PREMIER INDUSTRIES

3023 SERIES

High Pressure (15000 PSIG MAX), Piston Sensed
Pressure Reducing Regulators

The high pressure Premier 3023 Series pressure reducing regulators are single stage, piston sensed, variable delivery, pressure reducing regulators, designed for inlet and outlet pressures up to 15000 PSIG *(1034.21 bar)* and Cv 0.06, or 0.12.

Premier 3023 Series regulators are used to regulate a broad range of non-corrosive and corrosive media (based on materials of construction). The regulator's captured venting allows gases to be safely piped away. Premier 3023 Series regulators can be supplied with a wide range of inlet and outlet configurations.

FEATURES

- Captured venting *(optional non-venting modification available)*
- 15000 PSIG *(1034.21 bar)* MAX
- Cv 0.06, or 0.12
- Numerous optional features
- Economical pricing
- Machined bar stock body, bonnet and piston 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

- **MAX INLET PRESSURE (SS):**
  - 15000 PSIG *(1034.21 bar)*
- **CONTROL PRESSURE RANGES:**
  - 5-500 PSIG *(0.34 - 34.47 bar)*,
  - 5-1000 PSIG *(0.34 - 68.95 bar)*,
  - 10-1500 PSIG *(0.69 - 103.42 bar)*,
  - 15-2500 PSIG *(1.03 - 172.37 bar)*,
  - 25-4000 PSIG *(1.72 - 275.79 bar)*,
  - 50-6000 PSIG *(3.45 - 413.69 bar)*,
  - 100-10000 PSIG *(6.89 - 689.48 bar)*,
  - 300-15000 PSIG *(20.68 - 1034.21 bar)*
- **FLOW (Cv):** 0.06, 0.12
- **OPERATING TEMPERATURE:**
  - -15°F/-26°C to 165°F/74°C (BUNA-N)
  - -4°F/-20°C to 165°F/74°C (VITON®)
  - -65°F/-54°C to 165°F/74°C (EPDM)
  - 15°F/-9°C to 165°F/74°C (AFLAS)
  - -65°F/-54°C to 165°F/74°C (NITRILE)

MATERIALS OF CONSTRUCTION

- **BODY** : 316 Stainless Steel,
- **BONNET**: 17-4 Stainless Steel
- **WETTED PARTS, OTHER**:
  - 316 Stainless Steel,
  - 17-4 Stainless Steel
- **BACK-UP RINGS**:
  - PTFE
  - PCTFE
- **VALVE SEAT**: Vespel®

Vespel® & Viton® are registered trademarks of E.I.duPont de Nemours and Company
Contact factory for material certifications. Fees may apply.

PORTING

- **INLET/OUTLET/**
  - 1/4" FNPT *(standard)*, medium pressure, high pressure
  - 3/8" FNPT, medium pressure, high pressure
  - 9/16" medium pressure
- **VENT PORTING**:
  - 1/4" FNPT *(standard)*
  - 1/4" Medium pressure
  - 1/4" High pressure
- **GAUGE PORTS:** 1/4" FNPT

OPTIONS

- Gauges
- Private label
- Panel mounting bracket: *P/N: 30-10059 (Ø2.15 panel hole)*
- Panel mounting nuts: *P/N: 30-10189 (Ø2.28 panel hole)*
- Non-venting modification
- Tamper resistant acorn nut
- Ball-bearing loader

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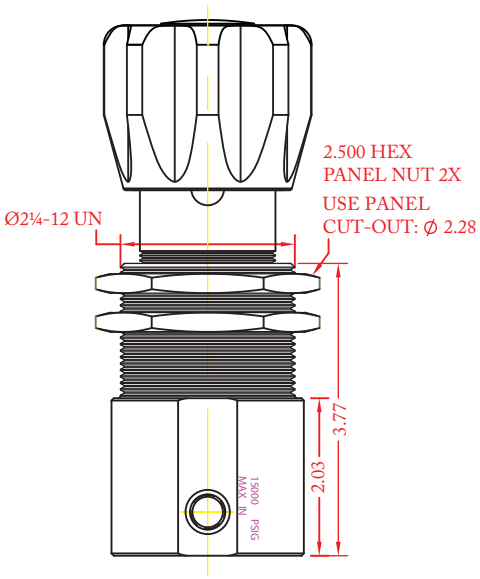
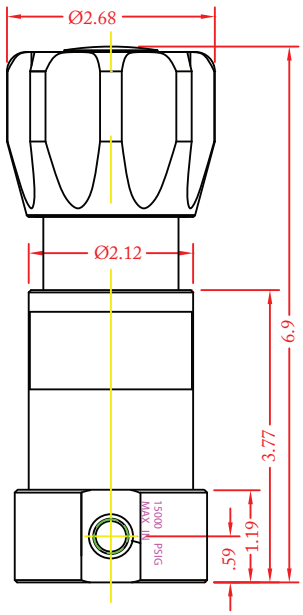
PART NUMBER: 30-10213G

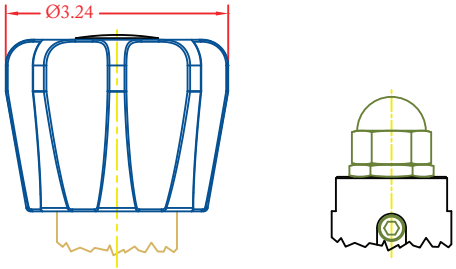
PANEL NUT STYLE



PANEL MOUNTING BRACKET STYLE

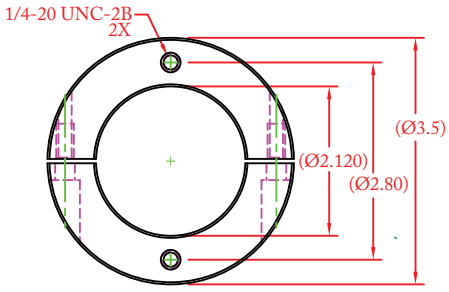


OPTIONAL BALL BEARING LOADER OR TAMPER RESISTANT ACORN NUT



PANEL MOUNTING BRACKET *(optional)*

Part number: 30-10059



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SERIES	1 2	-	3	4	5	6	-	7 8	9	-	MODS
30-10213G		-					-			-	

1 2	MOUNTING STYLE
MB	Mounting bracket style body
PN	Panel nut style body
3	**OUTLET PRESSURE**
1	5-500 PSIG / *0.34-34.5 Bar*
2	5-1000 PSIG / *0.34-68.9 Bar*
3	10-1500 PSIG / *0.69-103.4 Bar*
4	15-2500 PSIG / *1.0-172.4 Bar*
5	25-4000 PSIG / *1.7-275.8 Bar*
6	50-6000 PSIG / *3.4-413.7 Bar*
7	100-10000 PSIG / *6.9-689.5 Bar (stainless steel only)*
8	300-15000 PSIG / *20.68-1034.21 Bar (stainless steel only)*

15000 PSIG MAX INLET
The end user is responsible to ensure adequate fittings are used to connect regulator to plumbing

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Contact factory for material certifications. Fees may apply.

4	PORTING CONFIG.
A	
L	
C	
S	
E	
5	**PORT SIZE** *(Gauge ports 1/4" FNPT)*
4	1/4"
6	3/8"
9	9/16" *(only available in medium pressure)*
6	**PORT TYPE** *(1/4" vent port)*
1	FNPT
4	Medium Pressure
5	High Pressure

7 8	O-RINGS
00	BUNA-N
01	AFLAS®
02	VITON®
05	EPDM
11	KALREZ® *(contact factory for pricing)*
12	NITRILE, LO-TEMP
9	**Cv MAIN VALVE** *Valve seat material*
0	Cv 0.06 *VESPEL®*
1	Cv 0.12 *VESPEL®*
	(Vent valve: Cv 0.06)

MODIFICATIONS *Separate multiple mods with a dash*	
Blank	None
ANT	Acorn nut
BBL	Ball-bearing loader
NV	Non-venting