

SHUT OFF VALVES

Stainless Steel, Soft Seat



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

SOME APPLICATIONS WILL REQUIRE A CUSTOM SOLUTION.
CONTACT PREMIER INDUSTRIES TO REQUEST A MODIFICATION
OR A CUSTOM DESIGN.

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

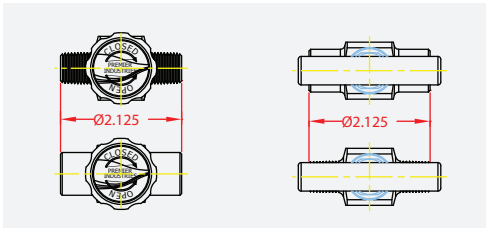
- Dip tube, 1/16-27 FNPT (order separately)
- SilcoNert 2000® coating of wetted materials
- Relief Valve (600 PSIG or 1800 PSIG / 41.37 bar or 124.11 bar)
- Burst Disk (1700 PSIG / 117.2 bar)
- Pressure marking/labeling

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SilcoNert® is a registered trademark of SilcoTek
PEEK® is a registered trademark of Victrex PLC*

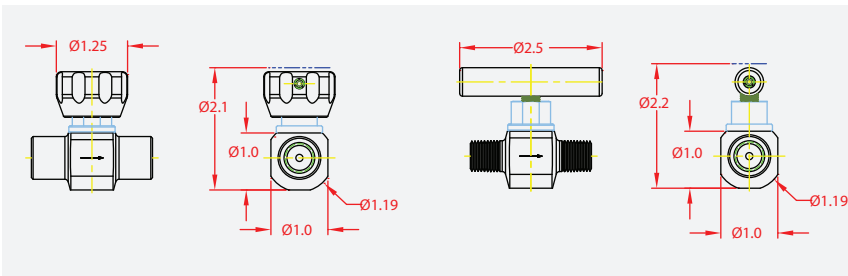
*Contact factory for material certifications.
Fees may apply.*

KNOB

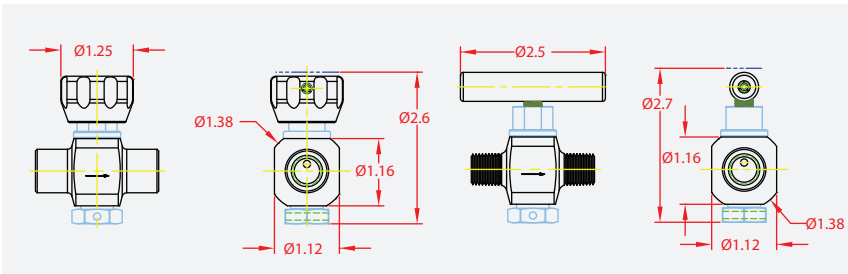
T-HANDLE



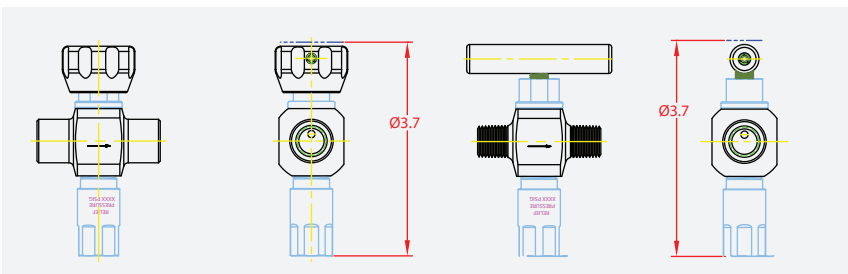
WITHOUT PRESSURE RELIEF DEVICE: P/N 70-00158



WITH BURST DISK: P/N 70-00157

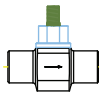

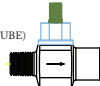
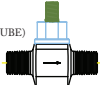




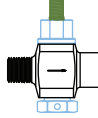
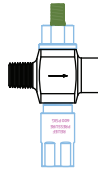
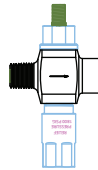
WITH RELIEF VALVE: P/N 70-00157



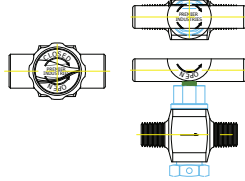


SERIES	1	2	-	3	4	-	5	6	7	8
70-00157			-			-				



VALVE W/ PRESSURE RELIEF DEVICE

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
1	Premier knob label 

NOTE:

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

MATERIAL TEMPERATURE RATINGS:





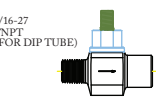


PCTFE	-40 (-40) / 160 (71)	°F (°C)
PEEK®	-40 (-40) / 300 (148)	°F (°C)
EPDM	-30 (-34) / 250 (121)	°F (°C)
VITON®	-15 (-26) / 300 (148)	°F (°C)
LOW-TEMP NITRILE	-60 (-51) / 160 (71)	°F (°C)




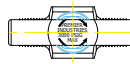
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 PEEK® is a registered trademark of Victrex PLC

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

VALVE WITHOUT PRESSURE RELIEF DEVICE

1 2	BODYTYPE
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 (sulfinert®)
6	HANDLE STYLE
1	Knob 
2	T-handle 
7	LABEL/ PRESSURE MARKING
2	Premier knob label with 3000 psig pressure marking  



MATERIAL TEMPERATURE RATINGS:

PCTFE	-40 (-40) / 160 (71) °F (°C)
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