

# 5033DL/5060DL SERIES

Dome Loaded, High Flow, High Pressure  
Pressure Reducing Regulators



Premier 5033DL/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 3.3 or 6.0. The 5033DL/5060DL features an externally loaded 1:1 dome load. Optional external sensing port for improved accuracy.

## FEATURES

- Flow capacity (Cv): 3.3, 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.

## 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):** 3.3 or 6.0

## MATERIALS OF CONSTRUCTION

- **BODY:**
  - 316 Stainless Steel
- **PISTON:**
  - 316 Stainless Steel
- **VALVE HOUSING:**
  - 17-4 Stainless Steel
- **MAIN VALVE SEAT OPTIONS:**
  - PTFE filled PEEK
  - VESPEL® SP-1
  - PEEK®
- **O-RING OPTIONS:**
  - BUNA-N
  - Viton®
  - EPDM
  - Low-Temp Nitrile
- **BACK-UP RINGS:**
  - PTFE
- **STANDARD LUBRICANT:**
  - Krytox® GPL 206

## PORTING

- **INLET & OUTLET OPTIONS:**
  - 1/2 FNPT, SAE AS5202, SAE J1926 (Cv 3.3 only)
  - 9/16 Medium Pressure, High Pressure
  - 3/4 FNPT, SAE AS5202, SAE J1926, Medium Pressure, H.P.
  - 1" FNPT, SAE AS5202, SAE J1926, Medium Pressure, H.P.
  - 2" GRAYLOC 2GR14
  - 1.5" Medium Pressure
- **EXTERNAL SENSING PORT OPTIONS:**
  - 1/4 FNPT, AS5202, J1926
- **DOME PORT OPTIONS:**
  - 1/4 FNPT, SAE J1926, SAE AS5202\*\*  
*\*\* (SAE AS5202 supersedes MS33649)*

## OPTIONS

- Private Label

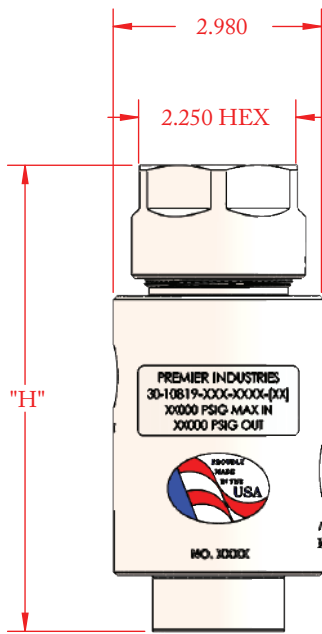
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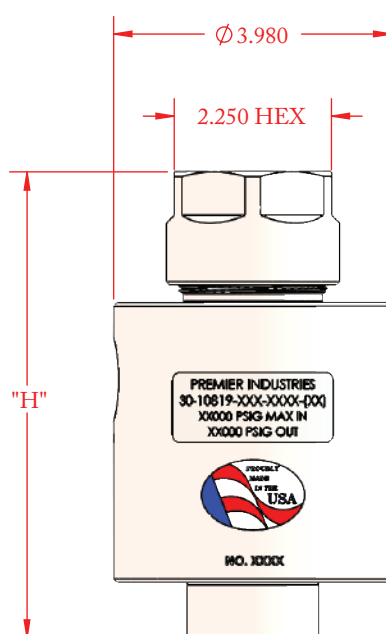
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*Contact factory for material certifications. Fees may apply.*

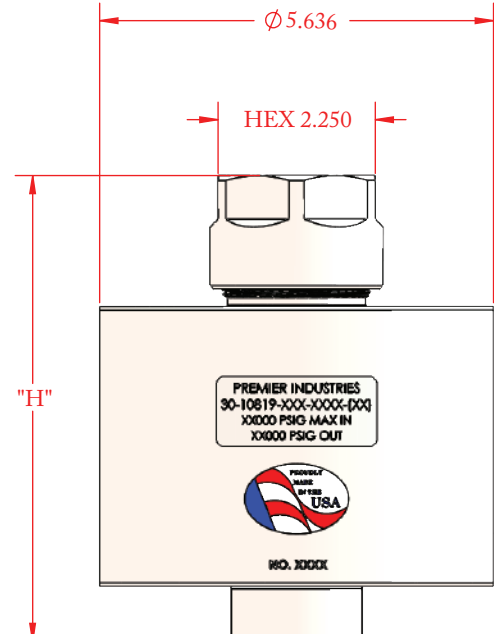
**PART NUMBER: 30-10819**



PORTS: 1/2" NPT



PORTS: 3/4" NPT, 1" NPT, 1/2" SAE J1926,  
1/2" AS5202, 3/4" SAE J1926, & 3/4" AS5202



PORTS: 1" SAE J1926 & 1" AS5202

PART NUMBER:	Cv	Height "H"
30-10819-XXX-XXX3	3.3	6.67"
30-10819-XXX-XXX6	6.0	6.87"

PART NUMBER:	-	1	2	3	-	4	5	6	7	-	MODS
30-10819	-				-					-	

1	SEAT MATERIAL OPTIONS
1	PTFE FILLED PEEK®
2	PEEK®
3	VESPEL SP-1®
2	O-RING MATERIAL OPTIONS
0	Buna-N
2	Viton®
5	EPDM
9	Low-Temperature Nitrile
3	BODY MATERIAL
1	316 Stainless Steel
4	PORT SIZE
1	1/2" <i>(Cv 3.3 only, not available in medium/high pressure)</i>
2	9/16" <i>(medium or high pressure only)</i>
3	3/4"
4	1"
5	2" <i>(Grayloc only)</i>
6	1.5" <i>(medium pressure only)</i>

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)
5	HIGH PRESSURE (10000 PSIG MAX/690 BAR)
6	GRAYLOC 2GR14 (6000 PSIG MAX/414 BAR)
6	DOMES PORT OPTIONS
1	1/4" FNPT
2	1/4" SAE J1926
3	1/4" SAE AS5202
7	Cv RATING:
3	3.3
6	6.0

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
AC	Krytox 240AC

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