

Download File PDF Dimensions Of Sea Power Strategic Choice In The Modern World

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An Obvious Choice

Taurus Industrial Valves

Piston Valve

TAURUS GLANDLESS PISTON VALVE is tight shut-off, long life, easy low cost maintenance, quick disassembly and reassembly and spare parts provided. **TAURUS** piston valve uses a very long, high performance and durable compression steel shaft assembly consisting of a stainless steel piston, low friction valve rings & a forged metal basket bush. The seating surface consists of the cylindrical surface of the piston and the corresponding inner surface area of the seating ring. This provides a very large seating surface compared with Globe valves with conventional design. One of the reasons for the Piston valve have excellent life.

The valve rings are made from a material specially developed and exclusively used for the manufacture of valve ring which combine tenacity of abrasion, a high quality elastomer and graphite. Valve rings are resistant to water, steam, oil, acids and other corrosive substances.

The upper seating ring acts as conventional gland packing and prevents leakage towards atmosphere. The lower seating ring acts as a seal, which prevents air leakage.

FEATURES

- Excellent seal-off, gland less longer effective seating area, 100% leak tightness assure. Easy and quick maintenance
- Durable maintenance cost negligible and minimize the plant downtime. Piston not exposed to media unaffected by Foreign Particles as disassembling through basket bush.

FINISHES

- POLISH OR CARBON STEEL AS SUPPLY
- COAT CARBON STEEL (ASTM A 216 OR WCC)
- COAT ZINC OR ALUMINUM

PISTON VALVE

- BODY CARBON STEEL (ASTM A 216 OR WCC)
- COAT ZINC OR ALUMINUM

FEATURES OF VALVE RINGS

- Excellent seal-off, gland less longer effective seating area, 100% leak tightness assure.
- Durable maintenance cost negligible and minimize the plant downtime. Piston not exposed to media unaffected by Foreign Particles as disassembling through basket bush.
- Long service life and easy maintenance.

COMMISSIONING

When new valve is put into service for the first time, it should be fully opened with the valve in the closed position by turning the cover nuts to bring the piston into contact with the valve ring. Over-tightening will cause the piston to seize within the valve ring. Check the cover nuts to bring proper seating and seating the valve. Over-tightening will cause the piston to seize within the valve ring. Check the cover nuts to bring proper seating and seating the valve.

PRECAUTION

Do not permanently tight without any trouble. When the valve are put into service the cover nuts should be lightly tightened and then the valve is opened. Do not over-tighten the valve ring fully when the piston is in the closed position. In case a leak develops, do not allow it to continue, just tighten the nuts slightly with spanner with the valve in closed position.

DIMENSIONS - ANSI CLASS 150

FACE TO FACE - ANSI CLASS 150		FACE TO FACE - ANSI CLASS 150	
SIZE	FACE TO FACE	SIZE	FACE TO FACE
1/2"	1.50	1/2"	1.50
3/4"	1.75	3/4"	1.75
1"	2.00	1"	2.00
1 1/2"	2.50	1 1/2"	2.50
2"	3.00	2"	3.00
3"	4.00	3"	4.00
4"	5.00	4"	5.00
6"	7.00	6"	7.00
8"	9.00	8"	9.00
10"	11.00	10"	11.00
12"	13.00	12"	13.00

DIMENSIONS - ANSI CLASS 300

FACE TO FACE - ANSI CLASS 300		FACE TO FACE - ANSI CLASS 300	
SIZE	FACE TO FACE	SIZE	FACE TO FACE
1/2"	1.50	1/2"	1.50
3/4"	1.75	3/4"	1.75
1"	2.00	1"	2.00
1 1/2"	2.50	1 1/2"	2.50
2"	3.00	2"	3.00
3"	4.00	3"	4.00
4"	5.00	4"	5.00
6"	7.00	6"	7.00
8"	9.00	8"	9.00
10"	11.00	10"	11.00
12"	13.00	12"	13.00

MATERIAL

PART NAME	CLASS 150	CLASS 300
BODY	CAST STEEL	CAST STEEL
PISTON	CAST STEEL	CAST STEEL
VALVE RING	CAST STEEL	CAST STEEL
SEATING SURFACE	CAST STEEL	CAST STEEL
COVER NUTS	CAST STEEL	CAST STEEL
ORIGIN	INDIA	INDIA

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