



## HIGH PRESSURE LOADER PISTON SENSED *Pressure Reducing Regulators*

# 3025HPL SERIES

### PREMIER INDUSTRIES

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



**MADE IN THE USA**  
*Minneapolis, MN*

### DESCRIPTION

Premier 3025HPL Series regulators are high pressure loaded, piston sensed, single stage, pressure reducing regulators, rated for inlet pressures up to 20000 psig (1378.95 bar), loading pressure up to 1500 psig (103.42 bar) and Cv 0.04 (in full open condition). Available with outlet:loader ratios of 5:1, and 13:1. Captured venting standard. With over 4 times the sensing area of the 3025 Series regulator, the 3025HPL Series allows precise control in applications where high pressure loading supplies are available.

### FEATURES

- Rated for inlet pressures up to 20000 PSIG (1378.95 bar)
- Max loading pressure: 1500 psig (103.42 bar)
- Load ratios: 5:1, 13:1 (outlet:loader ratio)
- Flow capacity (Cv): 0.04 (in full open condition)
- Captured venting
- Machined bar stock body, bonnet and piston eliminates porosity found in castings



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## SPECIFICATIONS

- **MAXIMUM INLET PRESSURE:** 20000 PSIG (1378.95 bar)
- **MAXIMUM LOADING PRESSURE:** 1500 PSIG (103.42 bar)
- **OUTLET:LOADER RATIO:**
  - 5:1 (~6000:1200 PSI, ~7500:1500 PSIG)
  - 13:1 (~15000:1200 PSI, ~19000:1500 PSIG)
- **FLOW (Cv):** 0.04 (in full open condition)
- **VENT VALVE (Cv):** 0.04 (in full open condition)
- **TEMPERATURE RATING (BY O-RING MATERIAL):**
  - -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)

*\*\*lower temperature compounds available upon request*

## MATERIALS OF CONSTRUCTION

### PROCESS WETTED MATERIALS:

- **BODY AND SENSOR COMPONENTS:** 17-4 Stainless Steel
- **MAIN VALVE:**
  - 316 Stainless Steel and 17-4 Stainless Steel
- **MAIN VALVE/VENT SEAT:**
  - Vespel®
- **O-RINGS:**
  - BUNA-N
  - Viton-A®
  - EPDM

### LOADER WETTED MATERIALS:

- **CAP AND LOADER COMPONENTS (WETTED):**
  - 17-4 Stainless Steel

### NON-WETTED MATERIALS:

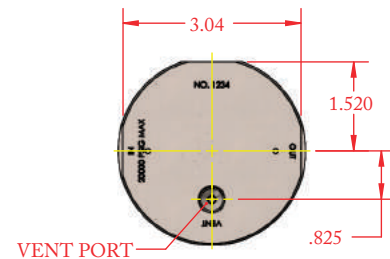
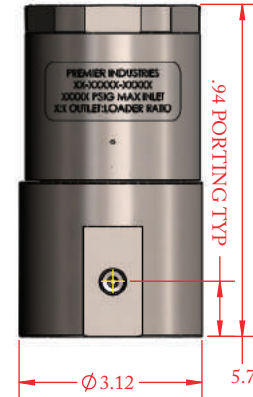
- **COUPLER:**
  - 17-4 Stainless Steel
- **BEARING BALL AND LOAD BEARING DISC:**
  - High strength tool steel
- **WAVE SPRING:** 17-4 Stainless steel

## PORTING

- **PROCESS PORTS**
  - 1/4" Medium pressure
- **LOAD/VENT PORTS**
  - AS5202 SIZE-04

## OPTIONAL ITEMS

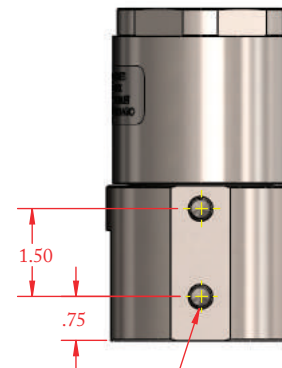
- Gauge
- Private label



TOP VIEW



LOADING PORT  
1500 PSIG MAX



MOUNTING HOLES  
3/8-24 UNF .5, 2X

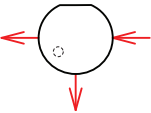
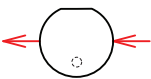
(Part number 30-10614 shown above)



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PART NUMBER	-	1	2	-	3	4	-	5	6
30-10614	-			-			-		

1	OUTLET:LOADER RATIO
1	5:1 (~6000:1200 PSI, ~7500:1500 PSIG)
2	13:1 (~15000:1200 PSI, ~19000:1500 PSIG)
2	PORTING CONFIGURATION
B	
S	
3	PROCESS PORTS
1	Medium pressure, 1/4"
4	LOAD/VENT PORTS
1	AS5202 SIZE-04

5	O-RING MATERIAL
1	Buna-n
2	Viton-A®
3	EPDM
6	PROCESS WETTED LUBRICANT
1	KRYTOX GPL206
2	KRYTOX 240AC
3	KRYTOX 240AZ

**20000 PSIG MAX INLET**

*The end user is responsible to ensure properly rated equipment, plumbing, and fittings are used*

*Viton® is a registered trademark of E.I.duPont de Nemours and Company*

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