

DESCRIPTION:

Piston valve with full stainless steel internals. Best suited for application in steam, condensate, thermic fluid and many other liquid and gas systems.

FEATURES:

Seatless & glandless valve. Perfect shut off.

Robust, maintenance free for a long duration, fully guaranteed. Only wearing parts are sealing rings, which are easily replaceable.

Can be used as regulating valves with special bush design. Tight sealing is achieved by the cylindrical, precision ground stainless steel piston.

Load on the bonnet nuts compresses the sealing rings firmly around the piston resulting in a pressure tight seal.

Resilient sealing rings made from special material suitable for any service.

Available in various material of construction based on application.

SIZES: DN15, 20

CONNECTIONS: Screwed BSP/BSPT/NPT/
SW#800

LIMITING CONDITIONS:

PMA /TMA	#800 as per API 602 PMA - 136 bar @ 38 °C
PMO	77bar @ 427 °C
Shell test	1.5 times the maximum rated pressure
Seat leakage test	1.1 times the maximum rated pressure

Design & inspection tests conform to API 602 #800 & API 598

INSTALLATION:

Piston valve should be installed in the direction of flow indicated on the body. The valve can be installed in any plane, except that the valve handwheel on the lower end should be avoided.



MAINTENANCE:

In case any leakage is observed the bonnet nuts should be tightened with the valve in fully closed position. Tightening the bonnet nuts may be repeated as and when required until the rings are worn out and no further adjustment or tightening is possible. This is the stage when the worn out sealing rings need to be replaced.

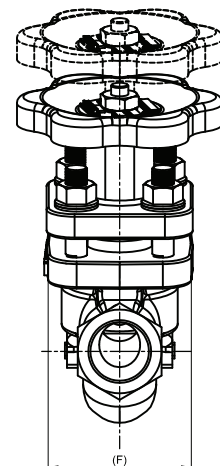
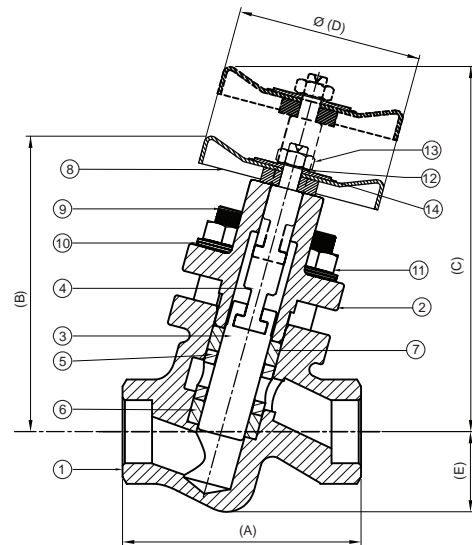
No undue force should be used during tightening the nuts, as they should move easily with a standard spanner. Care should be taken while tightening the nuts to avoid tilting of the bonnet. Also wheel spanner should not be used on the handwheel, because no undue force is required to shut the valve. This may simply damage the spindle.

IMPORTANT:

Always use the recommended tightening torque. Avoid excessive tightening, as this may cut short the life of the sealing rings. Care should be taken while removing the old sealing rings.

MATERIAL:

No.	PART	MATERIAL	QTY. (Nos.)
1.	BODY	ASTM A105	01
2.	BONNET	ASTM A105	01
3.	PISTON	AISI 304	01
4.	SPINDLE	AISI 410	01
5.	LANTERN BUSH	AISI 304	01
6.	LOWER SEAL RING	GRAPHITE WITH SS 304 REINFORCMENT	01
7.	UPPER SEAL RING	GRAPHITE WITH SS 304 REINFORCMENT	01
8.	HAND WHEEL	M.S.	01
9.	M10 STUD	ASTM A193 B7	04
10.	BELLEVILLE WASHER	50CR V4/ASTM A240 Gr 302	08
11.	M10 STUD	ASTM A194 2H	04
12.	WASHER	STD	01
13.	M8-NUT	STD	01
14.	LABEL	SS	01


DIMENSIONS - Nominal in mm

SIZE	A	B	C	ØD	E	F	Wt.(kg.)
DN15	101	106	132	95	34.5	68	2.5
DN20	101	129	159	95	34.5	68	2.4

AVAILABLE SPARES:

Piston sealing rings, Complete bonnet assembly

HOW TO ORDER:

PPV-10 DN15 BSP NIBR

ORDERING INFORMATION:

- 1) Operating pressure
- 2) Operating temperature
- 3) Size
- 4) End Connections
- 5) Fluid service
- 6) IBR / NIBR

Local regulations may restrict the use of this product below the conditions quoted. Limiting conditions refer to standard connections only. In the interest of development and improvement of the product, we reserve the right to change the specifications without prior notice.