



STAINLESS STEEL SOFT SEAT *Shut Off Valves*



PREMIER INDUSTRIES

1590 99th Ln NE,
Minneapolis, MN 55449
763-786-4020



MADE IN THE USA

Minneapolis, MN

DESCRIPTION

The Premier stainless steel shut-off valve is part of a family of manual, high pressure, shut off valves. This valve features a stainless steel body, soft seat, 17-4 stainless steel valve stem, and a flow Cv of 0.25. Optional integrated burst disks, and relief valves are available.

Stainless shut-off valves may be used in a wide variety of applications as compatible with their materials of construction.

FEATURES

- Compact Size
- PCTFE or PEEK® seat
- Maximum inlet pressure of 3000 PSI (206.84 bar)
- Cv of 0.25
- 316 stainless steel body and valve nut
- Optional pressure relief devices
- Optional dip tube
- Economical pricing
- Machined bar stock bodies eliminate porosity found in castings

The Premier Stainless Steel Shut Off Valves design is remarkably flexible.

Contact Premier Industries for a custom Premier Stainless Steel Shut Off Valve to meet your exact needs.

SHUT OFF VALVES

STAINLESS STEEL SOFT SEAT *Shut Off Valves*



SPECIFICATIONS

- **MAX INLET PRESSURE :** 3000 PSIG
(206.84 bar)
- **WEIGHT:** 0.4-0.5 lbs
- **LEAK RATE:** Bubble Tight
- **FLOW (Cv):** 0.25

MATERIALS OF CONSTRUCTION

- **BODY & VALVE NUT:**
 - 316 Stainless Steel
- **VALVE STEM:** 17-4 Stainless Steel
- **SEAT:** PCTFE, PEEK®
- **O-RINGS:** Viton®, EPDM, Low-temp Nitrile
- **BACK-UP RING:** PTFE
- **BORE SIZE:** Ø 1/8"
- **OPTIONAL DIP TUBE:** 316 Stainless steel
- **HAND KNOB:** 6061-T6 Aluminum/
black anodized

PORTING

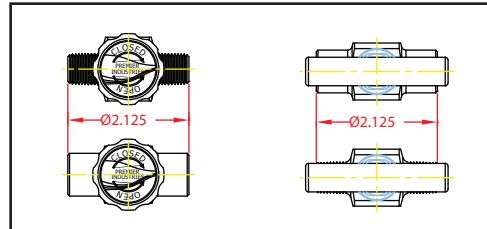
- **INLET:**
 - 1/4-18 MNPT
- **OUTLET:**
 - 1/4-18 MNPT

OPTIONS

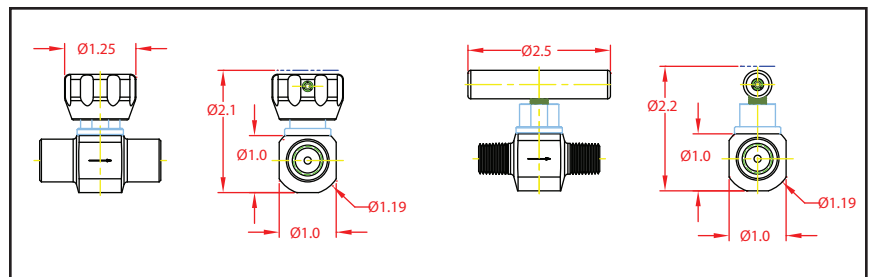
- Dip tube, 1/16-27 FNPT (order separately)
- SilcoNert 2000® coating of wetted materials
- Relief Valve (600 PSIG or 1800 PSIG)
(41.37 bar or 124.11 bar)
- Burst Disk (1700 PSIG)
(117.2 bar)
- Pressure marking/labeling

KNOB

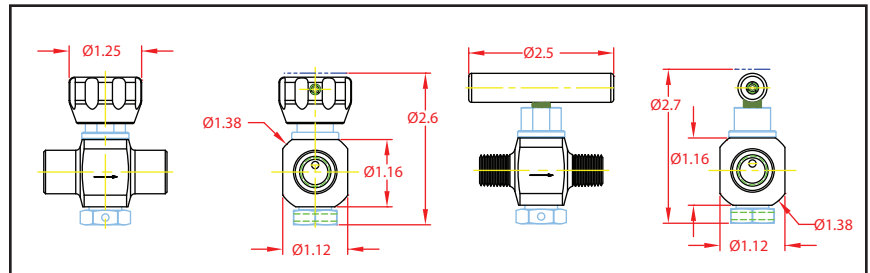
T-HANDLE



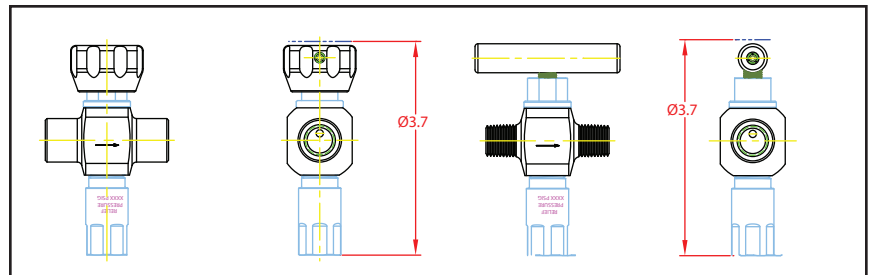
WITHOUT PRESSURE RELIEF DEVICE



WITH BURST DISK



WITH RELIEF VALVE



Part Number: 70-00158 (without pressure relief device)

Part Number: 70-00157 (with burst disk or relief valve)

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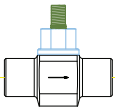

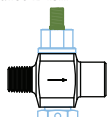

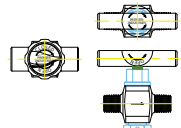
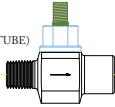
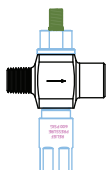

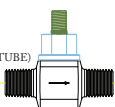
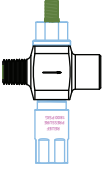


STAINLESS STEEL SOFT SEAT *Shut Off Valves*



VALVE WITH PRESSURE RELIEF DEVICE

PART #: 70-00157-XX-XX-XXXX



BASIC SERIES <i>(part number)</i>	BODYTYPE	O-RING MATERIAL 	SEAT MATERIAL 	PRESSURE RELIEF DEVICE	COATING	HANDLE STYLE	BODY MARKING/ KNOB LABEL
70-00157	FF: 1/4" FNPT inlet 1/4" FNPT outlet  	E: EPDM	1: PCTFE	1: 1700 PSIG Burst Disk 	0: No coating	1: Knob 	1: Premier knob label 
	MF: 1/4" MNPT inlet 1/4" FNPT outlet 1/16-27 FNPT (FOR DIP TUBE) 	V: VITON®	2: PEEK®	2: 600 PSIG Relief Valve 	1: SilcoNert 200 (sulfinert®) © SilcoTek, Bellefonte, PA 16823	2: T-handle 	
	MM: 1/4" MNPT inlet 1/4" MNPT outlet 1/16-27 FNPT (FOR DIP TUBE) 	N: NITRILE, LO-TEMP		3: 1800 PSIG Relief Valve 			

Viton® is a registered trademark of E.I.duPont de Nemours and Company
 SilcoNert® is a registered trademark of SilcoTek
 PEEK® is a registered trademark of Victrex PLC

MATERIAL TEMPERATURE RATINGS:

PCTFE	-40 (-40) / 160 (71) °F (°C)
PEEK®	-40 (-40) / 300 (148) °F (°C)
EPDM	-30 (-34) / 250 (121) °F (°C)
VITON®	-15 (-26) / 300 (148) °F (°C)
LOW-TEMP NITRILE	-60 (-51) / 160 (71) °F (°C)

NOTE:

-  DIP TUBES ARE NOT COMPATIBLE WITH 'FF' STYLE VALVES.
-  SEE MATERIAL TEMPERATURE RATINGS TABLE. BE SURE TO CONSIDER ALL VALVE MATERIALS



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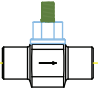

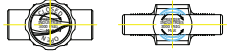
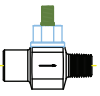

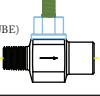
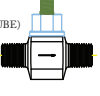


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VALVE WITHOUT PRESSURE RELIEF DEVICE

PART#: 70-00158-XX-XX-XXX

BASIC SERIES <i>(part number)</i>	BODY TYPE	O-RING MATERIAL	SEAT MATERIAL	COATING	HANDLE STYLE	BODY MARKING/ KNOB LABEL
70-00158	FF: 1/4" FNPT inlet 1/4" FNPT outlet  ⚠️ 1	E: EPDM ⚠️ 2	1: PCTFE ⚠️ 2	0: No coating	1: Knob 	2: Premier knob label with 3000 PSIG pressure marking 
	FM: 1/4" FNPT inlet 1/4" MNPT outlet  ⚠️ 1	V: VITON®	2: PEEK®	1: Silconert 200 (sulfinert®) <small>* SilcoTek Bellefonte, PA 16823</small>	2: T-handle 	
	MF: 1/4" MNPT inlet 1/4" FNPT outlet <small>1/16-27 FNPT (FOR DIP TUBE)</small> 	N: NITRILE, LO-TEMP				
	MM: 1/4" MNPT inlet 1/4" MNPT outlet <small>1/16-27 FNPT (FOR DIP TUBE)</small> 					

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NOTE: ⚠️ 1 DIP TUBES ARE NOT COMPATIBLE WITH 'FF' OR 'FM' STYLE VALVES.
⚠️ 2 SEE MATERIAL TEMPERATURE RATINGS TABLE. BE SURE TO CONSIDER ALL VALVE MATERIALS



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