

SAMPLING CYLINDERS

With Integrated Shut Off Valves



Premier Sampling Cylinders are designed to provide a safe and reliable solution for a variety of liquid and gas storage, transportation, sampling, and analysis needs. Common applications include: sampling for gas chromatography, hydrocarbon sampling in refineries/petrochemical plants, snubbers in reactive feed lines, and condensate sampling in fossil fuel and nuclear power plants.

Premier sampling cylinders feature seamless 316 stainless steel construction, allowing for consistent wall thickness/internal volume, and increased corrosion resistance and integrity. All cylinders have 1/4-18" NPT connections on each end, which integrate seamlessly with Premier's stainless steel inlet and outlet shut off valves (optional burst discs, and relief valves available).

FEATURES

- Seamless 316 stainless steel cylinders
- Consistent wall thickness and internal volume
- 316 stainless steel inlet and outlet valves
- Optional pressure relief devices
- Optional SilcoNert® coating
- Very competitive pricing
- Models are available for both corrosive and non-corrosive service
- Machined bar stock valve 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

- **MAXIMUM PRESSURE RATINGS:**
 - **Cylinders:** 1800 PSIG (124.11 bar)
 - **Shut-off valves:** 3000 PSIG (206.84 bar)
 - **Pressure relief device:**
 - up to 1800 PSIG (124.11 bar)
(see porting)

***Always configure pressure rating to the component with the lowest rating*
- **CYLINDER INTERNAL VOLUME:**
 - 50 cc, 150cc, 300cc, 500cc

MATERIALS OF CONSTRUCTION

- **CYLINDER, VALVE BODIES & VALVE NUTS:**
 - 316 Stainless Steel
- **VALVE STEM:** 17-4 H900 Stainless Steel
- **BURST DISK:** 316L Stainless Steel
- **BURST DISK SEAL:**
 - PTFE coated 316 Stainless Steel
- **DIP TUBES:** 316 Stainless Steel
- **VALVE SEATS:** PCTFE
- **O-RINGS:** Viton® and EPDM
- **BACK-UP RING:** PTFE
- **NON-WETTED PARTS:**
 - 300 Series Stainless Steel
 - 6061-T6 Aluminum
- **OPTIONAL RELIEF VALVE:**
 - 316 Stainless Steel
- **RELIEF VALVE SEAT:** PCTFE

PORTING

- **OUTLET VALVE:**
 - 1/4" MNPT, no burst disk
 - 1/4" FNPT, no burst disk
 - 1/4" MNPT, 1700 PSIG (117.21 bar) burst disk
 - 1/4" FNPT, 1700 PSIG (117.21 bar) burst disk
 - 1/4" MNPT, 1800 PSIG (124.11 bar) relief valve
 - 1/4" FNPT, 1800 PSIG (124.11 bar) relief valve
- **INLET VALVE:**
 - 1/4" MNPT
 - 1/4" FNPT

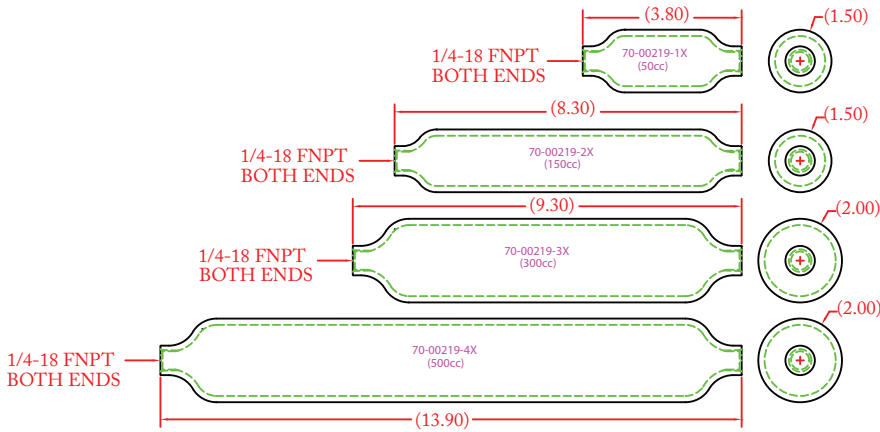
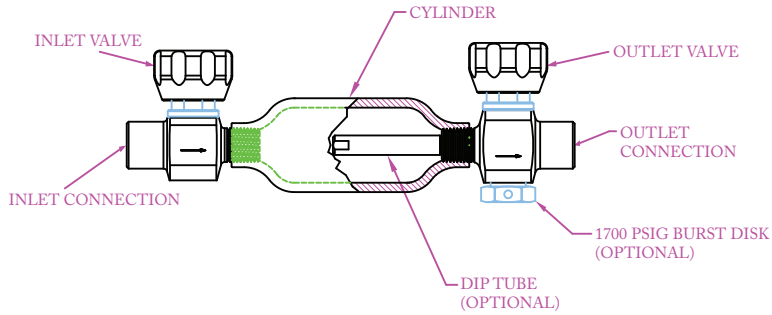
OPTIONS

- 1700 PSIG (117.21 bar) burst disk
- Dip tube
- Relief valve
- Optional SilcoNert® coating
(valves, cylinders, and pressure relief devices)

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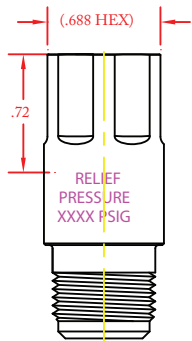
Contact factory for material certifications.
Fees may apply.

PART NUMBER: 70-00220-XX1242



PART NUMBER: 70-00217

Optional Relief Valve



PART #	-	1	2	3	4	5	6
70-00220	-						

1	METAL FINISHING
N	None
S	Silconert 2000®
2	O-RING MATERIAL
E	EPDM
V	Viton®
3	CYLINDER SIZE & MANUFACTURER
1	50 CC (LUXFER)
2	150 CC (LUXFER)
3	300 CC (LUXFER)
4	500 CC (LUXFER)
5	150 CC (ISGAS)

4	INLET VALVE
1	1/4" MNPT inlet connection
2	1/4" FNPT inlet connection
5	OUTLET VALVE
1	1/4" MNPT inlet connection (no burst disc)
2	1/4" FNPT inlet connection (no burst disc)
3	1/4" MNPT inlet connection (1700 psig burst disc)
4	1/4" FNPT inlet connection (1700 psig burst disc)
5	1/4" MNPT inlet connection (1800 psig relief valve)
6	1/4" FNPT inlet connection (1800 psig relief valve)

6	DIP TUBE
Blank	None
2	2.00"
3	3.75"

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