

2150A SERIES

Single Stage, Diaphragm Sensed, Absolute Pressure
Back pressure regulators



The Premier 2150A Series absolute pressure regulators are designed for applications requiring precise back pressure regulation and absolute pressure control. They maintain stable upstream pressure by venting excess pressure, ensuring consistent system performance. Premier 2150A Series regulators feature a large stainless steel or Elgiloy® diaphragm, captured bonnet vent, and an optional panel mount or bottom mount. Premier 2150A Series regulators are rated for Cv 0.04 or 0.20 and designed for inlet pressures from -28"Hg Absolute-150 PSIG.

FEATURES

- Large stainless or Elgiloy® diaphragm for increased sensitivity and reduced droop
- Stainless diaphragm minimizes inboard diffusion of air into the regulator
- Optional panel mount or bottom mount
- Captured bonnet vent
- Cv 0.04, or 0.20

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

SPECIFICATIONS

- **INLET PRESSURE:**
 - -28"Hg Absolute-15 psig
 - -28"Hg Absolute-50 psig
 - -28"Hg Absolute-100 psig
 - -28"Hg Absolute-150 psig (*P/N: 50-13154 only*)
- **FLOW (Cv):**
 - 0.04 (*P/N: 50-13154*)
 - 0.20 (*P/N: 50-12682*)

OPTIONS

- Inlet gauges (*2 inch diameter*)
- Private label
- Panel mounting nut (*P/N: 50-10240*)

MATERIALS OF CONSTRUCTION

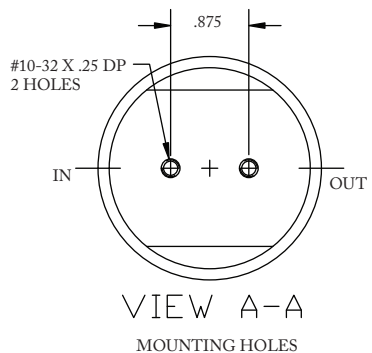
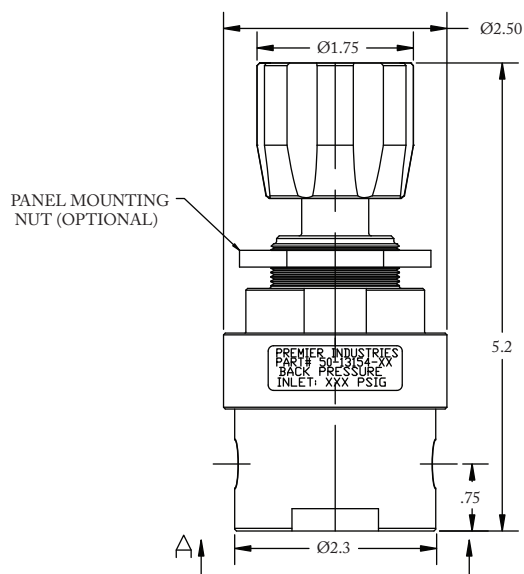
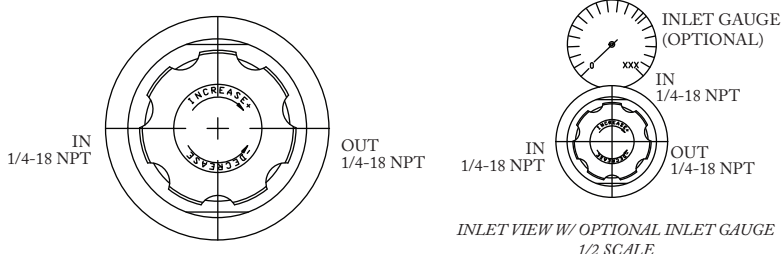
- **BODY:**
 - 316 Stainless Steel
- **BONNET:**
 - 316 Stainless Steel (*P/N: 50-12682*)
 - SAE 360 Brass, Nickel Plated (*P/N: 50-13154*)
- **DIAPHRAGM:**
 - 316 Stainless Steel (*standard*)
 - Elgiloy® (*P/N: 50-13154, 15 psig inlet only*)
- **DIAPHRAGM SEAL:** PTFE
- **VALVE SEAT:** PTFE

PORTING

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

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

PART NUMBER: 50-12682 & 50-13154



PART NUMBER	-	1	2	3	4	5
50-13154	-					

Cv 0.04

1	BODY MATERIAL & FINISH
2	316 STAINLESS STEEL, CLEANED PER SPEC #515
2	INLET PRESSURE (INLET GAUGE RANGE IF SUPPLIED)
0	0-50 MM HG ABSOLUTE -15 PSIG (-30" HG-30 PSIG)
1	0-50 MM HG ABSOLUTE -50 PSIG (-30" HG-30 PSIG)
2	0-50 MM HG ABSOLUTE -100 PSIG (-30" HG-30 PSIG)
3	0-50 MM HG ABSOLUTE -150 PSIG (-30" HG-30 PSIG)
3	GAUGES (OPTIONAL)
Blank	NO GAUGES (STANDARD)
A	2" DIAMETER, INLET ONLY, STAINLESS STEEL WETTED GAUGE
4	PANEL MOUNTING NUT (OPTIONAL)
5	MOUNTING NUT
8	NO NUT (STANDARD)

5	PORTING OPTIONS
BLANK	 (STANDARD, IN/OUT ONLY)
G	
H	

Contact factory for material certifications.
Fees may apply.

PART NUMBER	-	1	2	3	4	5
50-12682	-					

Cv 0.20

1	BODY MATERIAL & FINISH
2	316 STAINLESS STEEL, CLEANED PER SPEC #515
2	INLET PRESSURE (INLET GAUGE RANGE IF SUPPLIED)
0	-28"HG ABSOLUTE-15 PSIG (-30" HG-30 PSIG)
1	-28"HG ABSOLUTE-50 PSIG (-30" HG-100 PSIG)
2	-28"HG ABSOLUTE-100 PSIG (-30" HG-160 PSIG)
3	GAUGES (OPTIONAL)
BLANK	NO GAUGES (STANDARD)
A	2" DIAMETER, INLET ONLY, STAINLESS STEEL WETTED GAUGE
4	PANEL MOUNTING NUT (OPTIONAL)
5	MOUNTING NUT
8	NO NUT (STANDARD)

5	PORTING OPTIONS
BLANK	 (STANDARD, IN/OUT ONLY)
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Contact factory for material certifications. Fees may apply.