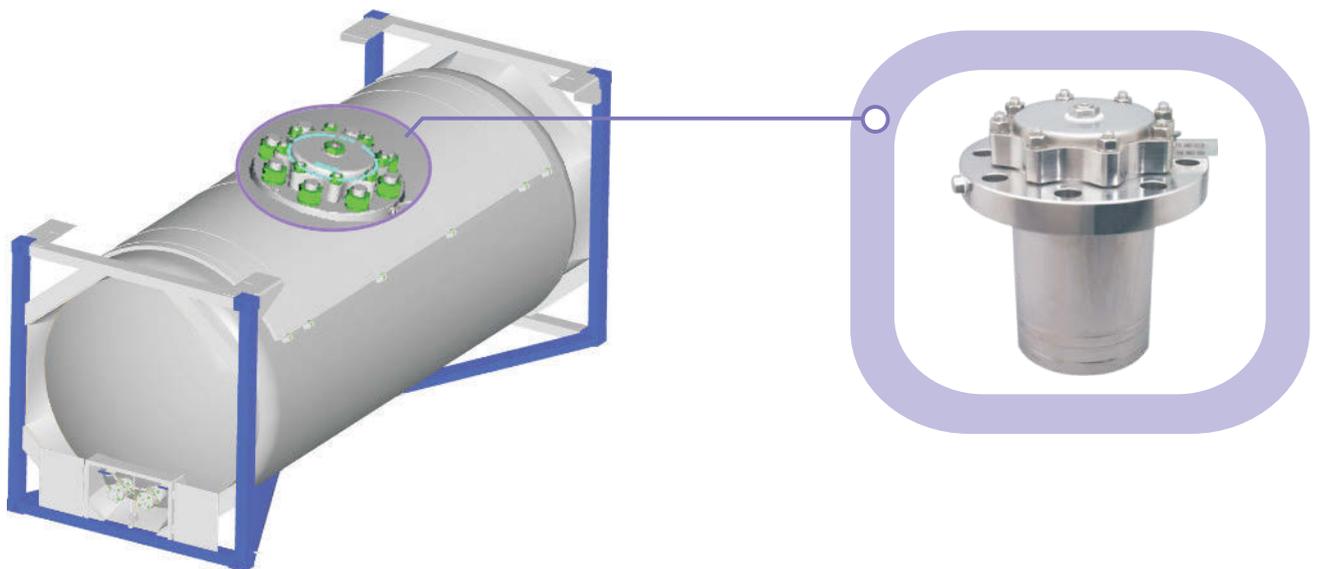
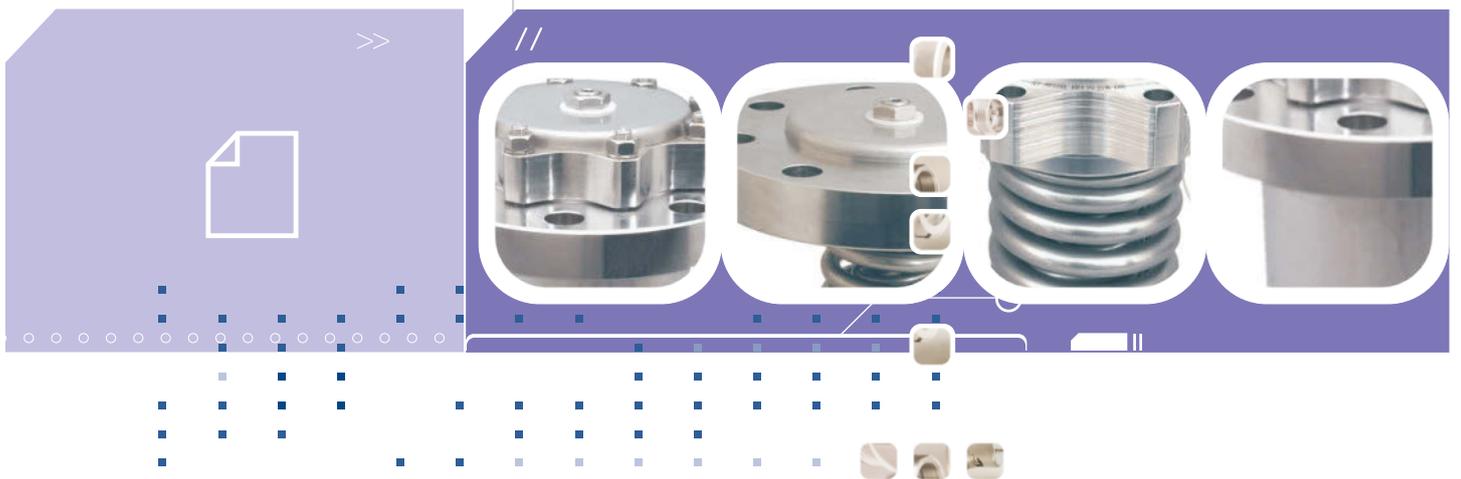
## AFTER SALES //

- » MAINTENANCE
- » WORLDWIDE DISTRIBUTORS





PRESSURE  
RELIEF  
EQUIPMENT  
//



# PRESSURE RELIEF EQUIPMENT



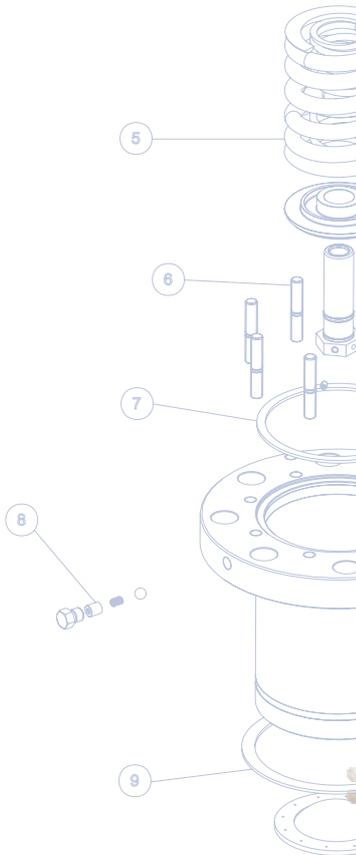
The **80mm gas relief valve** is available in three basic designs:

- Pressure relief valve only - the most basic model.
- Pressure relief valve with bursting disc holder - for tanks carrying products that require a burst disc to be fitted in series.
- Pressure relief valve only with bursting disc provision - the mounting flange allows the fitting of a burst disc holder at a later stage.

The valve is located on the top of the tank in the gas phase and is designed to relieve any accidental over-pressure, including a fire engulfment situation.

The Fort Vale design incorporates a number of unique features:-

- The main seal can be replaced in-situ without taking the valve off the tank, even with a pressurized tank.
- The valve can be serviced without the need for special equipment.
- The valve will operate manually even if its port is covered in ice due to harsh weather conditions.





**NOTE:** for use in conjunction with the Fort Vale standard burst disc holder.

MKII 80mm Internal Gas Relief Valve - Suitable for a pressure range of between 100 - 505 PSI (6.90 - 34.82 bar). Contact parts manufactured in 304/316 stainless steel. Fitted with PTFE seals as standard. Suitable for a burst disc to be fitted.

Options - Kalrez® seal optional.

## Specification

Weight 11.7 Kgs  
 Design Temperature -55°C to 80°C (-67°F to 176°F)

Design approval by Lloyds Register of Shipping and Russian Maritime Register of Shipping.

Test certificates supplied as standard. Please see separate data sheets for details on flow rates.

Tests may be witnessed and valves individually stamped by an independent inspectorate by arrangement.

## Range

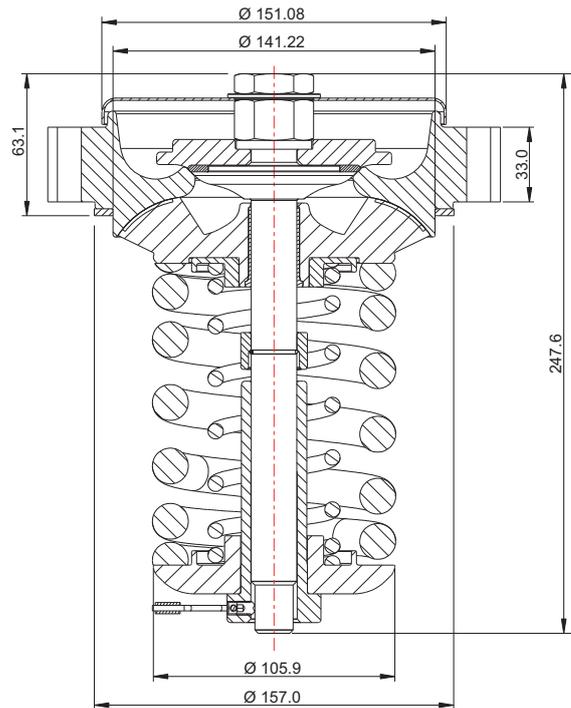
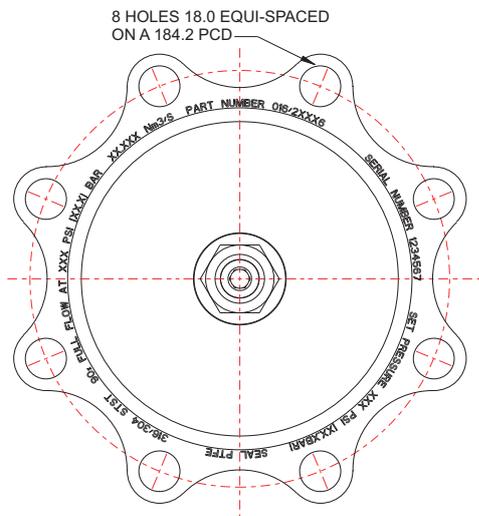
Part No.	Description
016/2XXX6	80mm Internal gas relief valve, 184.2mm PCD flange drilling

## Associated Parts

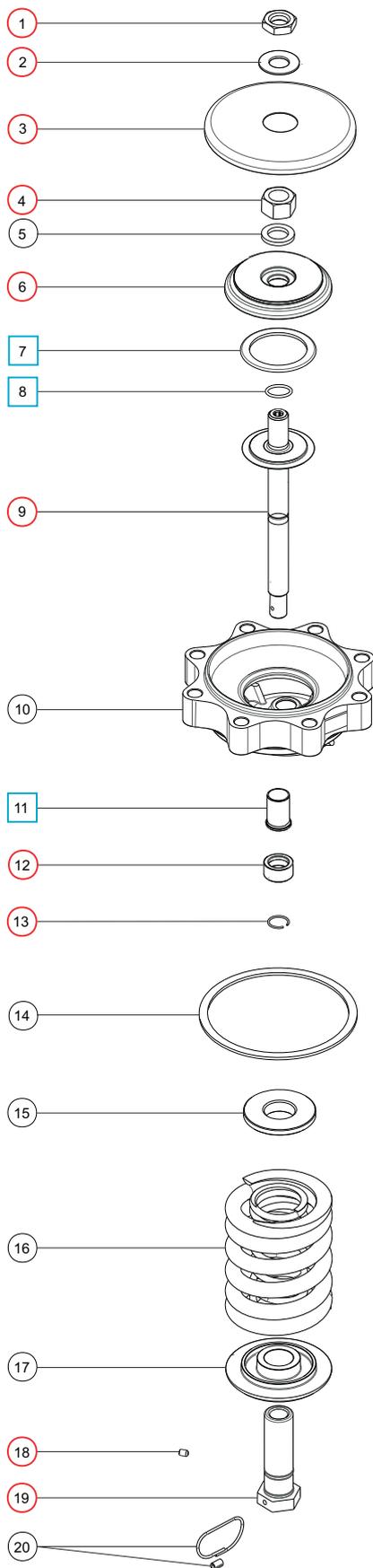
Associated Parts	Part No.
CNAF/PTFE gasket	5005-826

## Fitting Details

Example shown : 016/2XXX6



## Parts drawing



Item	Description	Part No.	
1	M20 x 1.5mm lock nut	5112-036	○
2	Cowl retaining washer	055/0135	○
3	Cowl	055/0130	○
4	M20 x 1.5mm full nut	5112-033	○
5	M20 spring washer	5113-016	
6	Poppet head	055/0127	○
7	Main seal	5005-825	□
8	Neoprene O ring	5005-995	□
9	Poppet stem assembly	055/0120	○
10	Body weld assembly (016/2XXX6)	055/0200	
11	Spindle guide bush	055/0115	□
12	Stop collar	055/0125	○
13	Retaining ring clip	055/0114	○
14	PTFE gasket	5005-826	
15	Top spring locator ( <i>see below</i> )	055/0116X	
16	Spring pair ( <i>see below</i> )	8104-XXXX	
17	Bottom spring locator ( <i>see below</i> )	055/0110X	
18	M6 x 8mm grubscrew	5111-133	○
19	Spring nut	055/0020	○
20	Retaining wire & ferrule	055/0060	

### SEAL KIT

Part number **006/00SK** contains all parts marked □

### REPAIR KIT

Part number **016/00RK** contains all parts marked ○

### Springs and Spring Locators

Please note that the top and bottom spring locators are manufactured to suit the dimensions of the spring pair. We advise that you contact our Sales department for spring information.



### SELF ADHESIVE DECAL

Part No. 005/DECAL  
Text in English, German & French

A detailed step-by-step repair manual is available for our 80mm Gas Relief Valves. Please contact our Sales team for further information.



MKII 80mm Internal Gas Relief Valve & Bursting Disc Holder- Suitable for a pressure range of between 100 - 505 PSI (6.90 - 34.82 bar). Contact parts manufactured in 304/316 stainless steel. Fitted with PTFE seals as standard.

**Options** - available with 1/4" BSP or 1/4" NPT horizontal or vertical pressure gauge fitting. Alternative flange drillings are available on request. Please see below for standard drilling patterns. Kalrez® seal optional. Oxygen service cleaning available.

## Specification

Weight 31.5 Kgs \*See Note  
 Design Temperature -55°C to 80°C (-67°F to 176°F)

**Note** : Weight varies according to valve specification

Design approval by Lloyds Register of Shipping and Russian Maritime Register of Shipping.

Test certificates supplied as standard. Please see separate data sheets for details on flow rates.

Tests may be witnessed and valves individually stamped by an independent inspectorate by arrangement.

## Range

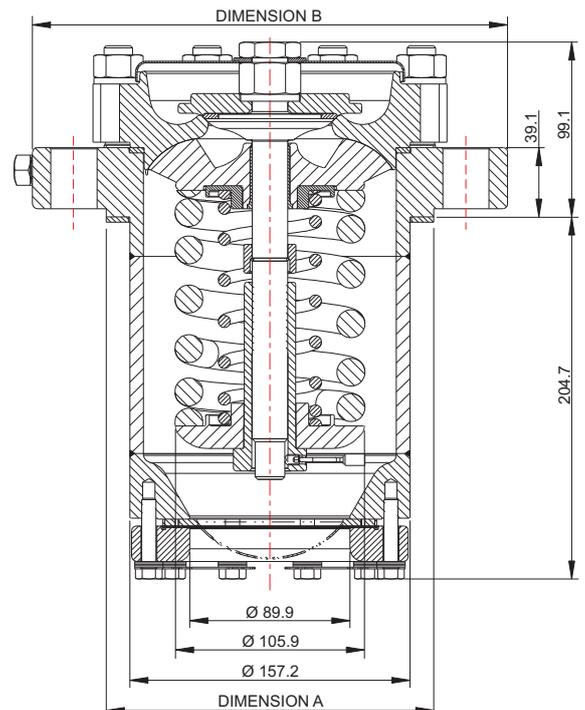
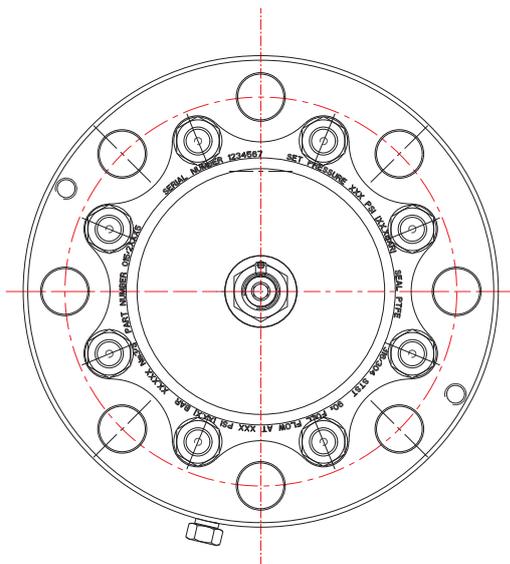
Part No.	Description
015/2XXX5	Valve with flange drilled 220mm PCD
015/2XXXXA	Valve with 90° 1/4" BSP check port
015/2XXXXB	Valve with 90° 1/4" NPT check port
015/2XXXXC	Valve with 1/4" BSP vertical gauge port
015/2XXX0	Valve with flange drilled 250mm PCD

## Associated Parts

Associated Parts	Part No.
Pressure Gauges to suit various valve pressures	Various – please contact our Sales team
CNAF/PTFE gasket (015/2XXX0)	5005-815
PTFE gasket (015/2XXX5)	5005-812
Emergency blank cap – 2 hole	005/0060X
Emergency blank cap – 4 hole	015/0070X

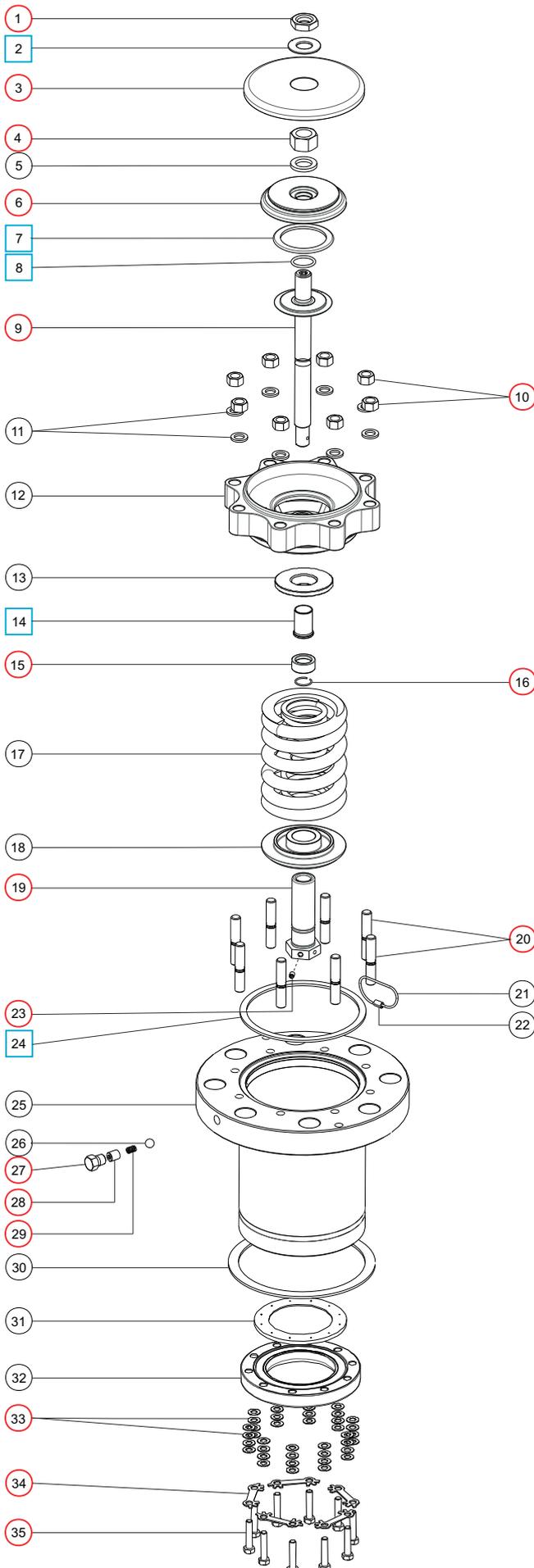
## Fitting Details

Example shown : 015/2XXX5



Part No.	Dimension A	Dimension B	Flange drilling pattern
015/2XXX5	Ø 183.9	Ø 266.7	8 holes Ø 26.0mm equi-spaced on a 220.0mm PCD
015/2XXX0	Ø 202.9	Ø 301.0	8 holes Ø 26.0mm equi-spaced on a 250.0mm PCD

## Parts drawing



Item	Description	Part No.	
1	M20 x 1.5mm lock nut	5112-036	○
2	Cowl retaining washer	055/0135	□○
3	Cowl	055/0130	○
4	M20 x 1.5mm full nut	5112-033	○
5	M20 spring washer	5113-016	
6	Poppet head	055/0127	○
7	Main seal	5005-825	□○
8	Neoprene O ring	5005-995	□○
9	Poppet stem assembly	055/0120	○
10	M16 full nut (8)	5112-003	○
11	M16 spring washer (8)	5113-012	
12	Body weld assembly	055/0200	
13	Top spring locator <i>(see below)</i>	055/0116X	
14	Spindle guide bush	055/0115	□○
15	Stop collar	055/0125	○
16	Retaining ring clip	055/0114	□○
17	Spring pair <i>(see below)</i>	8104-XXXX	
18	Bottom spring locator <i>(see below)</i>	055/0110X	
19	Spring retainer	055/0020	○
20	M16 stud (8)	055/0055	○
21	Tamper wire	055/0060	
22	Stainless ferrule	SF2.5	
23	M6 x 8mm grubscrew	5111-133	○
24	PTFE gasket	5005-826	□○
25	Burst disc holder (015/2XXX5)	055/0190	
	(015/2XXX0)	055/0290	
26	11mm ball	055/0031	
27	1/4" BSP taper plug	5128-009	○
28	Ball seal	055/0030	○
29	Spring	5104-115	○
30	PTFE tank seal (sold separately)	5005-XXX	
31	Burst disc (sold separately)	Various	
32	Bursting disc support flange	044/1034	
33	8mm Belleville washer (40)	5113-020	○
34	Anti rotation tab (5)	055/0025	○
35	Hex bolt (10)	5111-011	○

### SEAL KIT

Part number **005/00SK** contains all parts marked □

### REPAIR KIT

Part number **015/00RK** contains all parts marked ○

### Springs and Spring Locators

Please note that the top and bottom spring locators are manufactured to suit the dimensions of the spring pair. We advise that you contact our Sales department for spring information.



### SELF ADHESIVE DECAL

Part No. 005/DECAL

Text in English, German & French

A detailed step-by-step repair manual is available for our 80mm Gas Relief Valves. Please contact our Sales team for further information.



MKII 80mm Internal Gas Relief Valve - Suitable for a pressure range of between 100 - 525.5 PSI (6.90 - 36.24 Bar). Contact parts manufactured in 304/316 stainless steel. Fitted with PTFE seals as standard.

**Options** - alternative flange drillings are available. Please see below for standard flange drilling patterns. Kalrez® seal optional.

## Specification

Weight 21 Kgs **\*See Note**  
 Design Temperature -55°C to 80°C (-67°F to 176°F)

**Note** : Weight varies according to valve specification.

Design approval by Lloyds Register of Shipping and Russian Maritime Register of Shipping.

Test certificates supplied as standard. Please see separate data sheets for details on flow rates.

Tests may be witnessed and valves individually stamped by an independent inspectorate by arrangement.

## Range

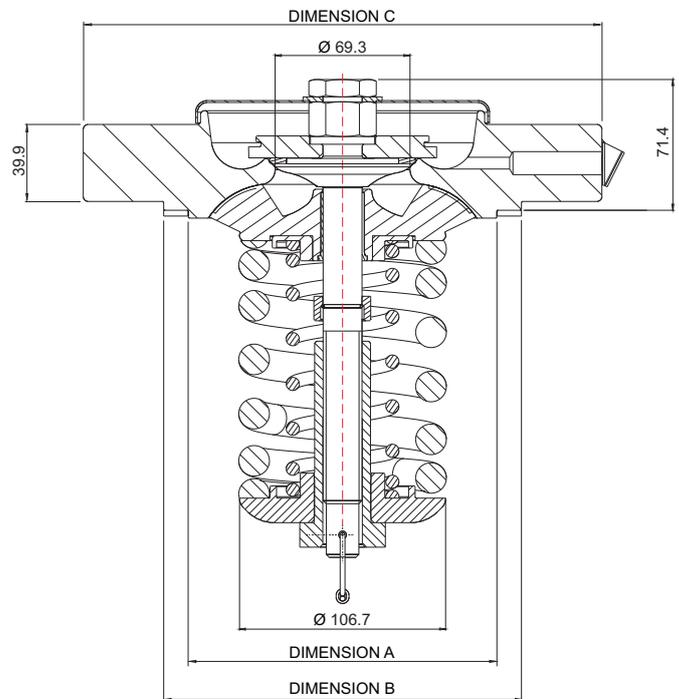
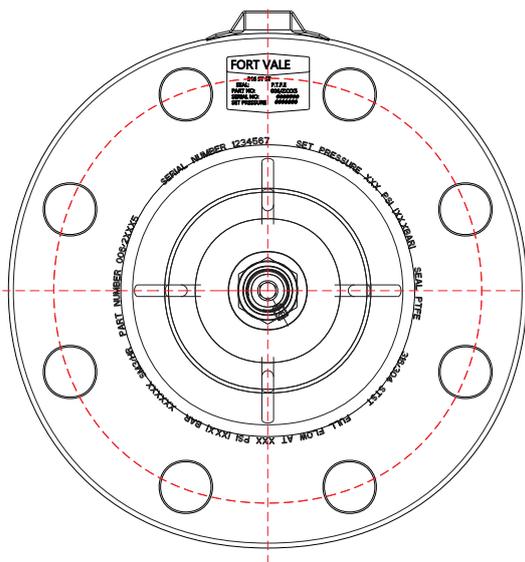
Part No.	Description
016/2XXX0	80mm Internal Gas Relief Valve, 250mm PCD flange drilling
016/2XXX5	80mm Internal Gas Relief Valve, 220mm PCD flange drilling

## Associated Parts

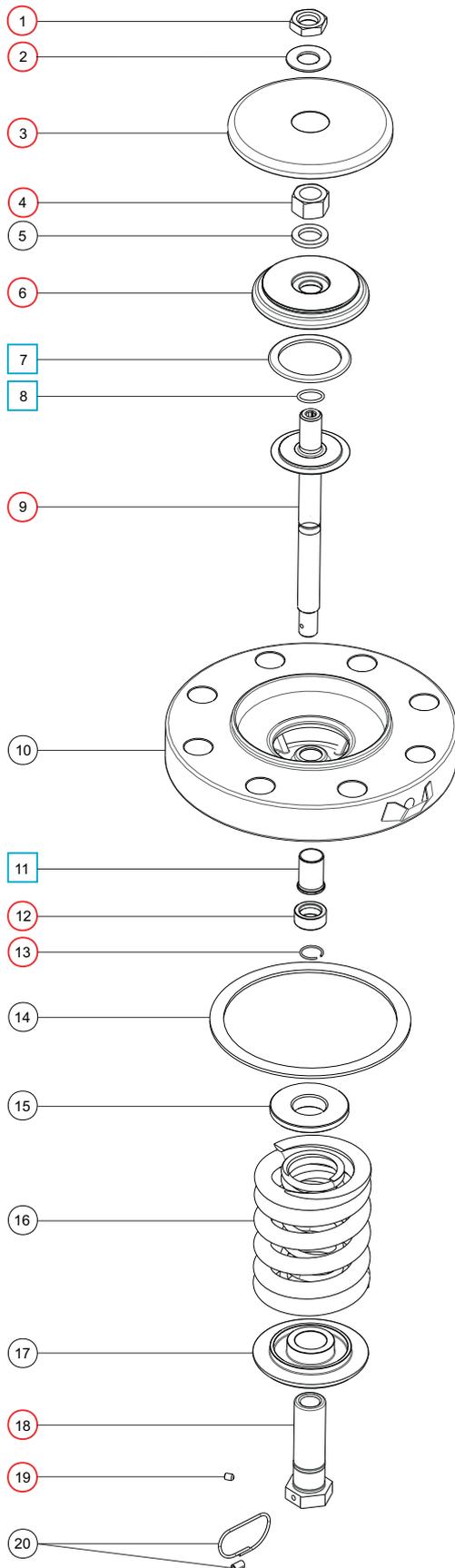
Associated Parts	Part No.
Pressure gauges to suit various valve pressures	Various – please contact our Sales team
PTFE gasket (016/2XXX0)	5005-818
PTFE gasket (016/2XXX5)	5005-812

## Fitting Details

Example shown : 016/2XXX5



Part No.	Dimension A	Dimension B	Dimension C	Flange drilling pattern
016/2XXX0	168.4	202.9	299.8	8 holes 26.0 equi-spaced on a 250.0mm PCD
016/2XXX5	158.5	183.9	266.6	8 holes 26.0 equi-spaced on a 220.0mm PCD

**Parts drawing**


Item	Description	Part No.	
1	M20 x 1.5mm lock nut	5112-036	○
2	Cowl retaining washer	055/0135	○
3	Cowl	055/0130	○
4	M20 x 1.5mm full nut	5112-033	○
5	M20 spring washer	5113-016	
6	Poppet head	055/0127	○
7	Main seal	5005-825	□ ○
8	Neoprene O ring	5005-995	□ ○
9	Poppet stem assembly	055/0120X	○
10	Body weld assembly (016/2XXX5) (016/2XXX0)	055/0250 055/0260	
11	Spindle guide bush	055/0115	□ ○
12	Stop collar	055/0125	○
13	Retaining ring clip	055/0114	○
14	PTFE gasket (supplied separate)	5005-XXX	
15	Top spring locator ( <i>see below</i> )	055/0116X	
16	Spring pair ( <i>see below</i> )	8104-XXXX	
17	Bottom spring locator ( <i>see below</i> )	055/0110X	
18	Spring nut	055/0020	○
19	M6 x 8mm grub screw	5111-133	○
20	Tamper wire & ferrule	055/0060	

**SEAL KIT**

Part number **006/00SK** contains all parts marked □

**REPAIR KIT**

Part number **016/00RK** contains all parts marked ○

**Springs and Spring Locators**

Please note that the top and bottom spring locators are manufactured to suit the dimensions of the spring pair. We advise that you contact our Sales department for spring information.


**SELF ADHESIVE DECAL**

Part No. 005/DECAL

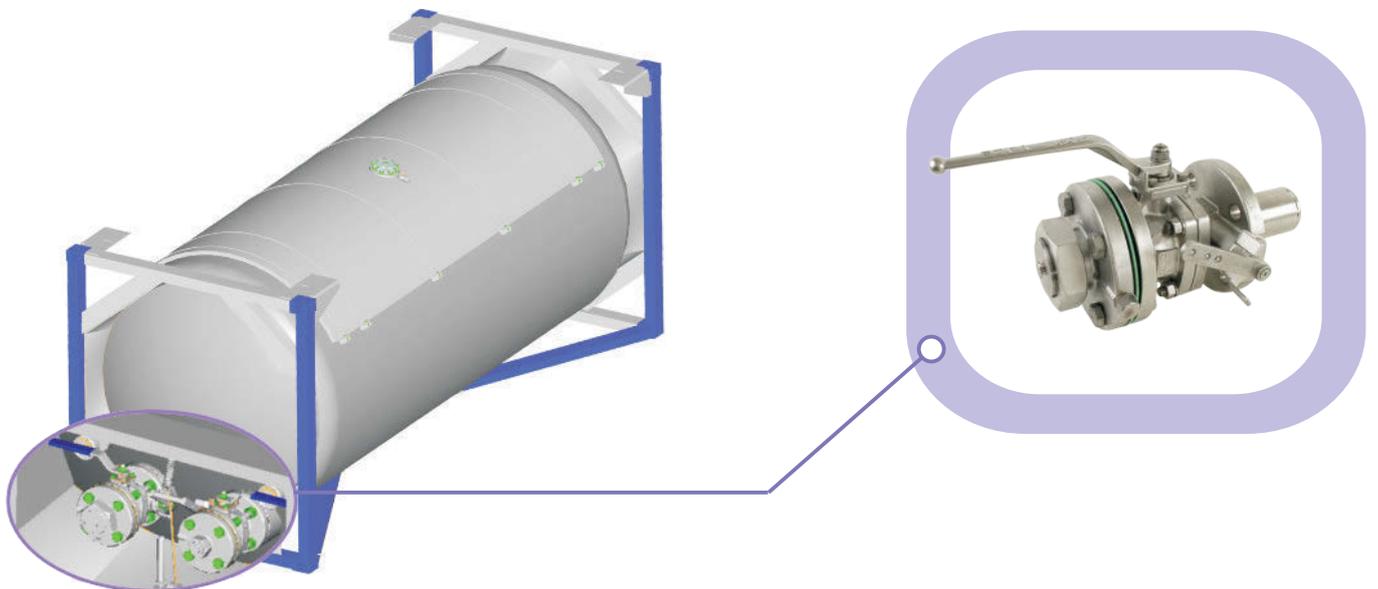
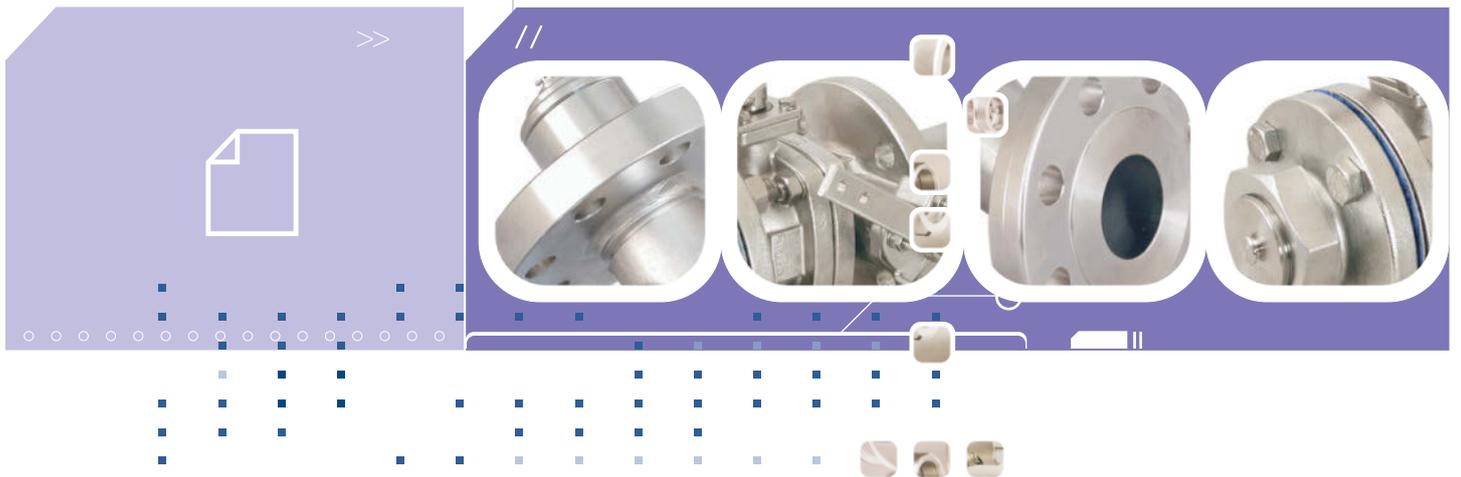
Text in English, German & French

A detailed step-by-step repair manual is available for our 80mm Gas Relief Valves. Please contact our Sales team for further information.

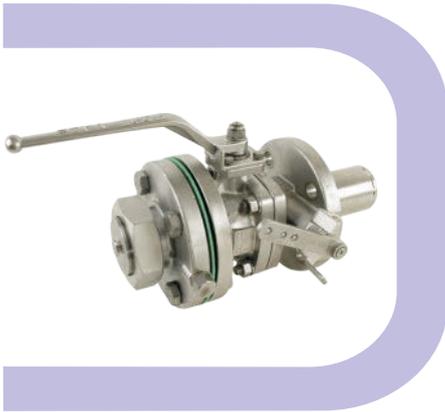


# INTERNAL EMERGENCY VALVES

//



# INTERNAL EMERGENCY VALVES



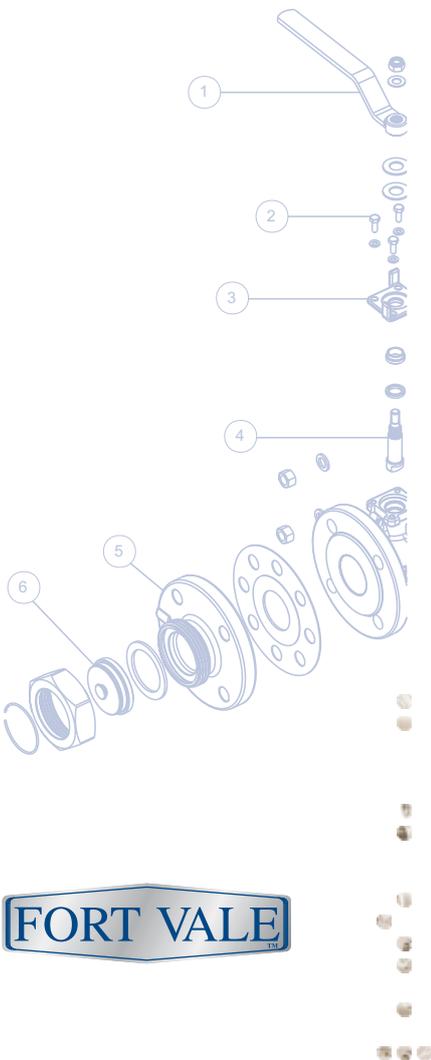
Fort Vale offers a range of **internal emergency valves** for the liquid and gas phases of tank containers.

The 51° valves are designed to fit to the side of the tank whilst the straight valves will fit to the rear of the tank.

The valves operate on the pilot / main closure principle so that they can easily be operated by hand. The half way position of the handle gives a quick pressure balance between the tank and unloading line for a quick set up.

To meet the requirements of IMDG and CFR codes, the valve has an excess flow facility. The main poppet of the valve will close automatically if a rupture of the loading line occurs.

The same valves are fitted to the liquid and gas phase to optimize costs and logistics.



**FORT VALE**



2" Short Profile Footvalve for compressed liquefied gas - 500 PSI (34.5 Bar) pressure setting. Inlet flange drilled 4 x 18mm holes equi-spaced on a 125mm PCD. DIN 50 PN 40. Complete with 2" ball valve. Left hand operation. Contact parts manufactured in 316 stainless steel. Supplied with a 3.25" ACME outlet and cap.

**Options** - available with a 1.75" ACME outlet. Right hand operation. Also available with a flanged outlet.

**Specification**

Weight	17 Kgs
Design Pressure (MAWP)	34.5 Bar (500 PSI)
Hydraulic Test Pressure	70 Bar (1015 PSI)
Design Temperature Range	-55°C to 80°C (-67°F to 176°F)

Design approval by Lloyds Register of Shipping and Russian Maritime Register of Shipping. All valves may be manufactured to TPED.

Please Note : Tension spring must be fitted to ensure valve closure in an emergency situation.

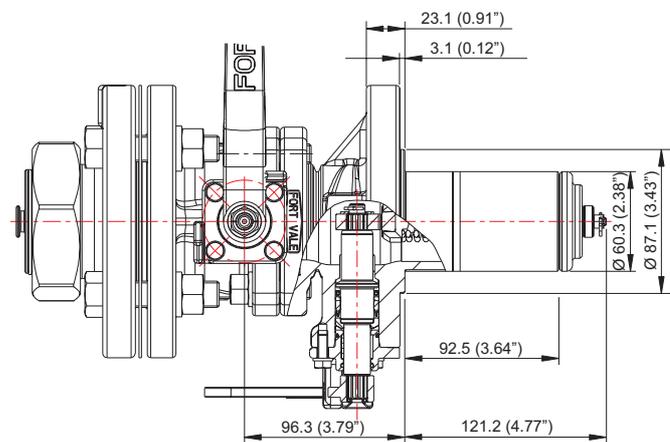
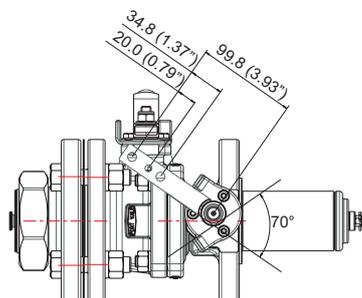
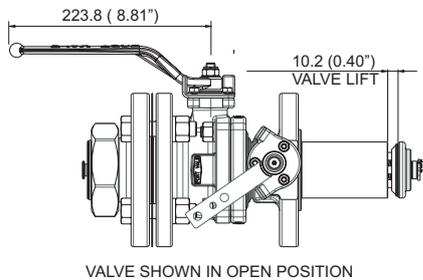
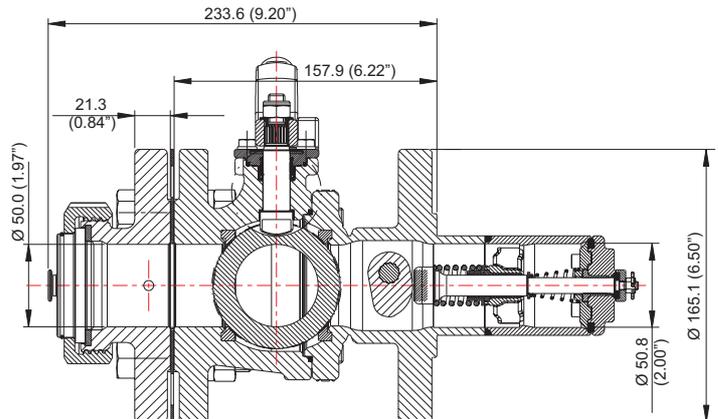
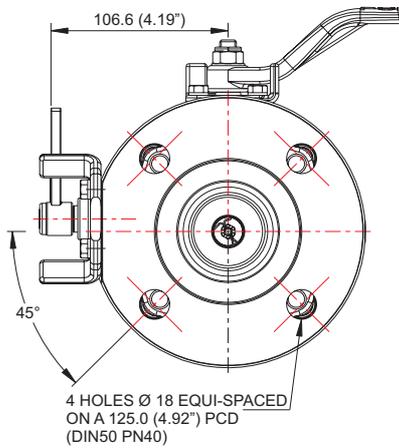
**Range**

Part No.	Description
802B/0010R	2" Vapour Phase Footvalve. 1.75" ACME outlet, right hand operation
802B/0010L	2" Liquid Phase Footvalve, 3.25" ACME outlet, left hand operation

A detailed step-by-step maintenance manual is available for our gas footvalves. Please contact our Sales team for further information.

**Fitting Details**

Example shown : 802B/0010L



**Parts drawing**

**SEAL KIT**

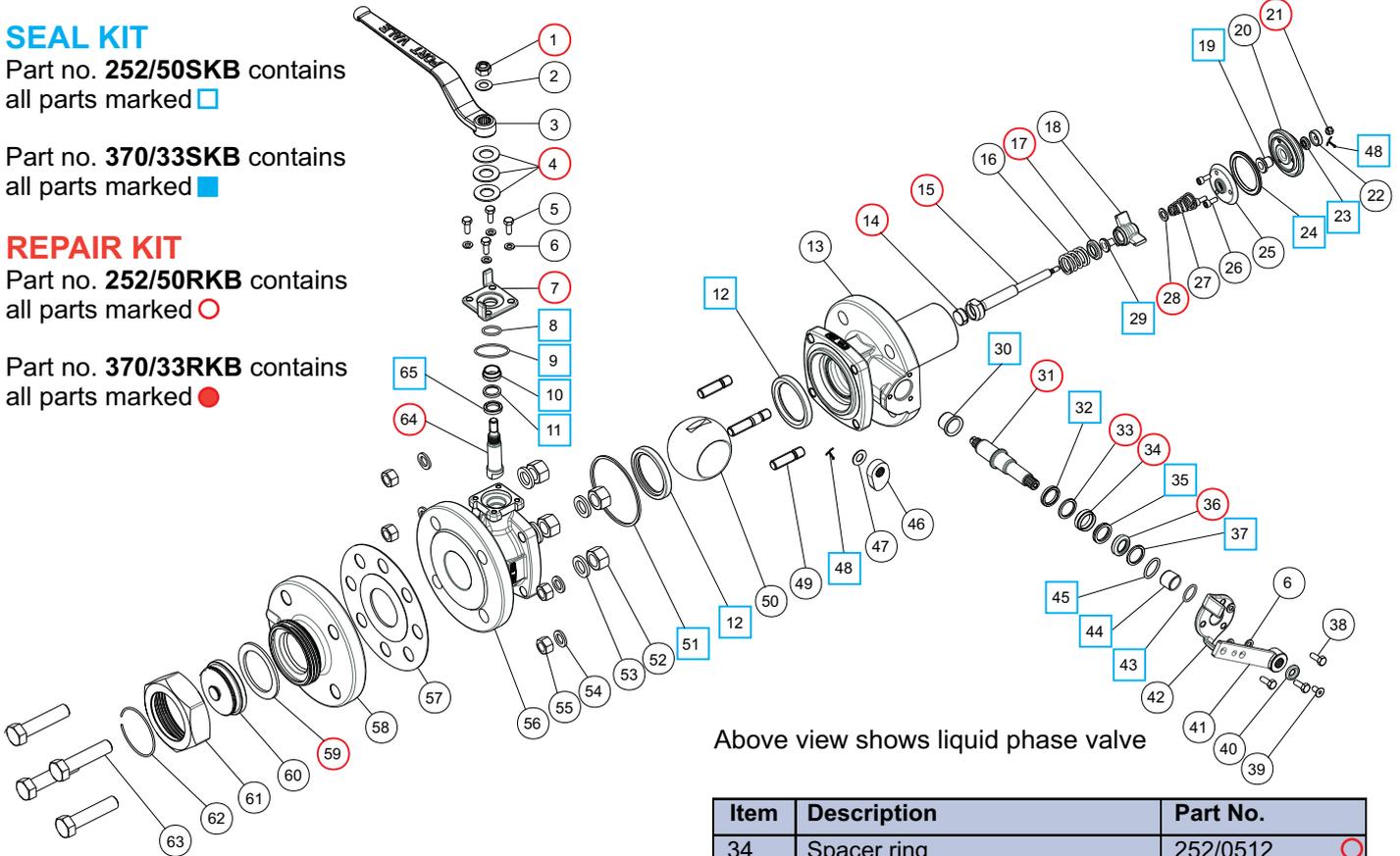
Part no. **252/50SKB** contains all parts marked ■

Part no. **370/33SKB** contains all parts marked ■

**REPAIR KIT**

Part no. **252/50RKB** contains all parts marked ○

Part no. **370/33RKB** contains all parts marked ●



Above view shows liquid phase valve

Item	Description	Part No.	
1	M10 self locking nut	5112-008	●
2	M10 washer	5113-009	
3	Handle	370/3306	
4	Disc spring (3)	5113-038	●
5	M6 hex head bolt (4)	5111-022	
6	M6 spring washer (7)	5113-008	
7	Clamp plate	370/3305B	●
8	Neoprene O ring	5005-216	■ ●
9	Neoprene O ring	5005-866N	■ ●
10	Spindle bush	370/3307B	■ ●
11	Spindle seal	359/2007	■ ●
12	PTFE ball seal (2)	370/3302	■ ●
13	2" Footvalve body	252/5065X	
14	Fluorosint bearing pad	252/0580	○
15	Push stem	252/0525	○
16	Poppet spring	5104-826	
17	Bottom spring pad	252/0526	○
18	Spider stem guide	252/3165	
19	Spindle guide bush	252/0589	■ ○
20	Poppet head	252/0586	
21	M5 castle nut	5112-020	○
22	Pilot seal retainer	252/0579	
23	Pilot seal	252/0583	■ ○
24	PTFE main seal	252/0563	■ ○
25	Seal clamp	252/0588	
26	M5 sockethead capscrew (3)	5111-118	
27	Liquid phase spring	5104-824L	
	Gas phase spring	5104-821G	
28	Spring location washer	252/0511	
29	Push stem guide bush	252/0565	■ ○
30	Bottom guide bush	252/0506B	■ ○
31	Spindle	252/0504	○
32	Bottom stem seal	359/4007	■ ●
33	Spacer ring	359/4012	○

Item	Description	Part No.	
34	Spacer ring	252/0512	○
35	Top gland seal	359/4013	■ ○
36	Top seal bush	252/0507	○
37	Top guide bush	252/0502B	■ ○
38	M6 hex head bolt (3)	5111-022	
39	M6 countersunk screw	5111-018	
40	Retaining washer	20370	
41	Handle weld assembly	252/3520	
42	Stuffing plate	252/5058B	
43	Neoprene O ring	5005-216	■ ○
44	Split bearing	252/0517	■ ○
45	Neoprene O ring	5005-217	■ ○
46	Operating cam	252/0527	
47	M10 washer	5113-009	
48	Split pin (2)	5118-011	■ ○
49	M12 stud (4)	370/3314	
50	50mm ball	370/3301	
51	Body seal	370/3303	■ ●
52	M16 full nut (4)	5112-003	
53	M16 spring washer (4)	5113-012	
54	M12 spring washer (4)	5113-010	
55	M12 full nut (4)	5112-006	
56	2" gas ball valve body	370/3368	
57	CNAF/PTFE envelope gasket	5005-726	
58	3.25" ACME outlet	252/2069	
	1.75" ACME outlet	252/2084	
59	PTFE seal (3.25" ACME)	5005-877	●
	PTFE seal (1.75" ACME)	5005-878	●
60	3.25" ACME cap plug	252/2076	
	1.75" ACME cap plug	252/2086	
61	3.25" ACME dust cap	252/2075	
	1.75" ACME dust cap	252/2085	
62	Retaining ring clip (3.25" ACME)	5120-027	
	Retaining ring clip (1.75" ACME)	5120-028	
63	M16 hex head bolt (4)	5111-090	
64	Spindle	370/3320	●
65	Bottom bush	370/3321	■ ●



2" Liquid Phase Excess Flow Gas Footvalve - with 70° actuator. 500 PSI (34.5 Bar) pressure rating. Inlet flange drilled 8 x 18mm holes on a 127mm PCD. 2" ASA 300lbs. Contact parts manufactured in 316 stainless steel.

Options - gas phase footvalve available.

## Specification

Weight	9 Kgs
Design Pressure	34.5 Bar (500 PSI)
Service Test Pressure	61 Bar (884.5 PSI)
Design Temperature Range	-55°C to 80°C (-67°F to 176°F)

Design approval by Lloyds Register of Shipping and Russian Maritime Register of Shipping

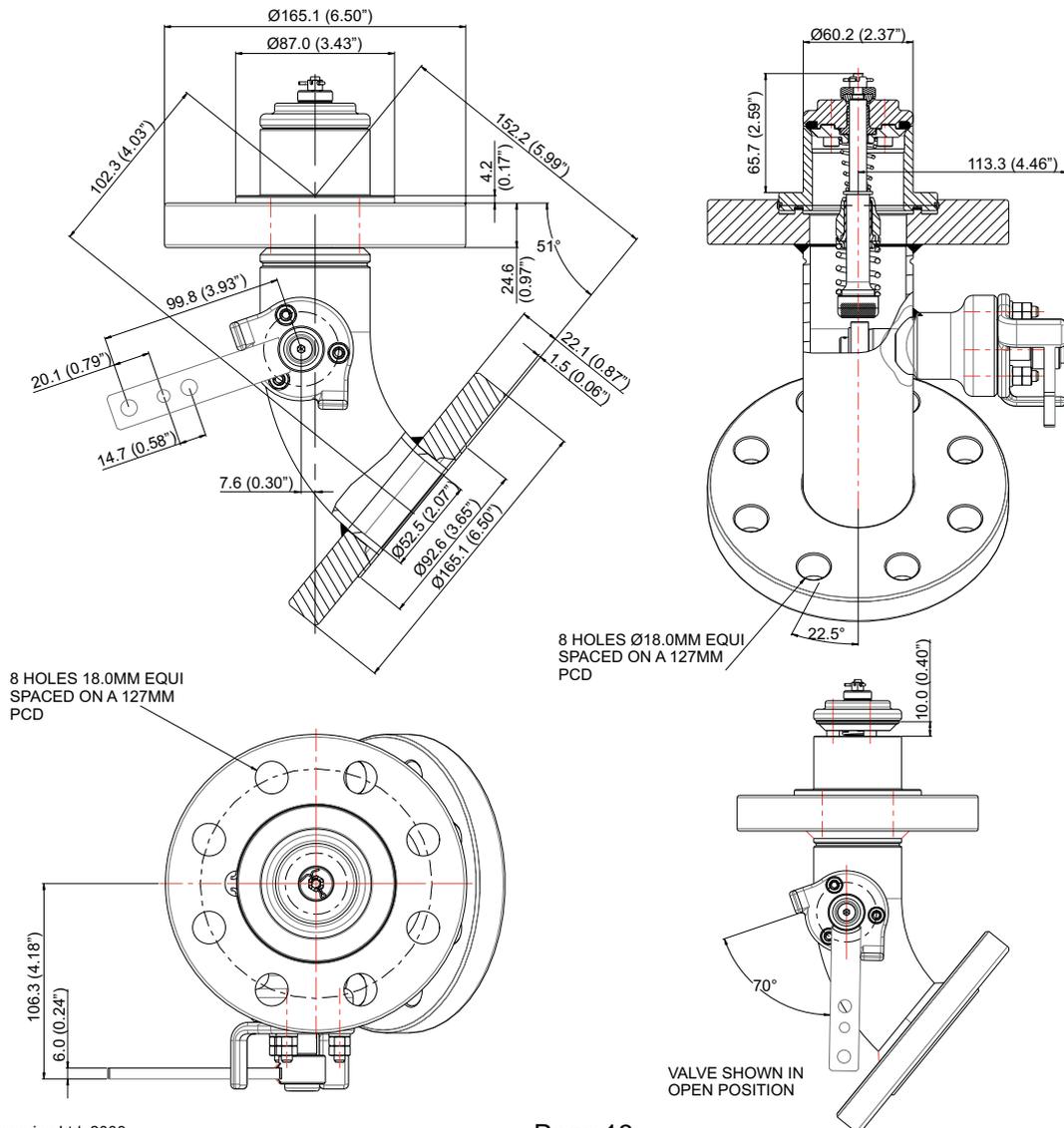
All valves may be manufactured to TPED.

## Range

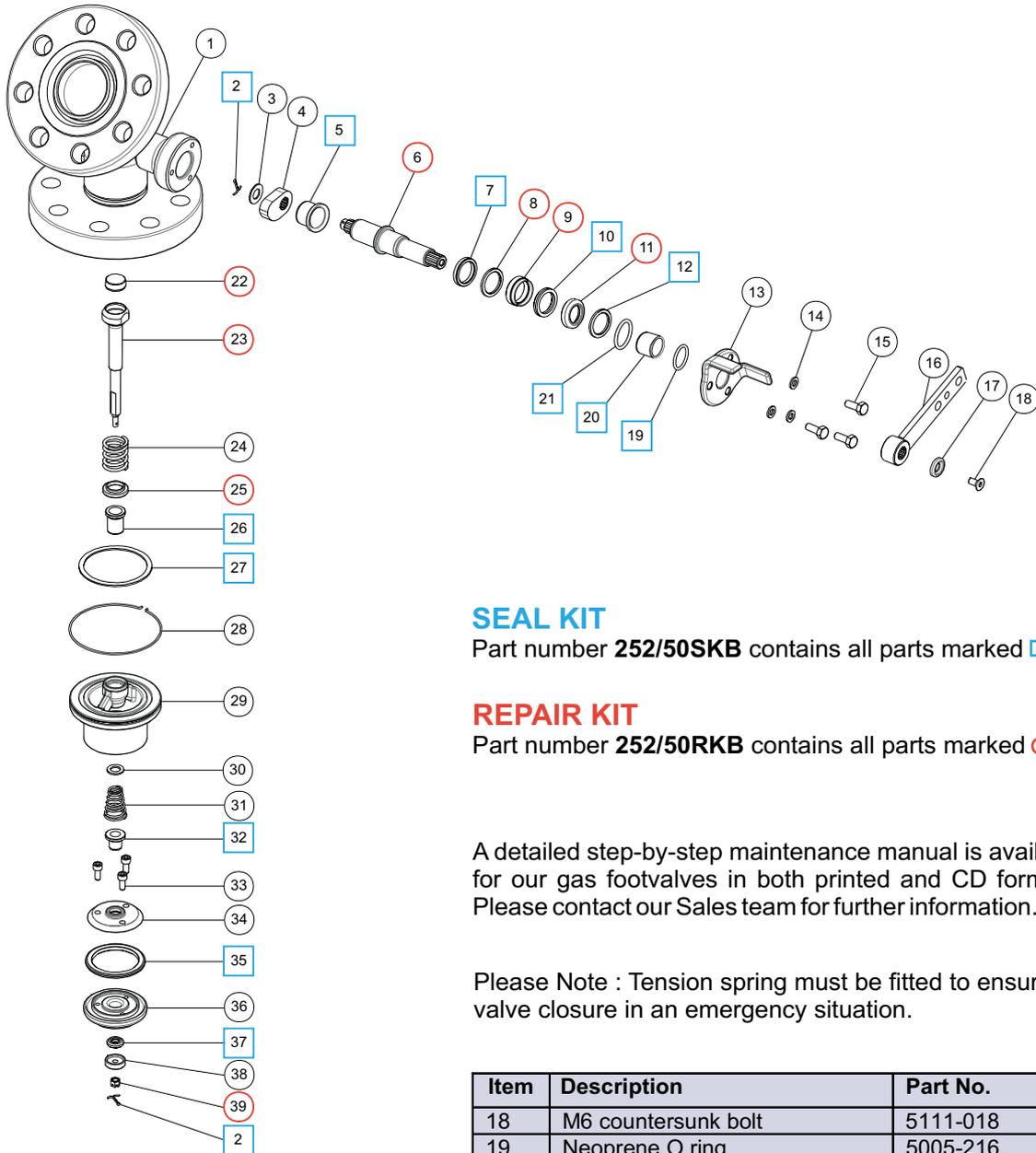
Part No.	Description
252/3750B	2" Liquid phase excess flow gas footvalve with 70° actuator
252/3760B	2" Vapour phase excess flow gas footvalve with 70° actuator

## Fitting Details

Example shown : 252/3750B



Parts drawing



**SEAL KIT**

Part number **252/50SKB** contains all parts marked

**REPAIR KIT**

Part number **252/50RKB** contains all parts marked

A detailed step-by-step maintenance manual is available for our gas footvalves in both printed and CD formats. Please contact our Sales team for further information.

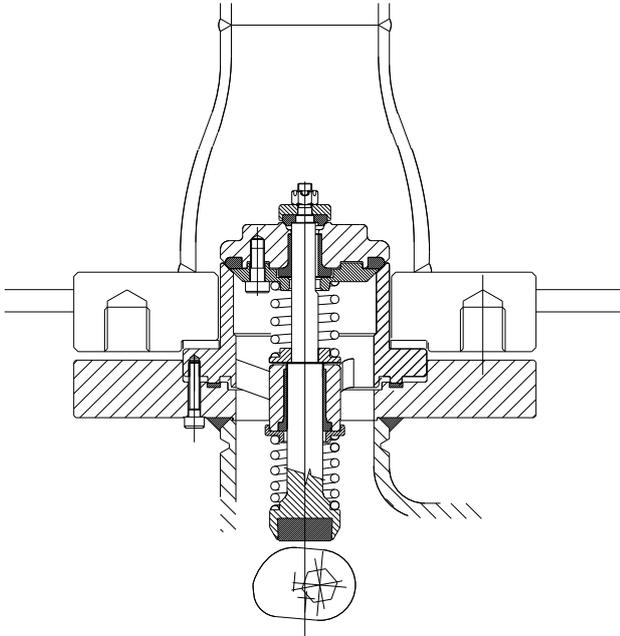
Please Note : Tension spring must be fitted to ensure valve closure in an emergency situation.

Item	Description	Part No.
1	2" gas valve body	252/3755A
2	Split pin (2)	5118-011 <input type="checkbox"/> <input type="radio"/>
3	M10 washer	5113-009
4	Operating cam	252/0527
5	Bottom guide bush	252/0506 <input type="checkbox"/> <input type="radio"/>
6	Spindle	252/0504 <input type="radio"/>
7	Bottom stem seal	359/4007 <input type="checkbox"/> <input type="radio"/>
8	Spacer ring	359/4012 <input type="radio"/>
9	Spacer ring	252/0512 <input type="radio"/>
10	Top gland seal	359/4013 <input type="checkbox"/> <input type="radio"/>
11	Top seal bush	252/0507 <input type="radio"/>
12	Top guide bush (B series valve)	252/0502B <input type="checkbox"/> <input type="radio"/>
13	Stuffing plate	252/5058B
14	M6 spring washer (3)	5113-008
15	M6 hex head bolt (3)	5111-022
16	Handle	252/3520
17	Retaining washer	20370

Item	Description	Part No.
18	M6 countersunk bolt	5111-018
19	Neoprene O ring	5005-216 <input type="checkbox"/> <input type="radio"/>
20	Split bearing	252/0517 <input type="checkbox"/> <input type="radio"/>
21	Neoprene O ring	5005-217 <input type="checkbox"/> <input type="radio"/>
22	Fluorosint bearing pad	252/0580 <input type="radio"/>
23	Push stem	252/0525 <input type="radio"/>
24	Poppet spring	5104-826
25	Bottom spring pad	252/0526 <input type="radio"/>
26	Push stem guide bush	252/0565 <input type="checkbox"/> <input type="radio"/>
27	Body top gasket	5005-571 <input type="checkbox"/> <input type="radio"/>
28	Snap ring	5120-036
29	Inlet tube	252/0535
30	Spring location washer	252/0511
31	Pilot spring (part no varies)	5104-XXXX
32	Poppet guide bush	252/0589 <input type="checkbox"/> <input type="radio"/>
33	M5 cap screw (3)	5111-118
34	Seal clamp plate	252/0588
35	Main seal	252/0563 <input type="checkbox"/> <input type="radio"/>
36	Poppet body	252/0586
37	Pilot seal	252/0583 <input type="checkbox"/> <input type="radio"/>
38	Pilot seal housing	252/0579
39	M5 castle nut	5112-020 <input type="radio"/>

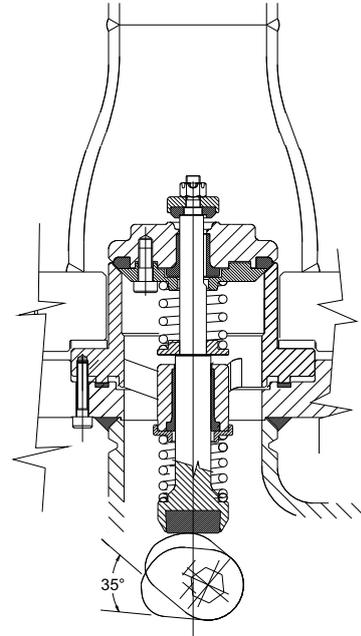
## A. Valve in Closed Position

Spring and pressure in tank holds valve closed.



## B. High Bleed Position

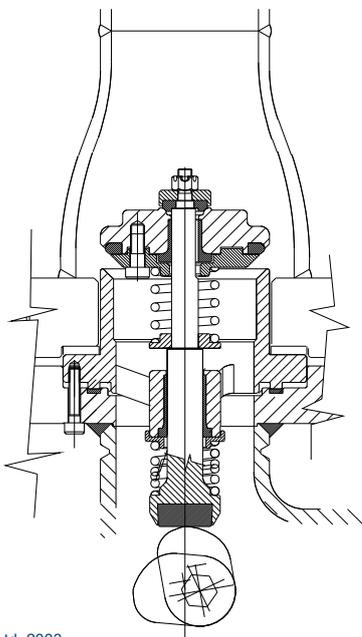
With the lever operated to bring the cam into contact with and partially moving the stem and consequently opening the pilot seat to allow the product to bleed quickly downstream.



## C. Fully Open Position

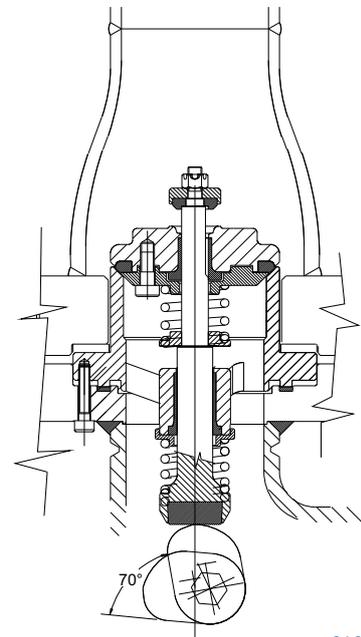
Once the downstream pressure is equal to the pressure in the tank, the excess flow spring opens the main poppet. This action enables the main valve to function in the role of product transfer acting as an excess flow valve.

**Note** : only when the valve is open can the compressor or pump be activated.



## D. Low Bleed Emergency Closed Position

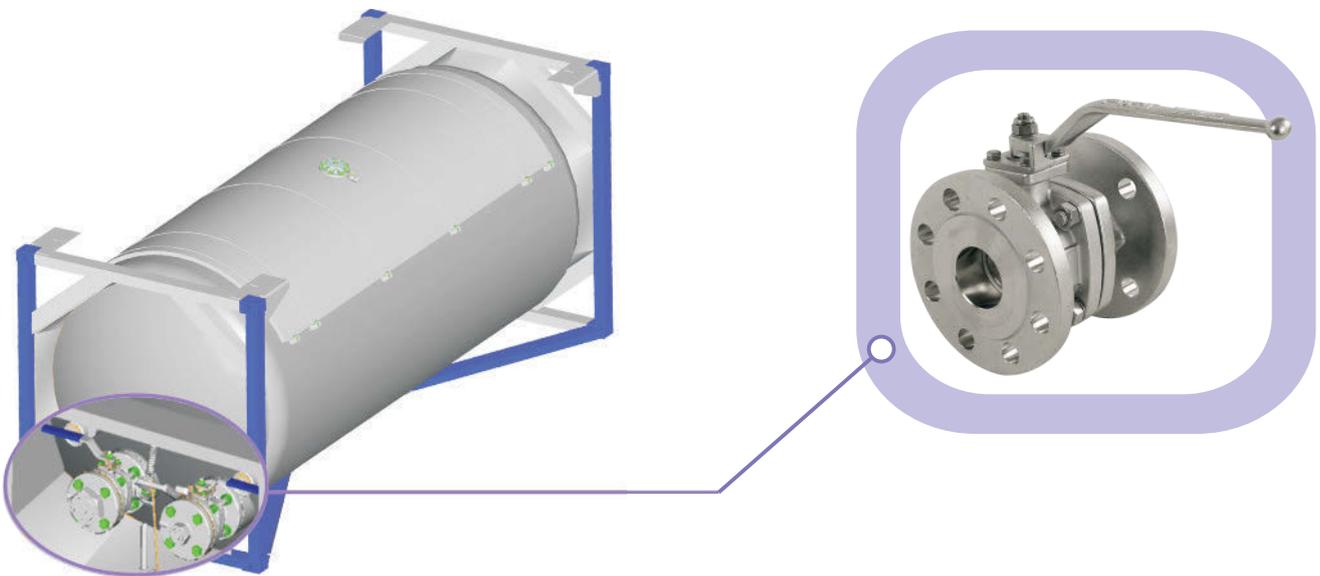
With the main poppet now open, only pressure above the excess flow emergency valve's flow spring rating or a surge in flow would cause the poppet to close. At which point the pilot continues to allow a small amount of product to flow until the lever is moved to its closed position, the cam breaks contact with the valve stem and the pilot valve closes and seals the system.



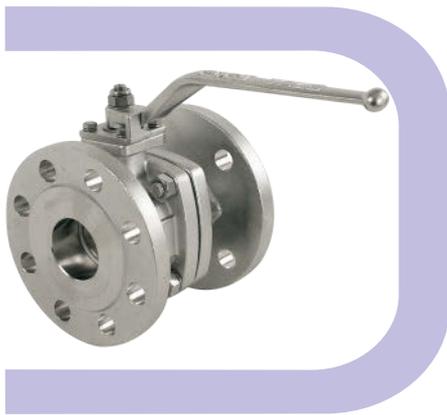




BALL  
VALVE  
//



# BALL VALVE

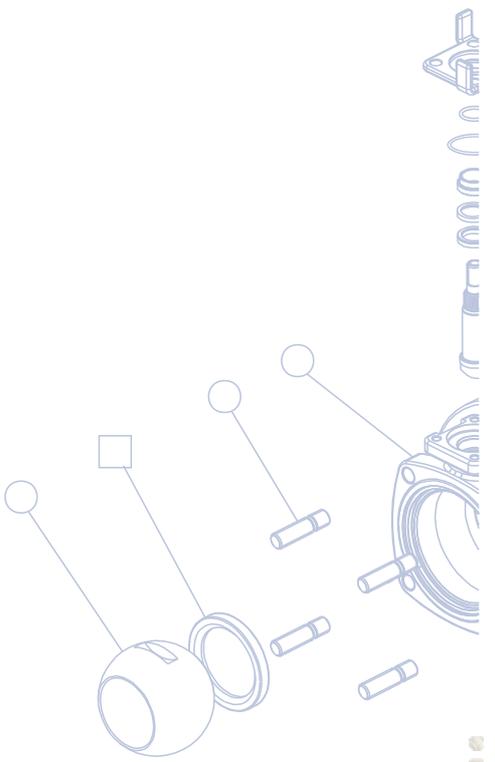


The Fort Vale **2" gas ball valve** is a two-piece full bore valve. This ensures easy dismantling, fast refurbishment and unrestricted flow through the valve for minimum loading / unloading time.

It operates by a quarter turn of the handle and is fitted with PTFE seals throughout.

Like the rest of the gas equipment, it is fully tested and meets the requirements of the IMDG and CFR codes, with a MAWP of 34 Bar.

The gas phase and liquid phase are interchangeable to simplify maintenance and the handles can be fitted to the right or left to suit your requirement.





**2" Full Bore Gas Ball Valve** - DN 50 PN 40 high pressure valve. Flange drilling: 4 x 18mm holes on a 127mm PCD (2" ASA150) and 8 x 18mm holes on a 127mm PCD (2" ASA 300). Right hand operation. Contact parts manufactured in 316 stainless steel with PTFE seals.

**Options** - outlet flange supplied with 1/8" NPT connection to fit bleed valve. Other flange drillings available. Left hand operation.

**Specification**

Weight	9 Kgs
Design Pressure (MAWP)	34.5 Bar (500 PSI)
Service Test Pressure	70 Bar (1015 PSI)
Design Temperature Range	-50°C to 80°C (-58°F to 176°F)

Design approval by Lloyds Register of Shipping and Russian Maritime Register of Shipping.

All valves may be manufactured to TPED.

**Range**

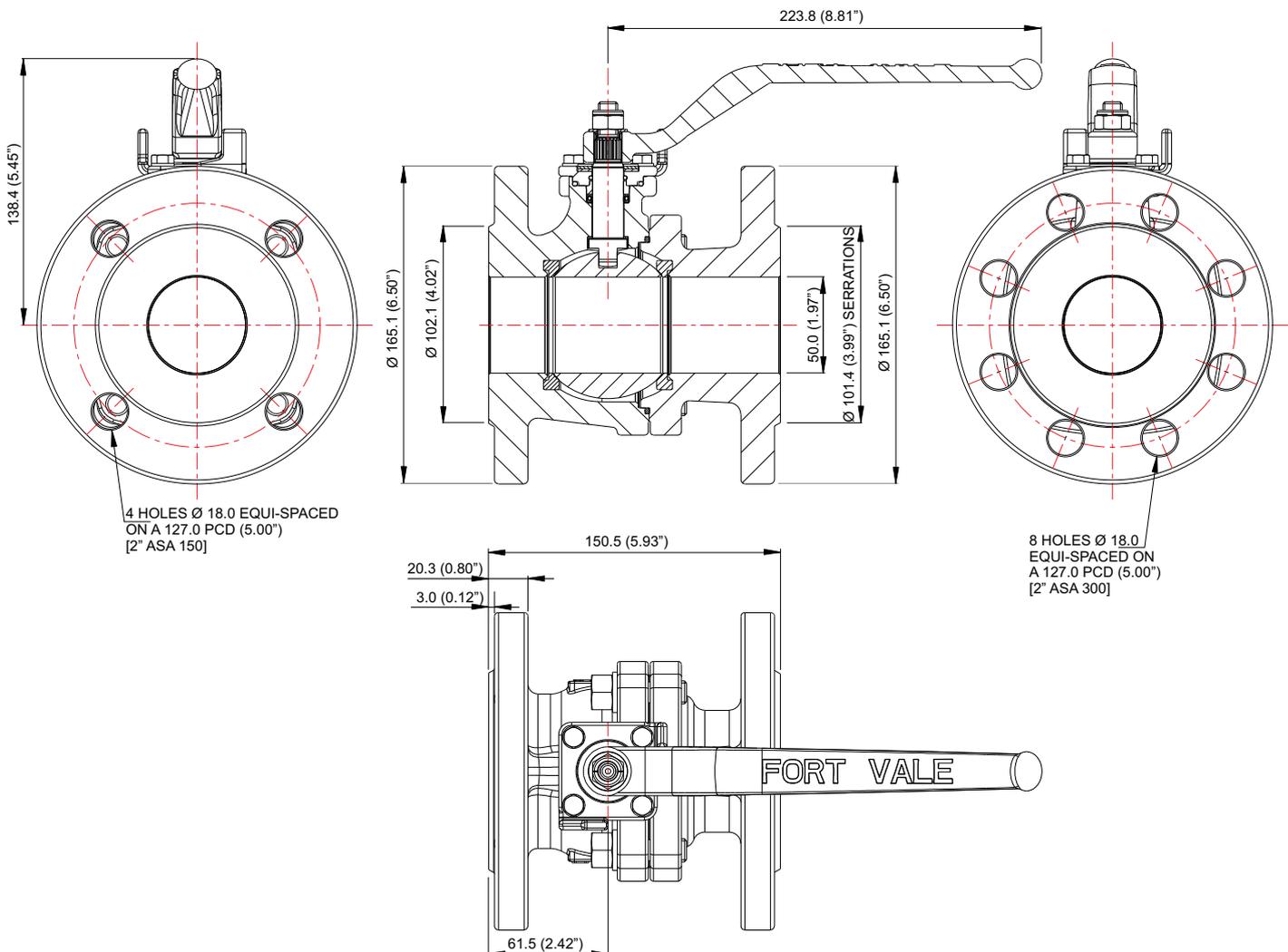
Part No.	Description
370/3335B	2" ASA 300lb right hand valve
370/3300B	DN 50 PN 40 right hand valve
370/3400B	DN 50 PN 40 left hand valve

**Associated Parts**

Part No.	Associated Parts
252/2095	Blind flange (2" ASA 300 lbs)

**Fitting Details**

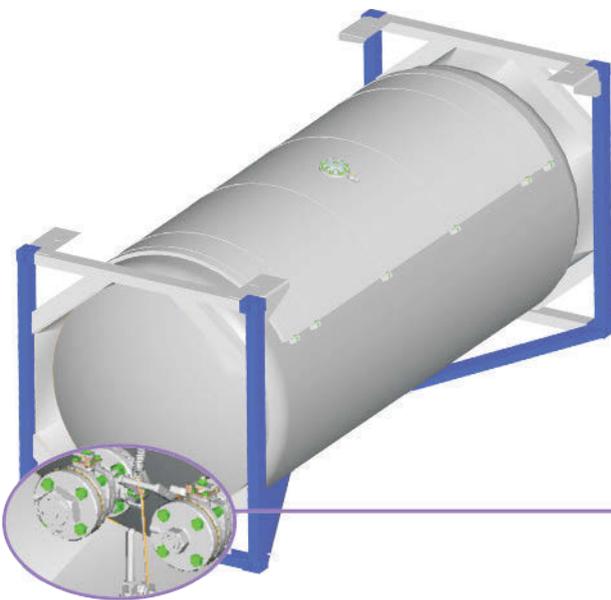
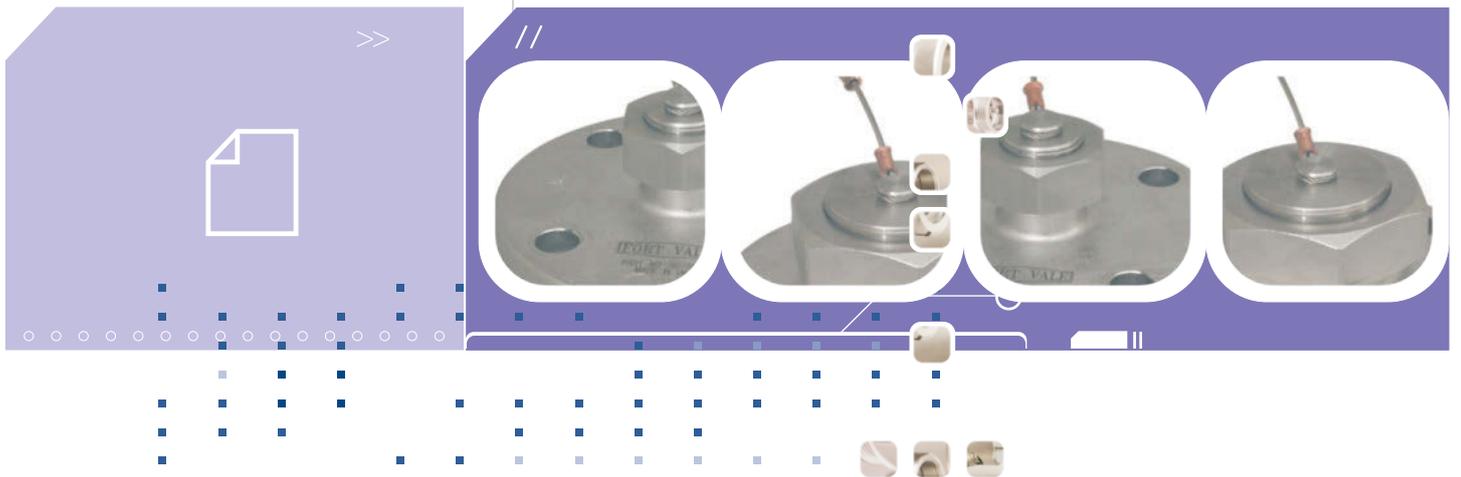
Example shown : 370/3335B







ACME  
OUTLET  
ASSEMBLIES  
//



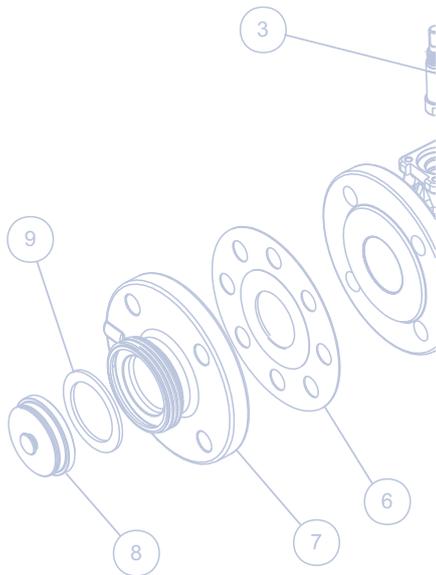
# ACME OUTLET ASSEMBLIES



Our **outlet flange connections** are made to the modified ACME thread common on gas tank containers throughout the world.

In addition, the flange is equipped with a connection for a sample or bleed valve or a pressure gauge.

The outlet spigot has a bleed hole to relieve any remaining pressure in the outlet before the cap is removed - making this operation safe to the operative.



### 1.75" ACME Outlet Assembly



#### PART NUMBER : 252/2087

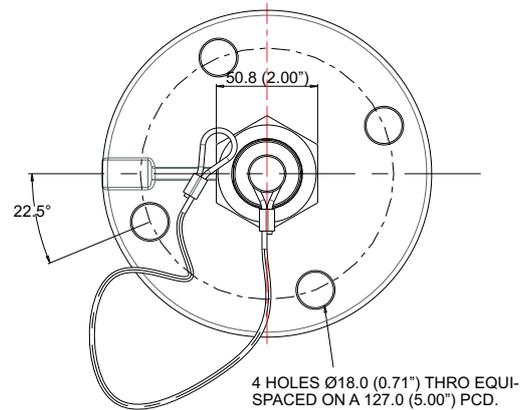
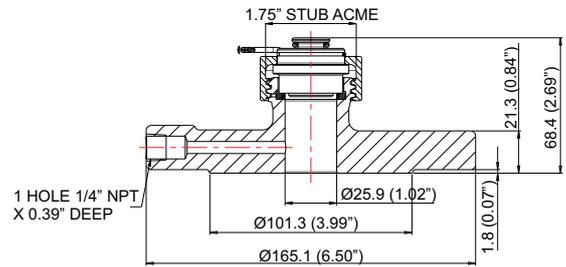
1.75" ACME outlet spigot complete with cap and PTFE seal. Drilled 4 x 18mm holes on a 127mm PCD. Manufactured in 316 stainless steel.

This assembly is suitable for gas phase applications.

May be manufactured to TPED.

#### PARTS LIST

Description	Part No.
1.75" ACME outlet	252/2080
1.75" ACME dust cap	252/2085
1.75" ACME cap plug	252/2086
PTFE seal for 1.75" ACME dust cap	5005-878
Retaining ring clip for 1.75" ACME	5120-028
Captivating wire	425/0004



### 3.25" ACME Outlet Assembly



#### PART NUMBER : 252/2077

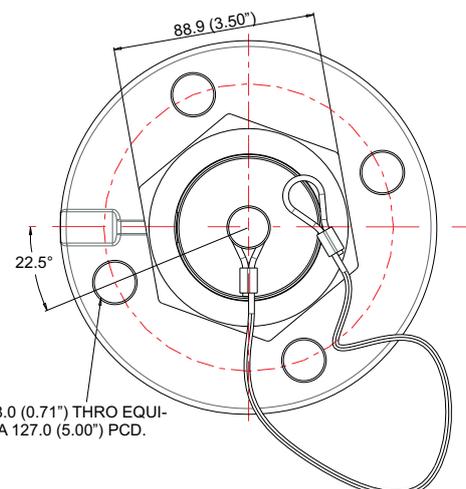
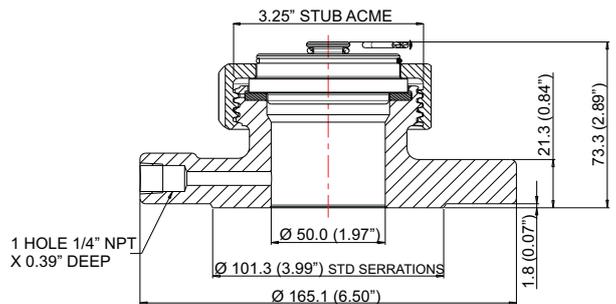
3.25" ACME outlet spigot complete with cap and PTFE seal. Drilled 4 x 18mm holes on a 127mm PCD. Manufactured in 316 stainless steel.

This assembly is suitable for liquid phase applications.

May be manufactured to TPED.

#### PARTS LIST

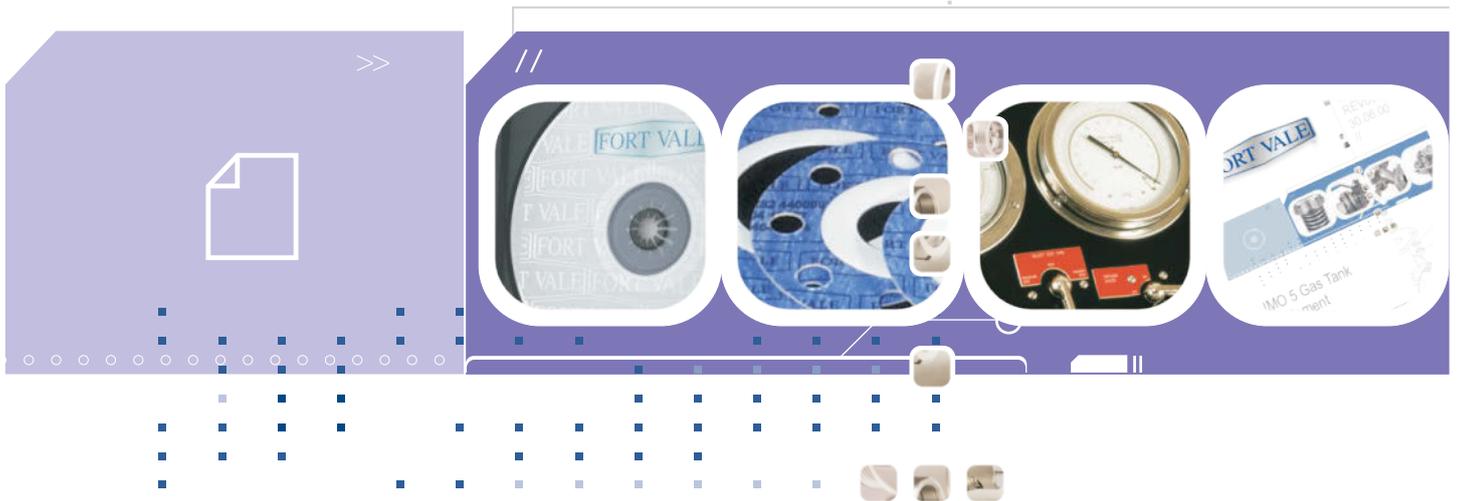
Description	Part No.
3.25" ACME outlet	252/2070
3.25" ACME dust cap	252/2075
3.25" ACME cap plug	252/2076
PTFE seal for 3.25" ACME dust cap	5005-877
Retaining ring clip for 3.25" ACME	5120-027
Captivating wire	425/0004







AFTER SALES  
//



- >> Spares
- >> Repairs
- >> Maintenance
- >> Distributors

# AFTER SALES



The Fort Vale system does not stop at the supply of valves to tank manufacturers, we pride ourselves in offering a worldwide **after sales service** to all our end users.

With Fort Vale subsidiaries in Texas USA, Rotterdam, Moscow, Shanghai and Singapore and a genuine worldwide **distributorship network** holding substantial stocks of spares at controlled retail prices, your container can be repaired anywhere with minimum down-time.

To ensure that your staff can be trained to repair our valves quickly and competently, we offer a series of **maintenance manuals** on compact disc. Each is illustrated with step-by-step photos and concise instructions on how to repair our products and test them before re-fitting.

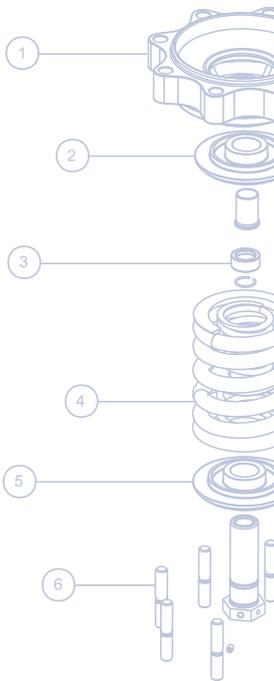
Sets of specialist **tools** are also available to ensure that all seals are fitted correctly and without damage to the seal or the valve, which in turn keeps costs and down-time to a minimum.



# MAINTENANCE



To help with the maintenance of your tanks, Fort Vale offers a Maintenance Manual on CD which includes a step-by-step photographic tutorial and states tool requirements for the whole range of gas valves fitted to your tank.



In addition, Fort Vale has an established worldwide network of distributors to help you with your spares logistics.





**Fort Vale UK**  
**Head Office & Manufacturing Plant**

Tel : +44 (0)1282 687120  
Fax : +44 (0)1282 687110  
Email : sales@fortvale.com

**Fort Vale USA**

Tel : +1 281 471 8100  
Fax : +1 281 471 8116  
Email : ussales@fortvale.com

**Fort Vale Netherlands**

Tel : +31 (0)180 483333  
Fax : +31 (0)180 410797  
Email : bvsales@fortvale.com

**Fort Vale Russian Federation**

Tel : +7 916 682 0947  
Email : rw@fortvale.ru

**Fort Vale P.R. China**

Tel : +86 21 6442 1367  
Fax : +86 21 6442 1376  
Email : cnsales@fortvale.com

**Fort Vale Singapore**

Tel : +65 6515 9950  
Fax : +65 6515 3034  
Email : sgsales@fortvale.com

**Fort Vale Australia**

Tel : +61 7 3310 4854  
Email : ausales@fortvale.com

[www.fortvale.com](http://www.fortvale.com)

All goods supplied will be subject to Fort Vale Engineering Ltd Terms and Conditions of Sale (Ref. FV4) which are available upon request, or may be viewed at [www.fortvale.com](http://www.fortvale.com).

Please note that this brochure and the contents herein remain the property of Fort Vale Engineering Limited.

This brochure may not be copied or reproduced, or the information contained herein divulged to any third party without the prior written permission of Fort Vale Engineering Limited.

Repair/refurbishment/resetting of Fort Vale valves may be carried out only by trained and authorised personnel. Fort Vale Engineering Limited shall not, in any circumstances, be liable for injuries, losses, expenses or damage, direct or consequential, sustained by the buyer or any person which may in any degree be attributable to the adoption, either by the buyer or any third party, of technical or other information, data or advice given on behalf of Fort Vale Engineering Limited or however otherwise caused in relation to the use of its products in accordance with Fort Vale Engineering Limited's recommendation.

The specifications included in this catalogue are intended to be generic and must be interpreted as equivalent or functionally equivalent. The identification of many items is facilitated by illustrations (photographs and line drawings). The mention of, or reference to specific companies, national standards, or trade names, including those that might appear on the photographs, is intended for illustration purposes only. It does not imply an endorsement, preference or availability of any specific standard, brand or supplier.

The data and information contained herein is being provided for information only and without responsibility, and Fort Vale Engineering Limited makes no representations or warranties, either expressed or implied, as to the accuracy, completeness, or fitness for a particular purpose. Fort Vale Engineering Limited does not accept any responsibility or liability with regard to the reliance on, or use of this data and information.

