

O2 AO 2.0

Oxygen, Air Operated, Normally Open/Closed
Valves



Premier O2 AO Series air operated high pressure valves are designed for normally closed and open use with Oxygen. Premier O2 AO valves are rated to 3000 PSIG / 206.8 BAR and Cv 2.0.

FEATURES

- Designed for Oxygen Service
- 3000 PSIG/206.8 BAR max inlet pressure
- Cv 2.0
- Robust design for long cycle life
- Customize and optimize to meet your unique requirement (*contact Premier*)

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

SPECIFICATIONS

- **MAXIMUM INLET PRESSURE :**
 - 3000 PSIG / 206.8 BAR
- **ACTUATION PRESSURE RANGE:**
 - 90-110 PSIG / 6.2-7.6 BAR
- **FLOW (Cv):** 2.0

MATERIALS OF CONSTRUCTION

PROCESS SIDE WETTED:

- **BODY:**
 - SAE 360 BRASS
- **VALVE STEM AND INSERT:**
 - 693 Eco Brass
- **MAIN VALVE SEAT:**
 - PCTFE
- **O-RING SEALS:**
 - Viton-A
- **LUBRICANT:**
 - Krytox 240AC (*standard*)

ACTUATOR SIDE WETTED:

- **PISTON, PLUG, AND BONNET:**
 - 303 Stainless Steel

NON-WETTED:

- **SCREW:**
 - 18-8 Stainless Steel
- **SPRING (NON-WETTED):**
 - Chrome silicon, vinyl coated
- **BACKUP RINGS:**
 - PTFE

*ALL WETTED COMPONENTS CLEANED
PER PREMIER IND. WI615 (CGA G4.1
STANDARD) FOR OXYGEN SERVICE*

PORTING

- **INLET & OUTLET PORTING:**
 - 1/2" AS5202, -08 TUBE SIZE, 3000 PSIG / 206.8 BAR
- **ACTUATION PORT:**
 - 1/4" AS5202 (-04 TUBE SIZE)

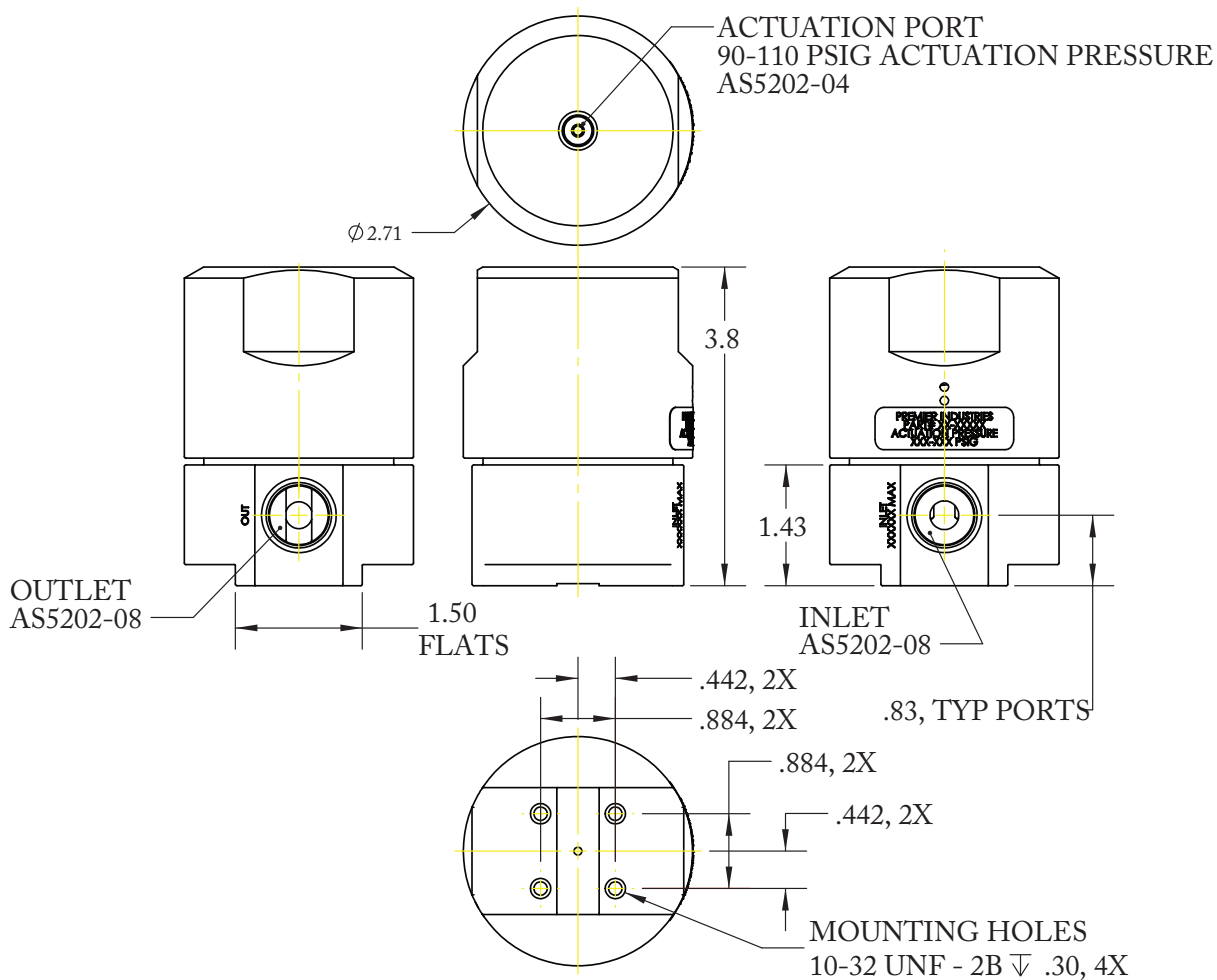
OPTIONS

- Private label

*Viton® is a registered trademark of E.I. du Pont de Nemours
and Company.*

*Krytox® is a registered trademark of the Chemours Company
FC, LLC.*

PART NUMBER: 70-00469



PART #	-	1
70-00469	-	

Cv 2.0, 3000 PSIG MAX INLET

1	TYPE
BLANK	NORMALLY CLOSED
1	NORMALLY OPEN