

2100DLB SERIES

Dome Loaded, Bias Spring, Diaphragm Sensed
Back Pressure Regulators



Premier 2100DLB Series dome loaded/bias spring, single stage, diaphragm sensed, back pressure regulators, are designed for load pressures up to 500 PSIG (34.47 bar) with a bias spring up to 100 psig (6.89 bar) and Cv 0.06, 0.14 or 0.20. 2100DLB Series regulators are elastomer free and designed for use in tracking applications.

FEATURES

- Compatible with electro pneumatic controllers
- Elastomer free
- Preset spring bias
- Designed for tracking applications
- Cv 0.06, 0.14, 0.20
- Load pressures up to 500 psig (34.47 bar)

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

SPECIFICATIONS

- **MAXIMUM LOAD PRESSURE:**
 - 500 PSIG (34.47 bar)
- **PRESET SPRING BIAS:**
 - up to 100 PSIG (6.89 bar)
- **FLOW (Cv):** 0.06, 0.14, or 0.20

OPTIONS

- Private label
- Gauges

MATERIALS OF CONSTRUCTION

- **BODY:**
 - 316 Stainless Steel
- **DIAPHRAGM:**
 - Elgiloy®
- **VALVE SEAT:**
 - PCTFE
- **SEALS:**
 - PTFE
- **OTHER WETTED MATERIALS:**
 - 316 Stainless Steel
 - 303 Stainless Steel

PORTING

- **STANDARD INLET:**
 - 1/4" FNPT (see pg 4 for details)
- **STANDARD OUTLET:**
 - 1/4" FNPT
- **STANDARD LOAD PORT:**
 - 1/4" FNPT

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

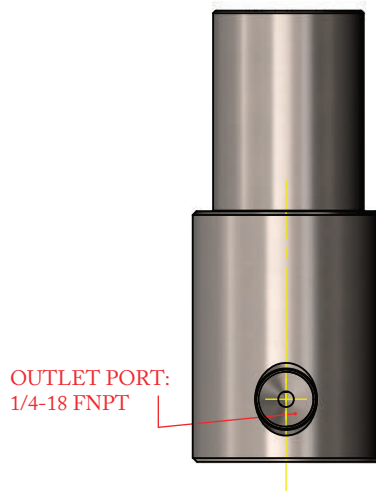
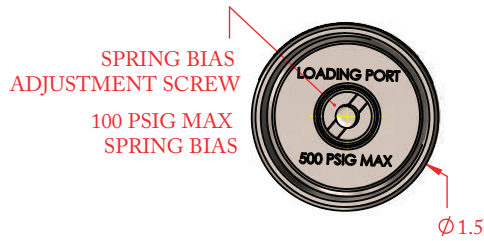
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PART NUMBER: 50-12474





DOME LOADING PORT:
1/4-18 FNPT, 500 PSIG MAX



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PART #	-	1	2	3	-	XXX
50-12474	-				-	

1	WETTED MATERIALS
1	316 STAINLESS STEEL
2	303 STAINLESS STEEL
2	PORTING OPTION <i>(ALL PORTS 1/4" FNPT UNLESS NOTED)</i>
1	'S' PORTING, NO GAUGES 
2	'A' PORTING, NO GAUGE 
3	MAIN VALVE Cv
0	Cv 0.06
1	Cv 0.14
2	Cv 0.20

XXX	PRESET SPRING BIAS
	Specify 0-100. Pressure units are psig. (EX: specify '30' for 30 psig spring bias pressure.) Preset spring bias pressure is field adjustable by qualified technicians only.

Contact factory for material certifications.
Fees may apply.