



TI Diaphragm 2-1/2" - 4"

Parts List (Sizes 2-1/2" - 4")

PARTS			
NO.	DESCRIPTION	PCS.	MATERIAL
1	Body	1	PVDF
2	Bonnet	1	PPG
3	Diaphragm	1	PTFE
3a	Diaphragm Metal Insert	1	PALLADIUM TITANIUM
4	Cushion*	1	EPDM
5	PVDF Gas Barrier*	1	PVDF
6	Compressor	1	PVDF
8	Stem	1	Copper Alloy (3604)
8a	Indicating Rod	1	304 SS
9	Sleeve	1	Copper Alloy (3604)
10	Hand Wheel	1	PP
11	Gauge Cover	1	POLYCARBONATE
12	Name Plate	1	PVC
13	Retaining Ring C Type	1	Stainless Steel 304
14	O-Ring (A)	1	EPDM
15	O-Ring (B)	1	EPDM
16	Thrust Ring (A)	1	UHMWPE
17	Thrust Ring (B)	1	UHMWPE
18	Bolt, Nut, Washer	4 Sets	TITANIUM
20	Stopper (A)	1	Copper Alloy (3604)
88	Bonnet Plug	1	TITANIUM
89	Compressor Pin	1	PALLADIUM TITANIUM
90	Stud Bolt, Nut, Washer	4 Sets	TITANIUM
94	Metal Compressor Insert	1	PALLADIUM TITANIUM
1a	Body Insert Nut	4	TITANIUM

For exploded view drawings refer to page 70.

Specifications

Sizes: 2-1/2" - 4"

Body Material: PVDF

Bonnet Material: PPG

Diaphragm: 3-Layer EPDM/PVDF/
PTFE with Palladium
Titanium Insert

Compressor Pin: Palladium Titanium

Compressor Insert: Palladium Titanium

Fasteners: Titanium

End Connection: Flanged

Operator: Handwheel

Standard Features (Sizes 2-1/2" - 4")

- Durable corrosion resistant PPG bonnet
- Solid molded PVDF flanged body
- Three-layer EPDM/PVDF/PTFE diaphragm
- All titanium body-to-bonnet fasteners
- Palladium titanium compressor joint and diaphragm insert

Sample Specification (2-1/2" - 4")

All TI Type-14 diaphragm valves shall be of solid molded PVDF flanged body and PPG bonnet, weir type with round body to bonnet sealing design. Valves shall be supplied standard with three-layer EPDM cushion/PVDF gas barrier/PTFE diaphragm, titanium body to bonnet bolts, studs, molded in body inserts, nuts, and washers. Diaphragms shall feature palladium titanium threaded connection stud that shall connect to the PVDF compressor via palladium Titanium metal insert. Compressor pin shall be palladium titanium. Face-to-face dimensions shall conform to Type-G. PVDF conforming to ASTM D3222 Cell Classification Type II. Valves shall be rated to 150psi at 70° F, as manufactured by Asahi/America, Inc.