

6250 SERIES

Single Stage, Diaphragm Sensed, Hydraulic
Pressure Reducing Regulators



Introducing the Premier 6250 Series hydraulic, single stage, diaphragm sensed, pressure reducing regulator. Premier 6250 Series regulators are designed for max inlet pressures up to 3500 PSIG (241.3 bar), and Cv 0.20. These hydraulic, pressure reducing regulators are versatile, offered with multiple materials, porting configurations, mounting styles etc. Gauges are optional, and two seat materials are offered, PEEK® and Vespel®.

FEATURES

- 3500 PSIG (241.3 bar) max inlet pressure
- Cv 0.20 MAX
- Machined bar stock body, bonnet, and piston eliminates porosity found in castings
- Optional panel mounting and mounting holes available

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

SPECIFICATIONS

- **MAXIMUM INLET PRESSURE:**
 - 3500 PSIG (*241.3 bar*)
- **CONTROL PRESSURE RANGES:**
 - 0-10 PSIG (*0 - 0.69 bar*)
 - 0-25 PSIG (*0 - 1.72 bar*)
 - 0-50 PSIG (*0 - 3.45 bar*)
 - 0-100 PSIG (*0 - 6.89 bar*)
 - 0-250 PSIG (*0 - 17.24 bar*)
 - 0-500 PSIG (*0 - 34.47 bar*)
- **FLOW (Cv):** 0.20

MATERIALS OF CONSTRUCTION

- **BODY OPTIONS:**
 - 6061-T6 Aluminum, Clear Anodized
 - 316 Stainless Steel
 - SAE 360 Brass, Nickel Plated
 - Inconel 625
 - Inconel 625, NACE compliant
- **BONNET OPTIONS:**
 - SAE 360 Brass, Nickel Plated
(*Brass and 316 Stainless Steel body options*)
 - 6061-T6 Aluminum, Clear Anodized
(*6061-T6 Aluminum, Clear Anodized body options*)
 - 303 Stainless Steel
(*Inconel 625 body options*)
- **DIAPHRAGM:**
 - 316 Stainless Steel (*standard*)
 - Elgiloy® (*Inconel 625 body options*)
- **O-RING SEALS:** PTFE
- **VALVE SEAT:**
 - PEEK®
 - Vespel®
- **WETTED MATERIALS:**
 - 300 Series Stainless Steel
(*for aluminum & brass bodies*)
 - 316 Stainless Steel
(*for 316 stainless steel and Inconel 625 bodies*)
 - Monel®
(*for Inconel 625, NACE compliant bodies*)
- **OPTIONAL PANEL MOUNTING NUTS:**
 - 6061-T6 Aluminum/Nickel Plated

PORTING

- **INLET:**
 - 1/4 FNPT
- **OUTLET:**
 - 1/4 FNPT

OPTIONS

- Gauges
- Private label
- Panel mounting bonnet & nut
- Bottom mount

Vespel® is a registered trademark of E.I. du Pont de Nemours and Company. Monel® is a registered trademark of Special Metals Corporation

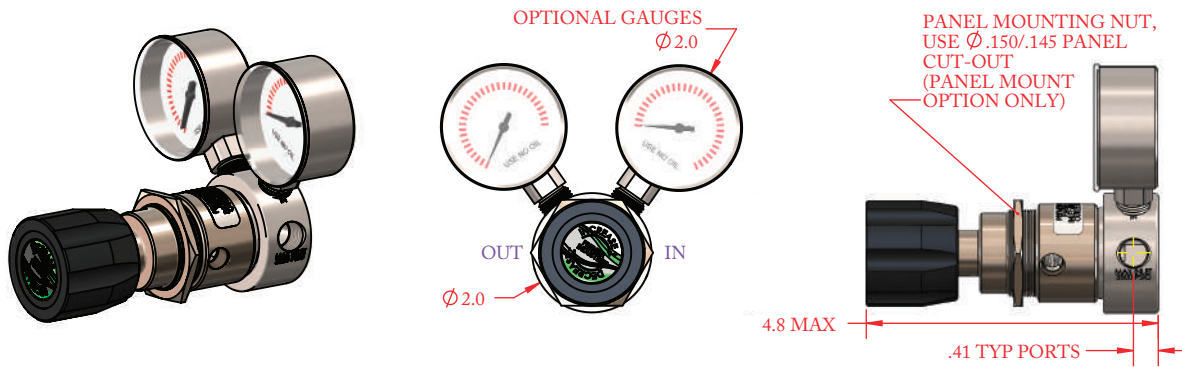
PEEK® is a registered trademark of Victrex PLC. Elgiloy® is a registered trademark of Elgiloy Specialty Metals Division, Combined Metals of Chicago L.L.C.

Contact factory for material certifications. Fees may apply.

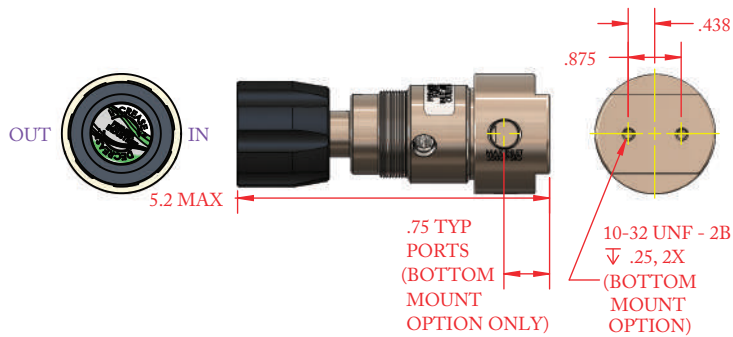
6250 SERIES

Single Stage, Diaphragm Sensed, Hydraulic Pressure Reducing Regulators

PART NUMBER: 50-12414-2S-XX-22







PART NUMBER: 50-12414-1C-XX



6250 SERIES

Single Stage, Diaphragm Sensed, Hydraulic
Pressure Reducing Regulators

PART #	-	1	2	-	3	4	-	5	6
50-12414	-			-			-		

1	BODY MATERIAL & FINISH
1	6061-T6 Aluminum, <i>clear anodize</i>
2	316 Stainless Steel, <i>cleaned per spec #515</i>
3	SAE 360 Brass, <i>Nickel Plated</i>
8	Inconel 625, <i>cleaned per spec #515</i> <i>NACE compliant</i> <i>(Other wetted materials: Monel®)</i>
9	Inconel 625, <i>cleaned per spec #515</i> <i>(Other wetted materials:</i> <i>316 Stainless Steel)</i>
2	PORTING CONFIGURATIONS
B	
S	
C	
E	

3	MAIN VALVE SEAT MATERIAL
1	PEEK®
2	Vespel®
4	OUTLET PRESSURE (OUTLET GAUGE RANGE)
1	0 - 10 PSIG / 0 - 0.69 bar <i>(0-15 PSIG gauge)</i>
2	0 - 25 PSIG / 0 - 1.72 bar <i>(0-30 PSIG gauge)</i>
3	0 - 50 PSIG / 0 - 3.45 bar <i>(0-60 PSIG gauge)</i>
4	0 - 100 PSIG / 0 - 6.89 bar <i>(0-160 PSIG gauge)</i>
5	0 - 250 PSIG / 0 - 17.24 bar <i>(0-400 PSIG gauge)</i>
6	0 - 500 PSIG / 0 - 34.47 bar <i>(0-1000 PSIG gauge)</i>
5	GAUGES
1	No gauges
2	Include gauges
<i>Inlet gauge on porting configuration S. Outlet gauge on configurations S E & B.</i>	

6	MOUNTING OPTION
1	None
2	Panel mount
3	Bottom mount
4	Panel mount & bottom mount

*Vespel® is a registered trademark of
E.I. duPont de Nemours and Company.
Monel® is a registered trademark of
Special Metals Corporation
PEEK® is a registered trademark of
Vitrex PLC.*

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