

SCF 5060DL SERIES

Dome Loaded, High Flow, High Pressure
Pressure Reducing Regulators



Premier SCF 5060DL Series dome loaded, single stage, high flow, high pressure, piston sensed, pressure reducing regulators, rated for inlet and outlet pressures up to 10000 PSIG / 689.5 bar (*dependent upon configuration*), and Cv 6.0.

Premier SCF 5060DL Series are designed to stand up to the aggressive, solvent-like qualities of supercritical CO₂, while providing reliable and precise pressure regulation.

Premier SCF 5060DL Series regulators feature an externally loaded 1:1 dome load. Optional external sensing port for improved accuracy.

FEATURES

- Designed for use with supercritical CO₂
- Flow capacity (Cv) 6.0
- 10000 PSIG (689.5 BAR) max inlet pressure
- 1:1 dome load
- Optional external sensing port
- Economical pricing
- Machined bar stock body eliminates porosity found in castings

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

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SPECIFICATIONS

- **MAXIMUM INLET PRESSURE:**
 - 10000 PSIG (690 BAR)*

**dependent upon configuration, see page 4*
- **MAXIMUM OUTLET PRESSURE:**
 - 10000 PSIG (690 BAR)*

**dependent upon configuration, see page 4*
- **FLOW (Cv):** 6.0

MATERIALS OF CONSTRUCTION

- **BODY OPTIONS:**
 - 316 Stainless Steel
- **PISTON:**
 - 316 Stainless Steel
- **VALVE:**
 - 316 Stainless Steel
- **MAIN VALVE SEAT OPTIONS:**
 - PEEK®
- **O-RINGS:**
 - PTFE
- **BACK-UP RINGS:**
 - PTFE

PORTING

- **INLET & OUTLET OPTIONS:**
 - See page 4
- **EXTERNAL SENSING PORT OPTIONS:**
 - 1/4 FNPT, SAE AS5202, SAE J1926
- **DOMEST PORT OPTIONS:**
 - 1/4 FNPT, SAE J1926, SAE AS5202**

*** (SAE AS5202 supersedes MS33649)*

OPTIONS

- Private Label

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de Nemours and Company.*

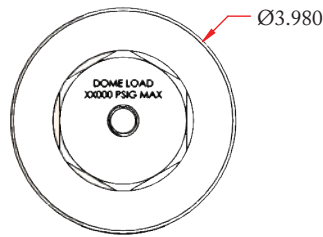
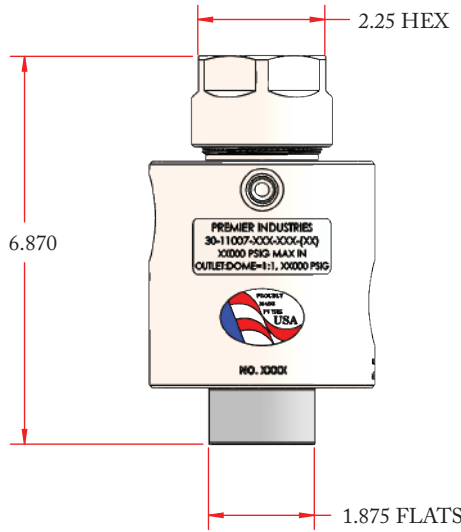
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Contact factory for material certifications. Fees may apply.

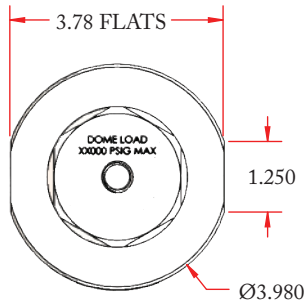
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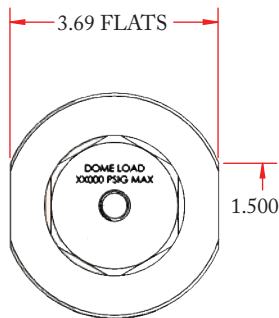
PART NUMBER: 30-11200, Cv 6.0



PORTS: 3/4" NPT, & 1" NPT



PORTS: 1/2" SAE J1926,
1/2" SAE AS5202, 9/16" MP, 3/4" MP



PORTS: 3/4" SAE J1926,
3/4" SAE AS5202, 1" MP



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PART NUMBER:	-	1	2	3	-	4	5	6	-	MODS
30-11200	-				-				-	

Cv 6.0

1	SEAT MATERIAL OPTIONS
2	PEEK®
2	O-RING MATERIAL
1	PTFE
3	BODY MATERIAL
1	316 STAINLESS STEEL
4	PORT SIZE
2	9/16" (MEDIUM PRESSURE ONLY)
3	3/4"
4	1"
6	1.5" (MEDIUM PRESSURE ONLY)

5	PORT TYPE
1	NPT (10000 PSIG MAX/690 BAR)
2	SAE J1926 (6000 PSIG MAX/414 BAR)
3	SAE AS5202 (6000 PSIG MAX/414 BAR)
4	MEDIUM PRESSURE (10000 PSIG MAX/690 BAR)
6	DOME PORT OPTIONS
1	1/4" FNPT
2	1/4" SAE J1926
3	1/4" SAE AS5202

MODIFICATIONS	
BLANK	None
E1	1/4" FNPT external sensing port
E2	1/4" SAE J1926 external sensing port
E3	1/4" SAE AS5202 external sensing port

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