HIGH PRESSURE
15000 PSIG
Back Pressure Regulators

3123 SERIES

PREMIER INDUSTRIES

1590 99th Ln NE,
Minneapolis, MN 55449
763-786-4020

MADE IN THE USA
Minneapolis, MN

DESCRIPTION

High pressure Premier 3123 Series back pressure regulators are single stage, piston sensed, variable control pressure regulators, rated for inlet pressures up to 15000 PSIG *(1034.21 bar)* with a control pressure range of 300-15000 PSIG *(20.68 - 1034.21 bar)*. For optimum compatibility with your desired application, we offer a choice of two seat materials: Vespel® and PEEK®. The 3123 Series regulator features a low torque hand knob for smooth adjustments.

FEATURES

- Rated for pressures up to 15000 PSIG *(1034.21 bar)*
- Flow capacity (Cv): 0.06
- Low torque ball bearing hand knob
- Very competitive pricing
- Machined bar stock body, bonnet and piston eliminates porosity found in castings
- Numerous optional features are available.

The Premoer 3123 Series pressure reducing regulator's design is remarkably flexible. Contact Premier Industries for a custom 3123 Series regulator to meet your exact needs.

3123 SERIES

HIGH PRESSURE
15000 PSIG
Back Pressure Regulators

SPECIFICATIONS

- **MAXIMUM INLET PRESSURE:** 15000 PSIG *(1034.21 bar)*
- **CONTROL PRESSURE RANGE:**
  - 300-15000 PSIG *(20.68 - 1034.21 bar)*
- **FLOW (Cv):** 0.06
- **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

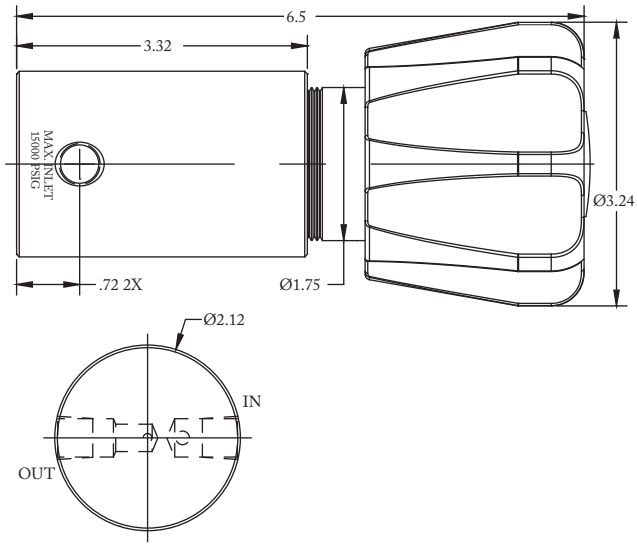
- **BODY** :
  - 316 Stainless Steel,
- **BONNET**:
  - 17-4 Stainless Steel
- **WETTED PARTS, OTHER**:
  - 316 Stainless Steel
  - 17-4 Stainless Steel
  - PH15-7Mo Stainless Steel
- **O-RINGS:**
  - BUNA-N
  - AFLAS®
  - Viton®
  - EPDM
  - KALREZ®
  - Nitrile, Lo-temp
- **BACK-UP RINGS**: PTFE or PCTFE
- **VALVE SEAT**:
  - Vespel®
  - PEEK®

PORTING

- **INLET PORTING**:
  - 1/4" FNPT *(standard)*
  - 1/4" Medium press
  - 1/4" High press
- **OUTLET PORTING:**
  - 1/4" FNPT *(standard)*
  - 1/4" Medium press
  - 1/4" High press

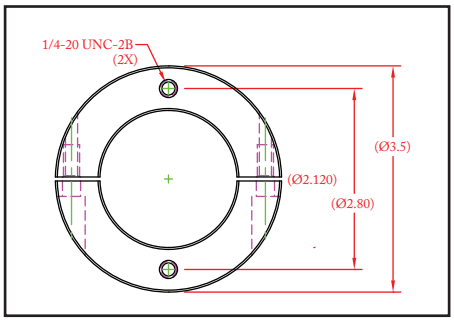
OPTIONAL ITEMS

- Inlet gauge
- Private label
- Panel mounting bracket
- Air operated design
- Dome loaded design
- Tamper resistant acorn nut



Part number shown above: 30-10223G

OPTIONAL PANEL MOUNTING BRACKET



Vespel® Kalrez® & Viton® are registered trademarks of E.I.duPont de Nemours and Company

AFLAS® is a regestered trademark of the Asahi Glass Co., Ltd.

PEEK® is a registered trademark of Victrex PLC

D/C: 162306

HIGH PRESSURE
15000 PSIG
Back Pressure Regulators

3123 SERIES

PART #	-	1	2	3	-	4	5 6
30-10223G	-				-		

1	CONTROL PRESSURE
8	300-15000 PSIG *(20.68 - 1034.21 Bar)*
2	**PORT SIZE**
4	1/4”
3	**PORT TYPE**
1	FNPT
4	Medium pressure
5	High pressure

4	VALVE SEAT
0	Vespel®
1	PEEK®
5 6	**O-RINGS**
00	BUNA-N
01	AFLAS®
02	VITON®
05	EPDM
11	KALREZ®
12	Nitrile, lo-temp

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

Kalrez® Vespel® & Viton® are registered trademarks of E.I.duPont de Nemours and Company
AFLAS ® is a regestered trademark of the Asahi Glass Co., Ltd.
PEEK® is a registered trademark of Victrex PLC