

HP 741

High Purity - Stainless Steel Barstock Regulator



Model HP 741-125-580-AD

MATERIALS

| | |
|---------------------------|--------------------------------------|
| Body | 316L Stainless Steel Barstock |
| Bonnet | Chrome Plated Brass Barstock |
| Diaphragm | 316L Stainless Steel |
| Nozzle | 316L Stainless Steel |
| Seat | PTFE Teflon |
| Seals | PTFE Teflon |
| Filter | Sintered Stainless Steel - 10 Micron |
| Seat Return Spring | 316L Stainless Steel |
| Adjusting Knob | ABS Plastic |

Model HP 741 is a single stage stainless steel cylinder regulator for applications where a slight rise in delivery pressure from full to empty cylinder can be tolerated. The Model HP 741 is suitable for:

- Corrosive gas applications
- High purity gas applications
- Research sample systems gases
- Process analyzer gases
- Gas chromatography
- EPA protocol gases
- Laser gas systems
- Emission monitoring systems

Recommended for corrosive gases or purity levels of Grade 6.0 (99.9999) and higher.

FEATURES

- 1 11/16" 316L stainless steel diaphragm eliminates contamination from diffusion or outgassing
- One piece encapsulated seat design includes a sintered filter to protect the seat from particulate contamination
- Chrome plated bonnet, 316L SS body and fittings
- 2" stainless steel dual scale gauges (psi/bar)
- 1 x 10⁻⁹ cc/sec. inboard helium leak rate to maintain gas purity levels
- Front or back panel mountable
- Maximum inlet 3000 PSIG except for models with
- CGA 240, 300 and 510 equipped with 400 PSIG inlet gauge

RELATED OPTIONS

Front Panel Mount Kit P/N: 9100871

Wall mounting Bracket P/N: 9101242



HP 741 ORDERING INFORMATION

HP 741 - XXX - XXX - XXXX - XXXXX

| MODEL NO. | DELIVERY PRESSURE | | CGA/INLET FITTING | | ACCESSORIES | OPTIONS |
|-----------|-------------------|-----------------------------|-------------------|-----|---|--------------------------------------|
| | DELIVERY | (OUTLET GAUGE) | | | | |
| HP 741 | 0-15 PSIG | (30" Hg Vac-30 psi/2 bar) | 240 | 510 | A) 1/4" FNPT Diaph. Valve | 2) He Leak Cert. (Inboard) |
| | 0-50 PSIG | (30" Hg Vac-100 psi/7 bar) | 320 | 540 | B) 1/4" MNPT Nipple | 3) No Gauges |
| | 0-125 PSIG | (30" Hg Vac-200 psi/14 bar) | 326 | 580 | C) 1/4" FNPT Port | 4) With Relief Valve |
| | 0-250 PSIG | (400 psi/28 bar) | 330 | 590 | D) 1/4" Tube Fitting | 5) He Leak Cert. (Outboard) |
| | 0-500 PSIG | (1000 psi/70 bar) | 346 | 660 | E) 1/8" Tube Fitting | 6) 400 PSI Inlet Gauge |
| | | | 350 | 705 | F) Single Regulator Alarm | Gas Service Must be Specified |
| | | | 000 (1/4" FNPT) | | G) SG 910 SS Regulator Mounting Station | |
| | | | 001 (1/4" MNPT) | | | |



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Thai Engineering Gas Co., Ltd.

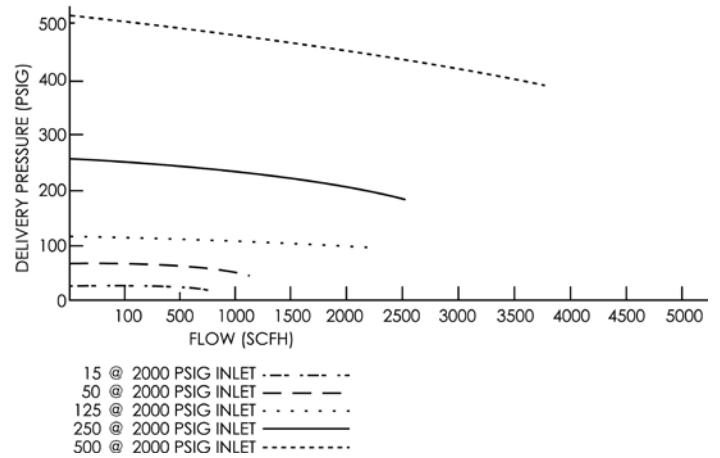
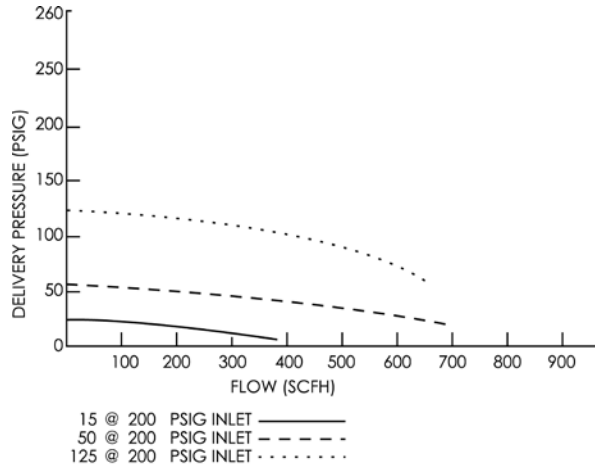
THE HARRIS PRODUCTS GROUP

Orders: 1.800.733.4043



HP 741 TECHNICAL SPECIFICATIONS

FLOW DATA



SPECIFICATIONS

- C_v : .08
- Pressure Regulation: 1.8 PSIG/100 PSIG
- Weight: 2.92 lbs.

DIMENSIONS

