

# Natural Gas & Propane Regulators

**P32** Superior regulation and excellent stability make the P32 Regulator ideal for lower flow applications. Square head adjustment screw allows for easy in-field calibration. The P32 is available with handwheel adjustment, output pressure gauge and/or mounting bracket as options. The use of a relief valve is recommended for this product in accordance with NFPA 58.

- 60-mesh screen
- UL listed (Standard P32)
- NACE construction available
- Harmful particles blocked
- Non-Relieving
- Temperature Range -0 to 160 °F

**P36** This reliable precision preset regulator is ordered with the exact pressure regulation required. Ideal for areas requiring tamper resistant components or where incidental re-adjustment is a concern. The use of a relief valve is recommended for this product in accordance with NFPA 58.

- 60-mesh screen
- UL listed (Standard P36)
- NACE construction available
- Temperature Range -0 to 160 °F
- Harmful particles blocked
- Release undesirable moisture
- Non-Relieving

**P37** The P37 contains many of the same characteristics as the P38, but at a reduced price. At 110 SCFM (16.5 Mbtu/hr), the P37 offers flow rates comparable to current market suppliers. The use of a relief valve is recommended for this product in accordance with NFPA 58.

- Balanced pintle design
- Bubble tight/non-relieving
- 16.5 Mbtu/hr. (110 scfm)
- UL listed
- Bellofram Rolling Diaphragm
- High flow capacity
- Enclosed space use
- High volume applications
- Non-Relieving
- Temperature Range -40 to 200 °F

**P38** The P38 uses a patented balanced pintle design which eliminates unsteady changes in outlet pressure due to inlet pressure fluctuations. The P38 is a spring opposed, diaphragm - operated, non-relieving regulator. The use of a relief valve is recommended for this product in accordance with NFPA 58.

- Balanced pintle design
- Bubble tight/non-relieving
- 27 Mbtu/hr (260 scfm)
- UL listed
- Bellofram Rolling Diaphragm
- Temperature Range -40 to 200 °F
- Exceptional flow capacity
- Enclosed space use
- High volume applications
- Minimal effect on output pressure from variation of supply pressure

## Applications

- Pneumatic Controllers
- Valve Positioners
- Actuation
- Fuel Gas
- Compressed Air



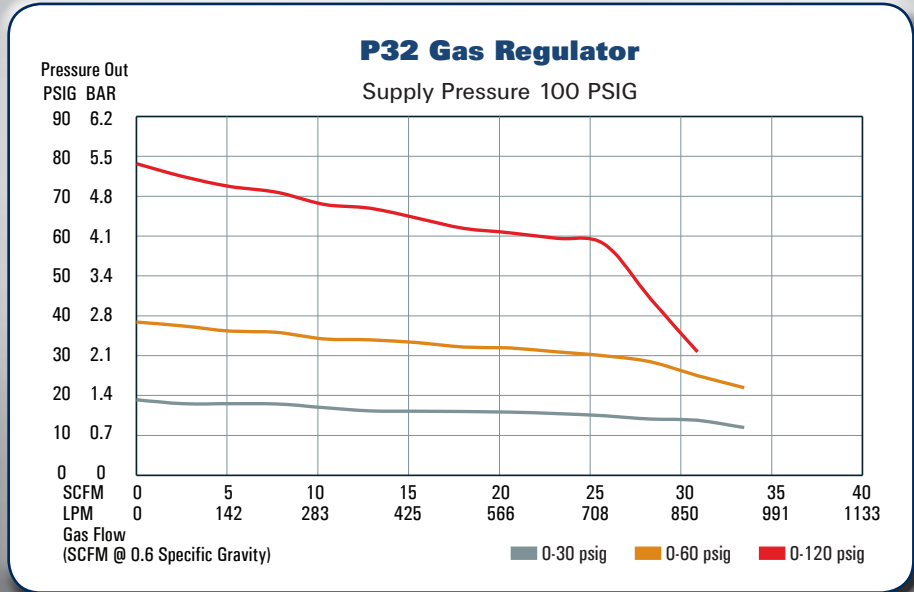
## Specifications

|                           | P32  | P36  | P37  | P38   |
|---------------------------|--|--|--|---|
| Sensitivity               | 1" water column  | 1" water column  | 1" water column  | 1/2" water column                             |
| Max. Inlet Pressure       | 250 PSIG (17 BAR)  | 250 PSIG (17 BAR)                                      | 400 PSIG (28 BAR)  | 400 PSIG (28 BAR)                             |
| Port Size                 | 1/4 NPT  | 1/4 NPT  | 1/2, 3/4 NPT   | 3/8, 1/2, 3/4, 1 NPT                          |
| Outlet Ranges             | 0-10, 0-30, 0-60, 0-120 PSIG<br>(0-0.7, 0-2, 0-4, 0-8 BAR) | 0-20, 20-40, 40-60 PSIG<br>(0-1.4, 1.4-2.8, 2.8-4 BAR) | 0-10, 0-30, 0-60, 0-125 PSIG<br>(0-0.7, 0-2, 0-4, 0-8 BAR) | 0-30, 0-60, 0-125 PSIG<br>(0-2, 0-4, 0-8 BAR) |
| Adjustment                | Adjustment Screw   | None   | T-Bar  | T-Bar   |
| Materials of Construction | Aluminum, Brass, Plated Steel, Buna-N                      | Aluminum, Brass, Plated Steel, Buna-N                  | Zinc, Aluminum, Plated Steel, Buna-N, Brass                | Zinc, Aluminum, Plated Steel, Buna-N, Brass   |
| Diaphragm Material        | Nitrile Elastomer with Polyester Fabric                    | Nitrile Elastomer with Polyester Fabric                | Nitrile Elastomer with Polyester Fabric                    | Nitrile Elastomer with Polyester Fabric       |
| Approximate Weight        | 0.85 lbs, 0.38 kg  | 0.70 lbs, 0.32 kg                                      | 1.4 lbs, 0.63 kg   | 5.0 lbs, 2.25 kg                              |

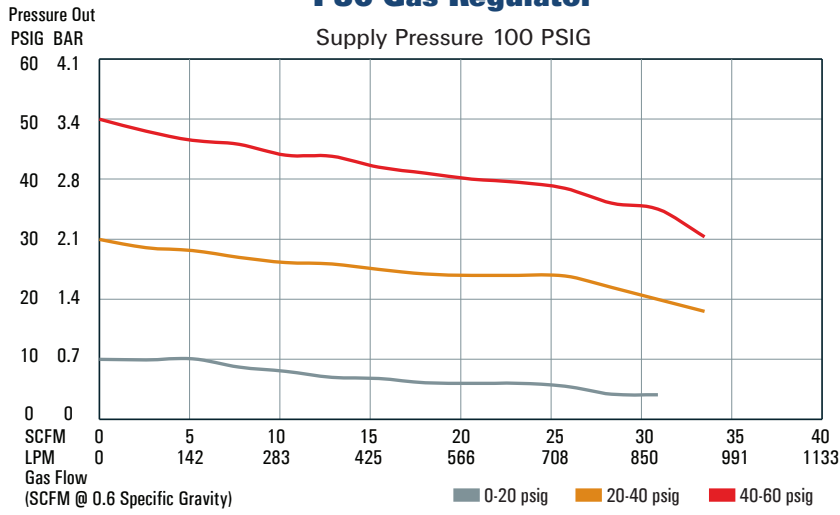
**P32, 36, 37 & 38 Part Matrix**

|    |     |  |  |  |  |  |   |   |   |  |
|----|-----|--|--|--|--|--|---|---|---|--|
| P0 |     |  |  |  |  |  | 0 | 0 | 0 | Regulator                                |
|    | 32  |  |  |  |  |  |   |   |   | P32 regulators                           |
|    | 36  |  |  |  |  |  |   |   |   | P36 regulators                           |
|    | 37  |  |  |  |  |  |   |   |   | P37 regulators                           |
|    | 38  |  |  |  |  |  |   |   |   | P38 regulators                           |
|    |     |  |  |  |  |  |   |   |   | Body Size                                |
|    | 02  |  |  |  |  |  |   |   |   | 1/4" P32 & P36 only                      |
|    | 03  |  |  |  |  |  |   |   |   | 3/8" P38 only                            |
|    | 04  |  |  |  |  |  |   |   |   | 1/2" P37 & P38 only                      |
|    | 06  |  |  |  |  |  |   |   |   | 3/4" P37 & P38 only                      |
|    | 08  |  |  |  |  |  |   |   |   | 1" P38 only                              |
|    |     |  |  |  |  |  |   |   |   | Spring Range (see 'NOTE' for P36)        |
|    | 010 |  |  |  |  |  |   |   |   | 0-10 PSIG 0-0.7 BAR P32 & P37 only       |
|    | 030 |  |  |  |  |  |   |   |   | 0-30 PSIG 0-2 BAR P32, P37, P38          |
|    | 060 |  |  |  |  |  |   |   |   | 0-60 PSIG 0-4.1 BAR P32, P37, P38        |
|    | 120 |  |  |  |  |  |   |   |   | 0-120 PSIG 0-8.3 BAR P32 only            |
|    | 125 |  |  |  |  |  |   |   |   | 0-125 PSIG 0-8.6 BAR P37 & P38 only      |
|    |     |  |  |  |  |  |   |   |   | Special Construction                     |
|    | 0   |  |  |  |  |  |   |   |   | None                                     |
|    | 1   |  |  |  |  |  |   |   |   | Epoxy Paint P37 & P38 only               |
|    | 2   |  |  |  |  |  |   |   |   | Tapped supply port for gauge P38 only    |
|    | 3   |  |  |  |  |  |   |   |   | Both options 1 & 2 P38 only              |
|    | 4   |  |  |  |  |  |   |   |   | PED Version (for EU) P32, P37 & P38 only |
|    | 5   |  |  |  |  |  |   |   |   | Tapped vent P32, P37 & P38 only          |
|    | 6   |  |  |  |  |  |   |   |   | Options 1 & 5 P37 & P38 only             |
|    | 7   |  |  |  |  |  |   |   |   | Options 2 & 5 P38 only                   |
|    |     |  |  |  |  |  |   |   |   | Adjusting Method                         |
|    | 0   |  |  |  |  |  |   |   |   | No Option P36, P37 & P38 only            |
|    | 1   |  |  |  |  |  |   |   |   | Adjusting Screw P32 only                 |
|    | 2   |  |  |  |  |  |   |   |   | Handwheel P32 only                       |
|    |     |  |  |  |  |  |   |   |   | Versions                                 |
|    | 0   |  |  |  |  |  |   |   |   | Standard                                 |
|    | N   |  |  |  |  |  |   |   |   | NACE P32 & P36 only                      |
|    |     |  |  |  |  |  | 0 | 0 | 0 |  |

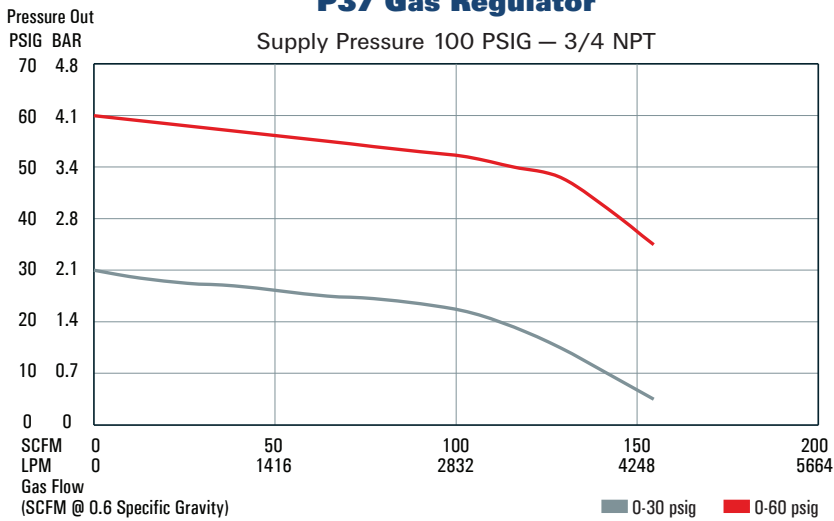
\* NOTE: For P36  
Enter the preset value in PSIG,  
Example: 10 PSIG = 010  
Minimum Pressure = 2 PSIG  
Maximum Pressure = 60 PSIG



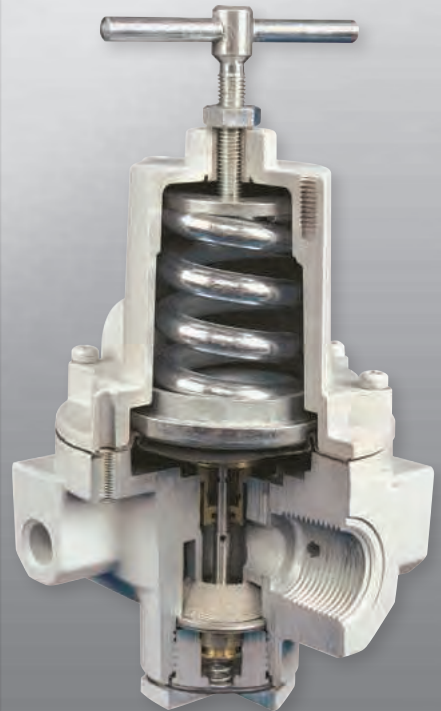
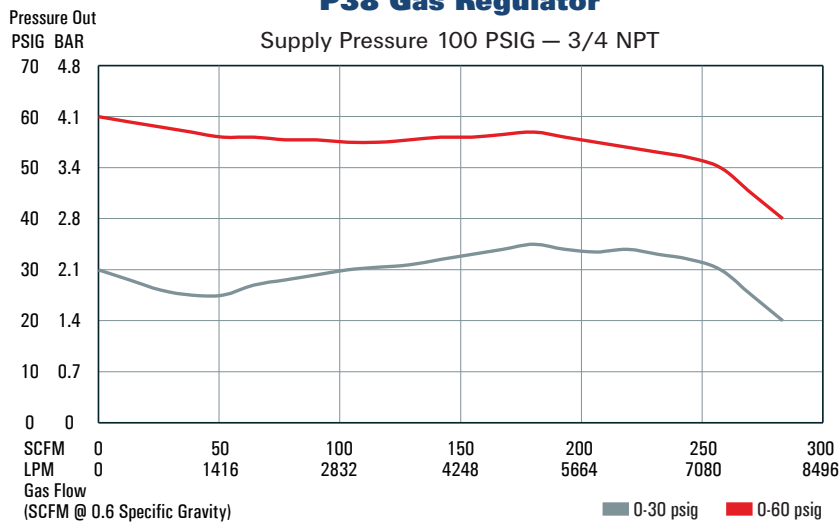
### P36 Gas Regulator



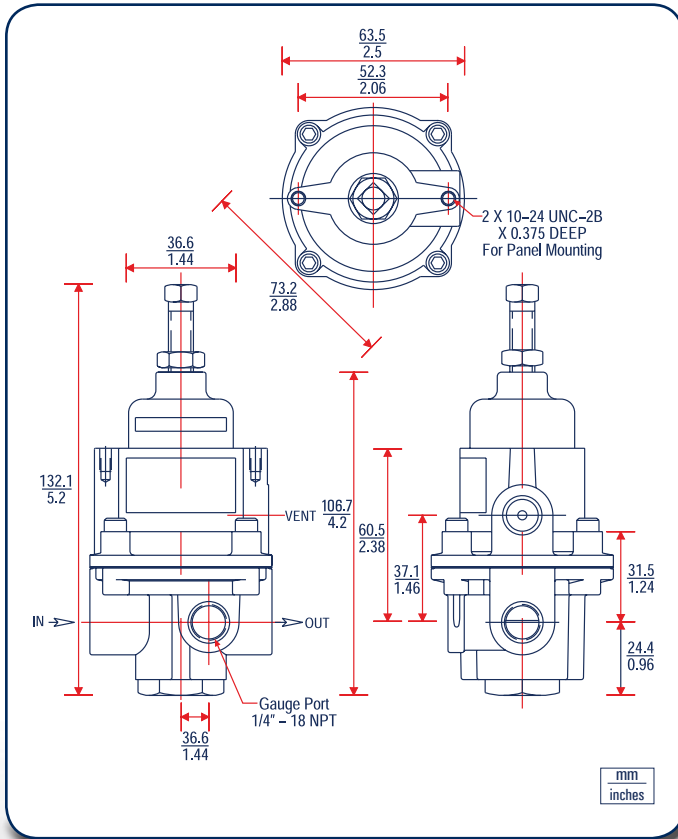
### P37 Gas Regulator



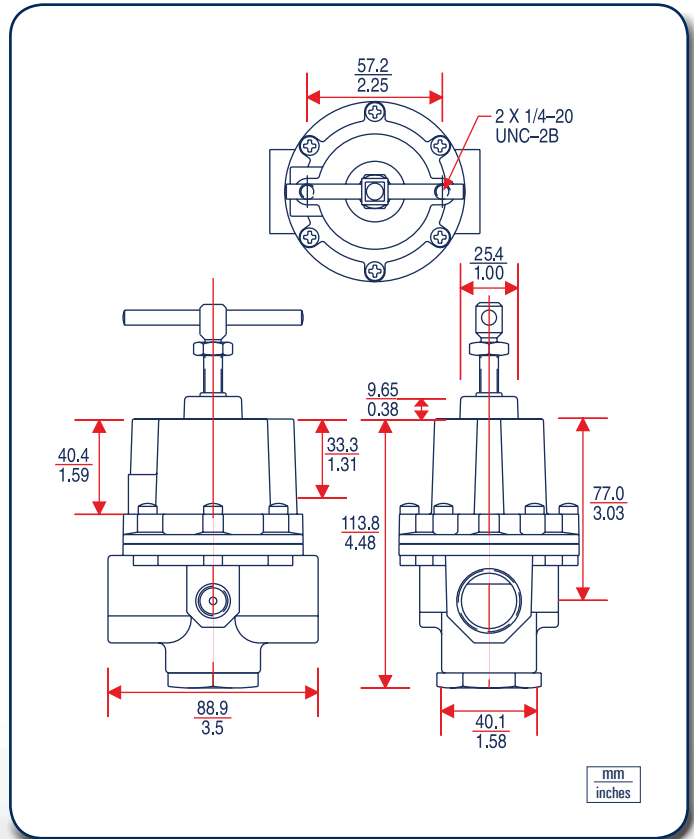
### P38 Gas Regulator



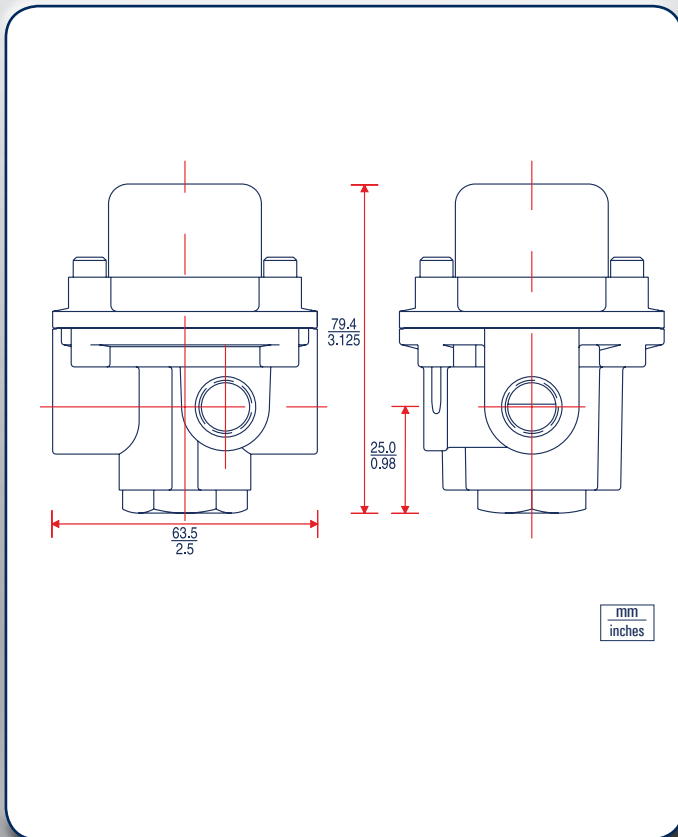
**P32 Dimensions**



**P37 Dimensions**



**P36 Dimensions**



**P38 Dimensions**

