



TI Diaphragm 1/2" - 2"

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

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
7	Joint	1	PALLADIUM TITANIUM
8	Stem	1	COPPER ALLOY (C3604)
9	Sleeve	1	COPPER ALLOY (C3604)
10	Handwheel	1	PP
11	Gauge Cover	1	POLYCARBONATE
12	Name Plate	1	PVC
13	Retaining Ring C-Type	1	304 SS
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 (C3604)
21	Screw	1	304 SS

For exploded view drawings refer to page 64

Specifications

Sizes: 1/2" - 2"

Body Material: PVDF

Bonnet Material: PPG

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

Joint: Palladium Titanium

Fasteners: Titanium

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

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

Sample Specification (1/2" - 2")

All TI Type 14 diaphragm valves shall be of solid molded PVDF flanged body and PPG bonnet, weir type with square body to bonnet sealing design. Valves shall be supplied standard with 3-layer EPDM cushion/PVDF gas barrier/PTFE diaphragm, titanium body to bonnet bolts, nuts, and washers. Diaphragms shall feature palladium titanium threaded connection stud that shall connect to compressor via palladium titanium connection "Joint". Face to face dimensions shall conform to Type G. PVDF conforming to ASTM D3222 Cell Classification Type II. Valves shall be rated to 150 psi at 70 F as manufactured by Asahi/America, Inc.