



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

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

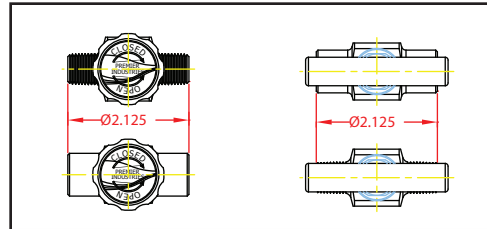
- **INLET:**
 - 1/4-18 MNPT
- **OUTLET:**
 - 1/4-18 MNPT

OPTIONS

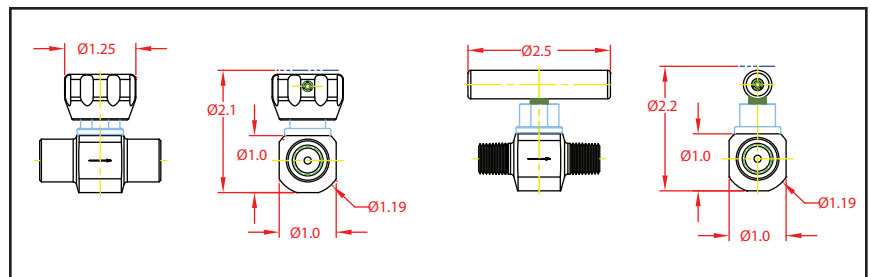
- Dip tube, 1/16-27 FNPT (order separately)
- SilcoNert 2000® coating of wetted materials
- Relief Valve (600 PSIG or 1800 PSIG)
(41.37 bar or 124.11 bar)
- Burst Disk (1700 PSIG)
(117.2 bar)
- Pressure marking/labeling

KNOB

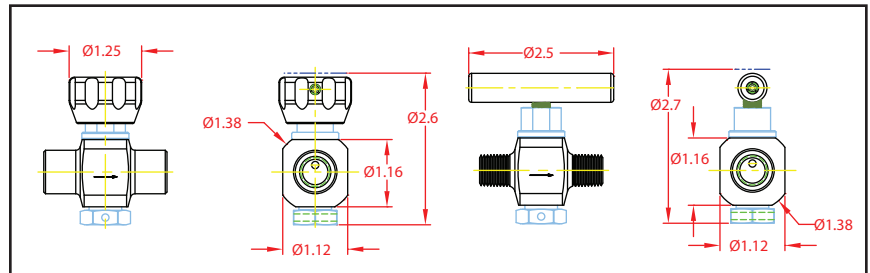
T-HANDLE



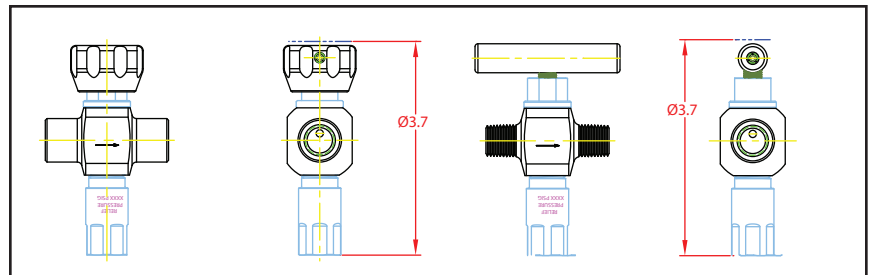
WITHOUT PRESSURE RELIEF DEVICE



WITH BURST DISK



WITH RELIEF VALVE



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

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

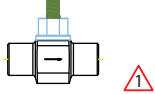




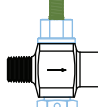
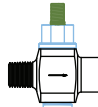
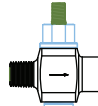
STAINLESS STEEL SOFT SEAT *Shut Off Valves*



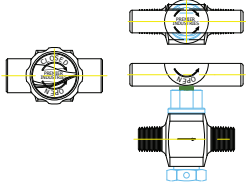


VALVE WITH PRESSURE RELIEF DEVICE

SERIES	1	2	-	3	4	-	5	6	7	8
70-00157			-			-				

1 2	BODY TYPE
FF	1/4" FNPT inlet 1/4" FNPT outlet  ⚠
MF	1/4" MNPT inlet 1/4" FNPT outlet  <small>1/16-27 FNPT (FOR DIP TUBE)</small>
MM	1/4" MNPT inlet 1/4" MNPT outlet  <small>1/16-27 FNPT (FOR DIP TUBE)</small>
3	O-RING MATERIAL ⚠
E	EPDM
V	Viton®
N	Nitrile, lo-temp
4	SEAT MATERIAL ⚠
1	PCTFE
2	PEEK®

5	PRESSURE RELIEF DEVICE
1	1700 psig burst disc 
2	600 psig relief valve 
3	1800 psig relief valve 
6	COATING
0	No coating
1	Silconert 200 (sulfinert®)

7	HANDLE STYLE
1	Knob 
2	T-handle 
8	LABEL/ PRESSURE MARKING
2	Premier knob label 

NOTE:

⚠ 1 DIP TUBES ARE NOT COMPATIBLE WITH 'FF' STYLE VALVES.

⚠ 2 SEE MATERIAL TEMPERATURE RATINGS TABLE. BE SURE TO CONSIDER ALL VALVE MATERIALS

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)

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
 Contact factory for material certifications. Fees may apply.

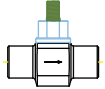

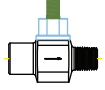

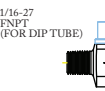
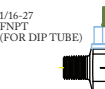








STAINLESS STEEL SOFT SEAT *Shut Off Valves*





VALVE WITHOUT PRESSURE RELIEF DEVICE

SERIES	1	2	-	3	4	-	5	6	7
70-00158			-			-			

1 2	BODY TYPE
FF	1/4" FNPT inlet 1/4" FNPT outlet  
FM	1/4" FNPT inlet 1/4" MNPT outlet  
MF	1/4" MNPT inlet 1/4" FNPT outlet 
MM	1/4" MNPT inlet 1/4" MNPT outlet 
3	O-RING MATERIAL
E	EPDM 
V	Viton®
N	Nitrile, lo-temp
4	SEAT MATERIAL
1	PCTFE 
2	PEEK®

5	COATING
0	No coating
1	Silconert 200 (sulfnert®)
6	HANDLE STYLE
1	Knob 
2	T-handle 
7	LABEL/ PRESSURE MARKING
2	Premier knob label with 3000 psig pressure marking  

NOTE:

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

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)

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
 Contact factory for material certifications. Fees may apply.