

Cylinder Stainless

7000 SERIES STAINLESS DIAPHRAGM VALVES

Superior's 7074 Series of 303 SS Diaphragm Packless Valves are designed for a variety of high-purity and high-pressure applications, including analytical & instrumentation gases, EPA protocol gases, environmental monitoring and medical applications using pharmaceutical gases. The 7774 Series of 316L SS Diaphragm Packless Valves are used in corrosive gas applications, cylinder phosphine gas, atmospheric and purging gases, dopant gases and reactant gases.

- New smooth operating stem ensures ease of operation during filling and use
- Standardized anti-extrusion pin feature prevents seat extrusion and cold flow of the polymeric seat
- Internal surface areas 32mc finish
- Diaphragm in wetted gas area are a nickel based alloy for corrosion resistance
- Rated at 3000 PSI Cylinder Service Pressure
- Available with unitized pressure-relief device having fuse metal backed or unbacked burst disc
- Available with standard CGA connections as well as international inlets and outlet



7000 SERIES

For more information or additional configurations please contact customer service

RMI Part No.	Gas Service @ 70° F	CGA Outlet	Inlet Thread Size	Stainless Series	Notes
707432661-XXX	0-3000PSI	326	3/4" NGT	303SS	
70743305X-XXX	0-3000PSI	330	1.125-12 UNF	303SS	
70743306X-XXX	0-3000PSI	330	3/4" NGT	303SS	
70743505X-XXX	0-3000PSI	350	1.125-12 UNF	303SS	
70743506X-XXX	0-3000PSI	350	3/4" NGT	303SS	
707435060-T	0-3000PSI	350	3/4" NGT	303SS	No Safety, Inlet Tap
707458061-XXX	0-3000PSI	580	3/4" NGT	303SS	
707458051-XXX-75	0-3000PSI	580	.750-16 UNF	303SS	
707459051-XXX	0-3000PSI	590	1.125-12 UNF	303SS	
707462654-XXX	0-3000PSI	626	1.125-12 UNF	303SS	
70746605X-XXX	0-3000PSI	660	1.125-12 UNF	303SS	
70746605X-XXX-75	0-3000PSI	660	.750-16 UNF	303SS	
707466060	0-3000PSI	660	3/4" NGT	303SS	No Safety
70746606X-XXX	0-3000PSI	660	3/4" NGT	303SS	
70747055X-XXX	0-3000PSI	705	1.125-12 UNF	303SS	
70747056X-XXX	0-3000PSI	705	3/4" NGT	303SS	
777433060-T	0-3000PSI	330	3/4" NGT	316SS	No Safety, Inlet Tap
77743306X-XXX	0-3000PSI	330	3/4" NGT	316SS	
777435040	0-3000PSI	350	1/2" NGT	316SS	No Safety
777435060	0-3000PSI	350	3/4" NGT	316SS	No Safety
777435060-T	0-3000PSI	350	3/4" NGT	316SS	No Safety, Inlet Tap
777458060	0-3000PSI	580	3/4" NGT	316SS	No Safety
777458061-XXX	0-3000PSI	580	3/4" NGT	316SS	
777466060	0-3000PSI	660	3/4" NGT	316SS	No Safety
777466060-T	0-3000PSI	660	3/4" NGT	316SS	No Safety, Inlet Tap
777466064-XXX	0-3000PSI	660	3/4" NGT	316SS	
777467960-T	0-3000PSI	679	3/4" NGT	316SS	No Safety, Inlet Tap

"B"	Valve is Bagged
"C"	Copper Disc
"K"	Kynar Seat
"N"	Nickel Disc
"P"	Platinum Disc
"R"	Tapped for Flow Restrictor
"T"	1/4" FNPT Tapped Inlet
"V"	Vespal Seat

Safety Type
0= No Safety
1= Unbacked Frangible Disc
4= Backed Frangible Disc with 165° Fuse Metal
5= Backed Frangible Disc with 212° Fuse Metal



Cylinder Stainless

5983L STAINLESS STEEL PACKED WRENCH OPERATED VALVES

Designed for corrosive bulk cylinder applications, DOT transport of specialty gases and chemicals for petrochemical, pharmaceutical, textile and electronics industries.

Key Features & Benefits

- Robust 303 Stainless Steel body providing superior corrosion resistance in multiple gas applications.
- Proven live-load packing design provides a constant load to ensure stem seal for the life of the valve.
- Body to stem seal design to withstand severe internal and external conditions.
- One-piece stainless steel stem provides positive shutoff in corrosive gas service with exceptional durability
- PTFE packing promotes easy operation while providing a durable leak-resistant stem seal under all service conditions.
- Optional tapped inlet threads for tube assembly

RMI Part No.	CGA Outlet	Inlet	PRD*
5983L-330	CGA 330	3/4" NGT	None
5983L-350	CGA 350	3/4" NGT	None
5983L-660	CGA 660	3/4" NGT	None

*Pressure relief device can be added upon request



5983L

1206A STAINLESS STEEL PACKED WRENCH OPERATED VALVES

Designed for Anhydrous Ammonia applications, including commercial refrigeration, metal treating and chemical manufacturing.

Key Features & Benefits

- One-piece carbon steel, case-hardened, nickel plated stem provides positive shut-off in corrosive gas service.
- PTFE packing promotes easy operation while providing a durable leak-resistant stem seal under all service conditions.
- Designed to ensure a safe, long, trouble-free life under all service conditions.
- 1206AX5 compatible with both CGA 705 and CGA 240 outlets.
- 1206AX9 compatible with CGA 240 outlet only
- Inlet tap 1/4"-18 NPT

RMI Part No.	Description	CGA Outlet
1206AX5	Packed Ammonia Cylinder Valve w/ Lead Washer Recess	705, 240
1206AX9	Packed Ammonia Cylinder Valve	240
628X1	Ammonia Yoke	845
5877	Adapter	845



1206AX5



Non-stock/special order items are not cancellable or returnable

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