

3" 45° MKIII Highlift Footvalve - inlet flange drilled 8 x 14mm holes equi-spaced on a 178mm PCD; outlet flange drilled 4 x 17mm holes on a 160mm PCD. Contact parts manufactured in 316 stainless steel with Fortyt main seal as standard.

Options - Other poppet seal materials available. Footvalve may be manufactured in other metals. Full range of 30°, 90° and 180° Highlift footvalves. Steam heated option. Available with integral Hastelloy seat area. A range of bolting kits and outlet gaskets are available.

Specification

Weight	8.9 Kgs *See note
Design Pressure (MAWP)	4 Bar (58 PSI)
Hydraulic Test Pressure	6 Bar (87 PSI)
Design Temperature Range	-40°C to 200°C -40°F to 392°F

* NB Weight and dimensions vary according to valve specification

To ensure that the tank remains sealed in the event of an accident, the valve body incorporates a shear groove, designed to fail in such a way as to leave the internal part of the valve closed and attached to the tank body.

Design approval by Lloyds Register of Shipping
Approved to EN14433:2006

Range

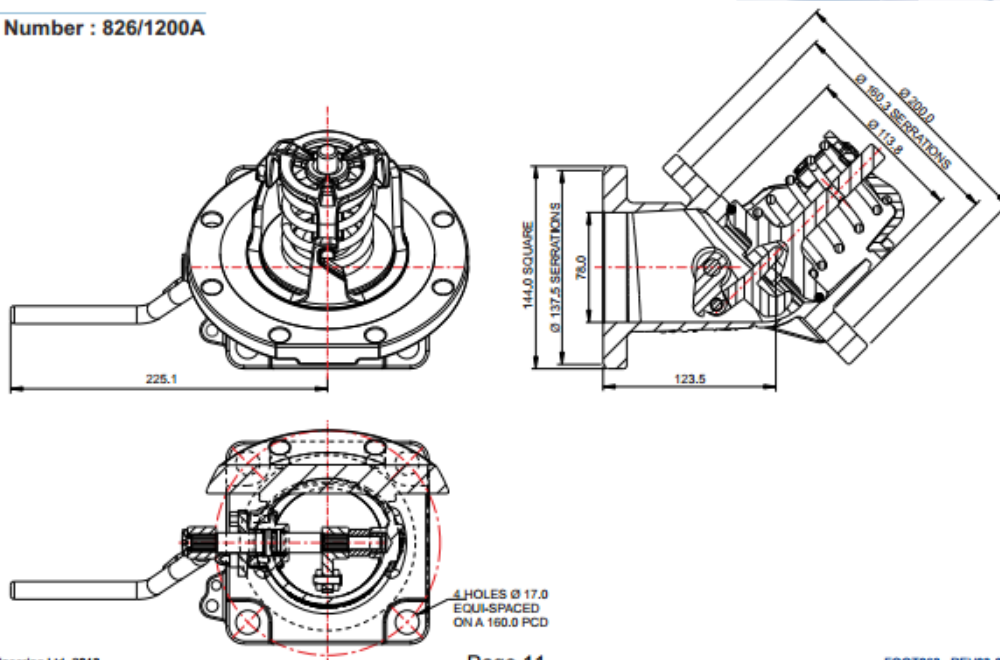
Part No.	Flange drilling
826/1200A	4 hole outlet to suit clamped butterfly valve
826/1200AHS	4 hole - integral Hastelloy seat area to inlet

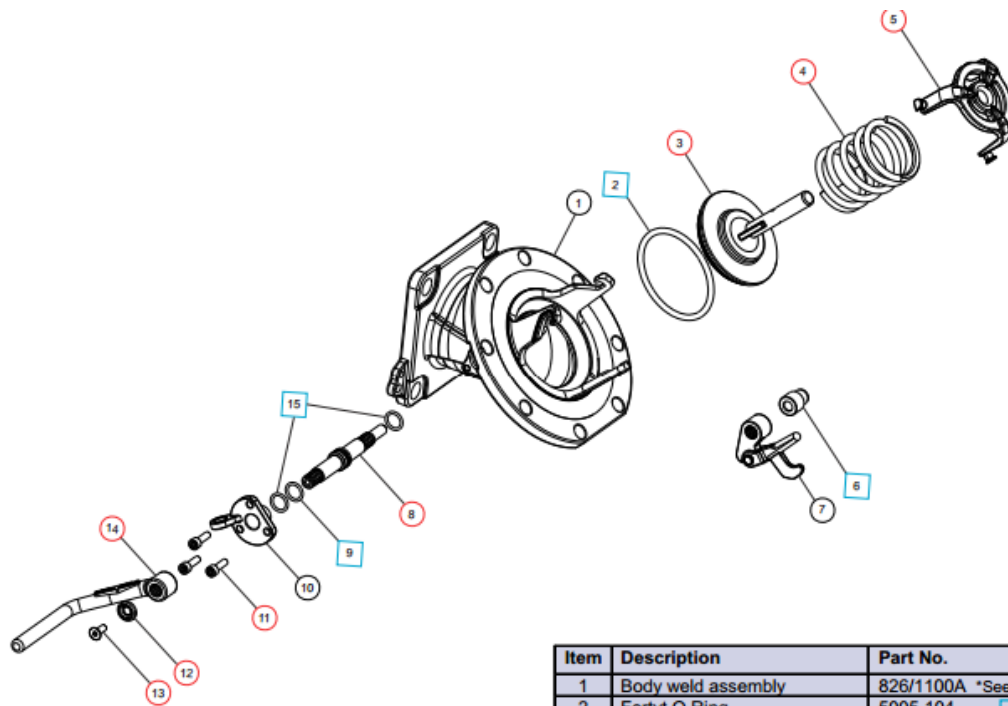
Associated Parts

Associated Parts	Part No.
Tank pad	324/9000
Stud kit	324/2070
Standard bolting kit - 4 hole outlet	311/3500
8 hole inlet gasket - CNAF/PTFE	5005-015
Standard outlet gasket - CNAF/PTFE	5005-049

Fitting Details

Part Number : 826/1200A





SEAL KIT

Part number **826/00SK**

Contains all parts marked □

REPAIR KIT

Part number **826/00RKA**

Contains all parts marked ○

Item	Description	Part No.
1	Body weld assembly	826/1100A *See note
2	Fortyt O Ring	5005-104 □ ○
3	Solid poppet	324/2020 ○
4	Spring	5104-971 ○
5	Spring top plate	290/6104 ○
6	PTFE crankshaft end bush	20362 □ ○
7	Crank block assembly	821/0300
8	Spindle	821/0010 ○
9	Viton O ring	20361 □ ○
10	Stuffing clamp	324/1001
11	M6 capscrew (3)	5111-017 ○
12	Handle retaining washer	20370 ○
13	Handle retaining screw	5111-030 ○
14	Handle	330/5010 ○
15	PTFE O ring (2)	20363 □ ○

*100 Best engineering according to your specification



3" Blacko Ball Valve - inlet flange drilled 6 x 14mm holes (see below) on a 168mm PCD; 3" BSP male outlet connection. Left hand operated with TIR facility to handle. Contact parts manufactured in 316 stainless steel with PTFE seals.

Options - Right hand operation. Steam heated version.

Specification

Weight	15.9 Kg
Design Pressure (MAWP)	7 Bar (101.5 PSI)
Hydraulic Test Pressure	10.5 Bar (152.3 PSI)
Design Temperature Range	-29°C to 200°C (-20°F to 392°F)

M12 bolts torque setting : 50 Nm (37 LBF FT)

Approved to BS EN14432

Range

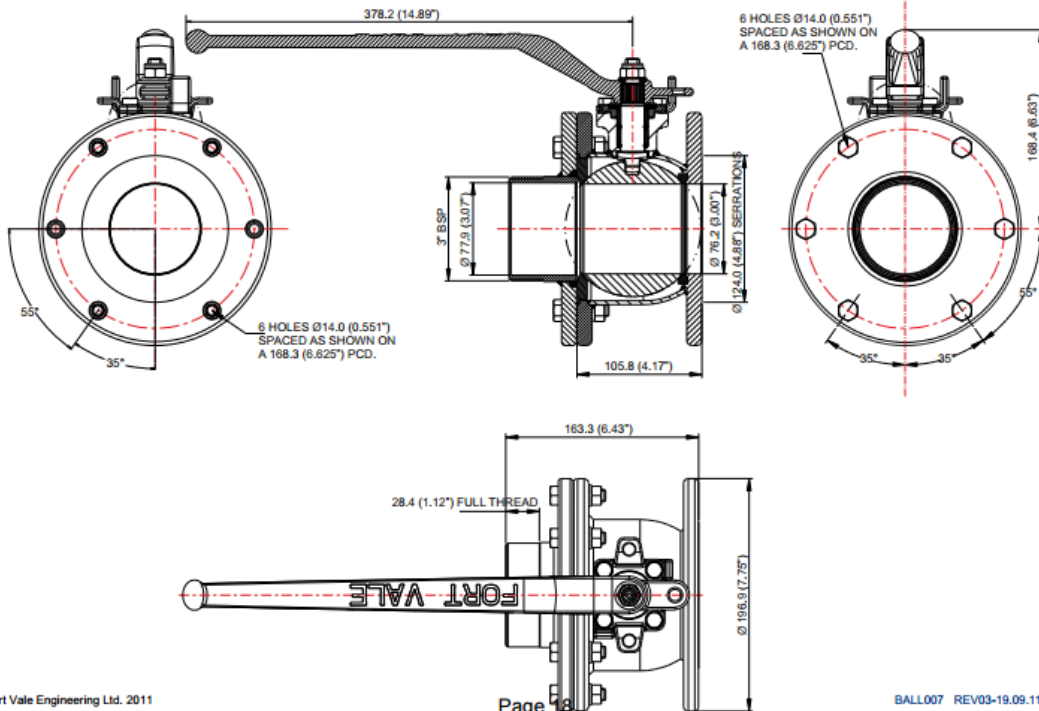
Part No.	Description
360/5000L	Left hand operated, TIR
360/5000R	Right hand operated, TIR
360/5000XSH	Steam heated, left or right hand operated

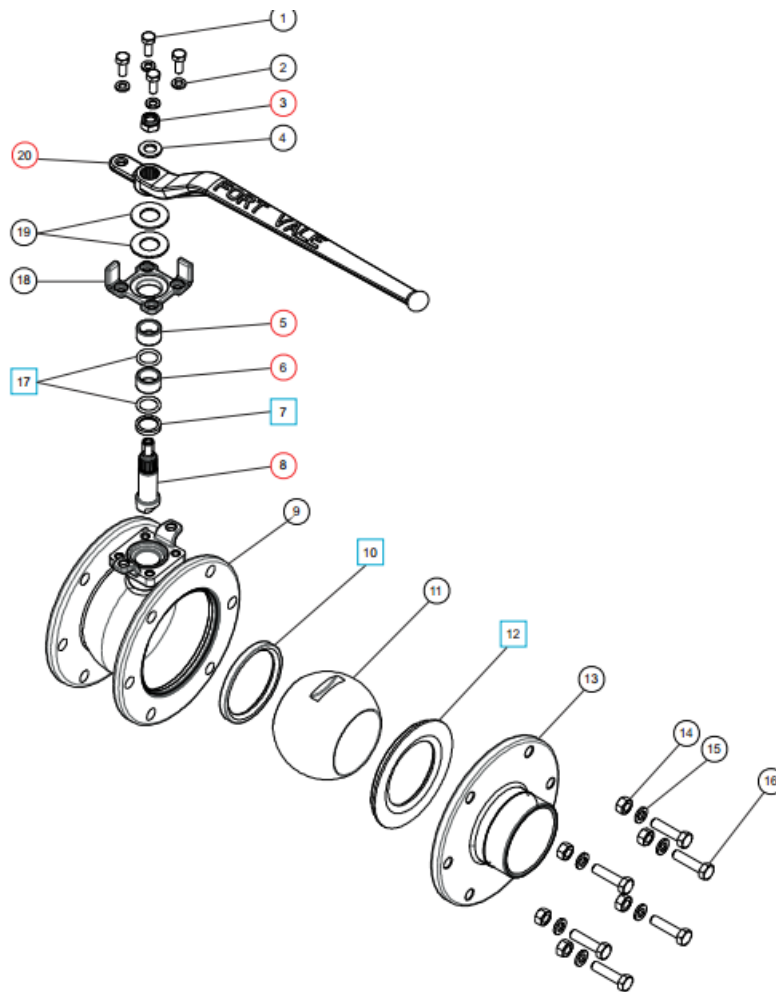
Associated Parts

Part No.	Description
20378	Mating flange
360/0300	Inlet bolting kit
20406	Bobbin adaptor for 3" table D outlet
5005-036	Outlet gasket 3" Table D
360/8070	Blind flange
311/3000	Outlet bolting kit
10303PS	3" BSP dust cap with PTFE washer
10329P	3" dust cap washer

Fitting Details

Example shown : 360/5000L





Item	Description	Part No.
1	M8 hex head bolt (4)	5111-822
2	M8 flat section spring washer (4)	5113-003
3	M12 self locking nut	5112-007 ○
4	M12 washer	5123-003
5	Top stuffing collar	360/3412 ○
6	Bottom stuffing collar	360/3413 ○
7	Bottom bearing	360/3421 □ ○
8	Spindle	360/3422 ○
9	3" flanged ball valve body	360/5014
10	Back seal	360/3402 □ ○

SEAL KIT part number **360/50SK** contains all parts marked □

Item	Description	Part No.
11	Solid ball plug	360/3401
12	Front seal	360/3405 □ ○
13	3" BSP male outlet flange	20409/14
14	M12 full nut (6)	5112-006
15	M12 flat section spring washer (6)	5113-010
16	M12 hex head bolt (6)	5111-023
17	PTFE O ring (2)	5005-113 □ ○
18	Clamp plate	360/5005
19	20mm Belleville washer (2)	5113-041
20	Handle weld assembly	360/3416 ○

REPAIR KIT part number **360/50RK** contains all parts marked ○

500mm Pendle 3 Bar Manlid/ Deep Pressed Neck Assembly

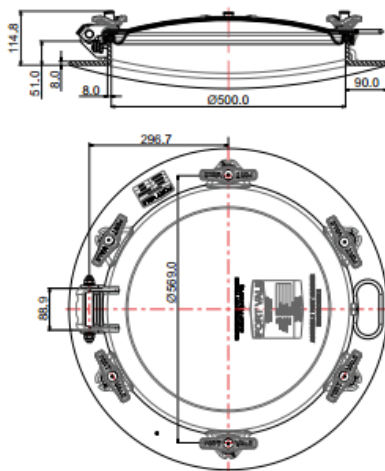


500mm Pendle Manlid Assembly - 6 point double skin manlid cover, hinged to open to 135°. Deep pressed neck/compensating ring, 51mm in height, profiled to suit a tank radius of between 850mm and 1220mm. To suit a MAWP of 3 Bar. Contact parts manufactured in 316 stainless steel with stainless steel swingbolt assemblies. Seal supplied separately.

Options - alternative necking heights. 120° opening. A variety of swingbolts and handnuts are available. Assembly may be fitted with a safebolt. Full range of 1 Bar, 3 Bar and 4 Bar assemblies. Other materials available.

Fitting Details

Example shown : E3X/63XX051X



Specification

Weight	42 Kg *See Note
Design Pressure (MAWP)	3 Bar (43.5 PSI)
Test Pressure	4.5 Bar (65.25 PSI)
Design Temperature Range	-40°C to 200°C (-40°F to 392°F)

Approved to BS EN14025

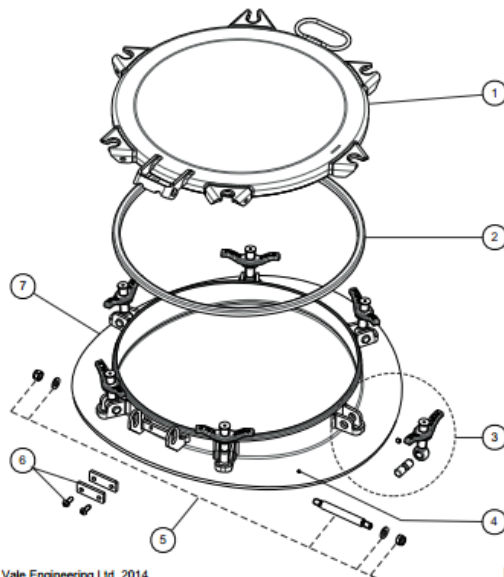
Note : Weight varies according to specification.

Range

Part No.	Neckring Type
E3X/65XX025X	28mm ultra low profile pressed neckring
E3X/63XX051X	51mm deep pressed neckring
E3X/64XX110X	110mm extended pressed neckring

"XX" in above part number indicates the tank radius. Assemblies may be profiled to a tank radius of between 850mm and 1220mm. Please specify at time of order.

Parts drawing



Item	Description	Part No.
1	Manlid	73E/0500
2	Manlid seal (sold separately)	5005-50XXX
3	Swingbolt assembly (6) *See Note A	496/XXXX
4	Grub screw	5111-009
5	Hinge pin assembly	600/1060
6	135° Fixed Hinge kit *See Note B	135B
7	Neckring *See Note B	6EP/6351XXXP

Note A : The swingbolt assembly part number varies according to the swingbolt length and the handnut material. 2 x long bolt assemblies and 4 x short bolt assemblies will be required.

Standard handnuts :

1 = naval brass

5 = stainless steel

E = stainless steel with naval brass insert

Other materials are available - please contact Fort Vale.

Note B : Part number varies according to specification.