



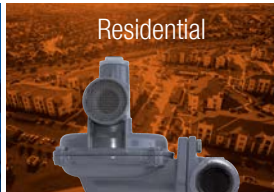
A GLOBAL LEADER IN THE  
DESIGN AND MANUFACTURE  
OF HIGH AND LOW PRESSURE  
REGULATOR PRODUCTS



Industrial



Commercial



Residential




Pressure Protection

SLAM SHUTS

REGULATORS

BACK PRESSURE/RELIEF VALVES

INSTRUMENT REGULATORS/FILTERS/ELECTRONICS



The BelGAS division of Marsh Bellofram is a global leader in the design and manufacture of both high- and low-pressure regulator products. These include general purpose gas regulators, back pressure relief regulators, flow controllers, manifold systems, instrument air regulators, and electronic products for oil, gas, and petrochemical (pipeline) applications and for gas regulation. All of our products are renowned for their high quality, accuracy, and dependability within critical applications.

**Bel****GAS**<sup>™</sup>

[www.mb-belgas.com](http://www.mb-belgas.com)



**P100SX**

- Residential slam shut regulator
- Dual stage design – better droop performance
- Over pressure and under pressure shut off protection



**P627SX**

- High flow high pressure slam shut
- Manual reset and tamper resistant design
- Over pressure shut off accurate to 1 PSIG of setpoint
- P627SXT - Thermal Slam Shut



**P208/209**

- Internal or External Registration
- Over/Under Pressure protection
- Manual Reset



**P308/309**

- Commercial/Industrial slam shut with PSX2 module
- Over pressure and under pressure shut off
- P308 - Non-Relieving, P309 - Relieving

Model	Use	Max Inlet	Outlet Range	Max Outlet Flow	Port Sizes Inches
<b>P100SX</b>	Slam Shut - Ideal for Residential or Light Commercial Systems	125 PSIG	6" - 8" WC, 1.5 - 2.5 PSIG	1,832 SCFH	3/4, 3/4x1, 1
<b>P627SX</b>	Slam Shut - Ideal for Farm Tap, Small Gate Stations, and Fuel Gas	1,000 PSIG	5 - 150 PSIG	172,000 SCFH CV 5.30	3/4, 1, 2
<b>P208</b>	Direct Operated - Commercial, Industrial - Slam Shut, Non-Relieving	125 PSIG	2" WC - 10 PSIG, 11 ranges	25,000 SCFH CV 26.0	1-1/4, 1-1/2, 1-1/2x2, 2
<b>P209</b>	Direct Operated - Commercial, Industrial - Slam Shut, Relieving	125 PSIG	2" WC - 10 PSIG, 11 ranges	25,000 SCFH CV 26.0	1-1/4, 1-1/2, 1-1/2x2, 2
<b>P308</b>	Direct Operated - Commercial, Industrial - Slam Shut, Non-Relieving	125 PSIG	3" WC - 10 PSIG, 11 ranges	5,000 SCFH CV 8.57	1-1/4, 1-1/2, 1-1/2x2, 2
<b>P309</b>	Direct Operated - Commercial, Industrial - Slam Shut, Relieving	125 PSIG	3" WC - 10 PSIG, 11 ranges	5,000 SCFH CV 8.57	1-1/4, 1-1/2, 1-1/2x2, 2

\*Max inlet and flow rates may change with various material, orifice, body size, and port size selections.

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**P140**

- Compact Residential Regulator
- Complies with ANSI B109.4
- Straight or Angle Body



**P143**

- Small Commercial/Large Residential Regulator
- Complies with ANSI B109.4
- Boiler/Generator, Single End User Applications
- Low Pressure Cut-off Version Available



**P201/P202**

- P201 - Non-Relieving, P202 - Relieving
- External Registration available
- Available as “head-only”



**P301/P302**

- P301 - Non-Relieving, P302 - Relieving
- External Registration available
- Available as “head-only”
- Interchangeability with P200 body

Model	Use	Max Inlet	Outlet Range	Max Outlet Flow	Port Sizes Inches
<b>P140</b>	Direct Operated - Light Commercial, Industrial, Residential Regulator with IRV	125 PSIG	5" WC - 5 PSIG 7 ranges	4,300 SCFH CV 2.28	1/2, 3/4, 3/4x1, 1, 1-1/4
<b>P143</b>	Direct Operated - Commercial, Industrial, Full Sized Residential Regulator with IRV	125 PSIG	3.5" WC - 6 PSIG 11 ranges	4,600 SCFH CV 3.0	3/4, 1, 1-1/4
<b>P201</b>	Direct Operated - Commercial, Industrial, Non-Relieving	125 PSIG	2" WC - 10 PSIG 11 ranges	30,000 SCFH CV 26.0	1-1/4, 1-1/2, 2, Flanged
<b>P202</b>	Direct Operated - Commercial, Industrial, Relieving	125 PSIG	2" WC - 10 PSIG 11 ranges	30,000 SCFH CV 26.0	1-1/4, 1-1/2, 2, Flanged
<b>P301</b>	Direct Operated - Commercial, Industrial, Non-Relieving	125 PSIG	3" WC - 8 PSIG 8 ranges	17,000 SCFH CV 7.5	1-1/4, 1-1/2, 2, Flanged
<b>P302</b>	Direct Operated - Commercial, Industrial, Relieving	125 PSIG	3" WC - 5.5 PSIG 7 ranges	17,000 SCFH CV 7.5	1-1/4, 1-1/2, 2, Flanged

\*Max inlet and flow rates may change with various material, orifice, body size, and port size selections.

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**P627/R627**

- Direct acting regulators for high pressure applications
- Filter available
- P627 - Non-Relieving (Pressure Reducing)
- R627 - Relieving



**P630**

- Farm Tap, single user and custody transfer applications
- Low and High pressure variations



**P133**

- Custody transfer and single user applications
- Inline maintenance
- Balanced diaphragm design
- P133 - External Registration
- P134 - Internal Registration



**P133K**

- Custody transfer and single user applications
- Inline maintenance
- Balanced diaphragm design
- External Registration

Model	Use	Max Inlet	Outlet Range	Max Outlet Flow	Port Sizes Inches
<b>P627</b>	Direct Operated - Farm Tap, City Gate, Gas Gathering	2,000 PSIG	5 - 500 PSIG 7 ranges	172,000 SCFH CV 5.30	3/4, 1, 2, Socket, Flanged
<b>R627</b>	Direct Operated - Farm Tap, City Gate, District Gate, Gas Gathering	2,000 PSIG	5 - 500 PSIG across 7 ranges	172,000 SCFH CV 5.30	3/4, 1, 2, Socket, Flanged
<b>P630</b>	Direct Operated - First Stage High Pressure, Farm Tap, Gas Gathering	1,500 PSIG	3 - 500 PSIG 10 ranges	141,000 SCFH CV 8.20	1, 2, Flanged
<b>P133</b>	Direct Operated - Industrial Commercial	60 PSIG	2" WC - 10 PSIG 10 ranges	170,000 SCFH CV 51.40	2, Flanged
<b>P133K</b>	Direct Operated - Commercial, Industrial	150 PSIG	2 - 60 PSIG 7 ranges	370,000 SCFH CV 51.40	2, Flanged

\*Max inlet and flow rates may change with various material, orifice, body size, and port size selections.

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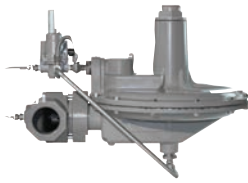


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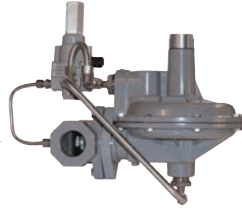
**P212**

- Minimize Sudden Downstream Load Change
- Wide Pressure Ranges
- Enhanced Relief



**F200**

- Pilot operated
- Stainless steel tubing/ fittings
- Zero bleed device



**F300**

- Pilot operated
- Stainless steel tubing/ fittings
- Zero bleed device



**F627**

- Pilot operated for Pressure Factor Measurement Applications
- Filter available

Model	Use	Max Inlet	Outlet Range	Max Outlet Flow	Port Sizes Inches
<b>P212</b>	Compressors, Gas Engines, Service Regulators, Commercial, Enhanced Relief	125 PSIG	2" WC - 5 PSIG 9 ranges	46,760 SCFH CV 20.1	1-1/4, 1-1/2, 2, 2 Flanged
<b>F200</b>	Pilot Operated - 14" Diaphragm, Commercial, Industrial, Fixed Factor Billing, Non-Relieving	125 PSIG	4" WC - 10 PSIG 3 ranges	37,290 SCFH CV 26.0	1-1/4, 1-1/2, 2 Flanged
<b>F300</b>	Pilot Operated - 7" Diaphragm, Commercial, Industrial, Fixed Factor Billing, Non-Relieving	125 PSIG	2 - 20 PSIG 2 ranges	5,000 SCFH CV 8.57	1-1/4, 1-1/2, 2 Flanged
<b>F627</b>	Pilot Operated - Farm Tap or Gate, ideal for Fixed Factor	250 PSIG	5 - 100 PSIG 2 ranges	639,000 SCFH CV 5.30	3/4, 1, 2, Socket, Flanged

\*Max inlet and flow rates may change with various material, orifice, body size, and port size selections.

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**P203**

- Integrated monitor operates independently of main regulator
- Test monitor in the field using Kit #971-203-T00



**P303**

- Integrated monitor operates independently of main regulator
- Test monitor in the field using Kit #971-303-T00



**PG103**

- 3" Diaphragm line pressure regulator
- ANSI/CSA Certified
- Natural Gas or Propane service



**PG105**

- 5" Diaphragm line pressure regulator
- ANSI/CSA Certified
- Natural Gas or Propane service

Model	Use	Max Inlet	Outlet Range	Max Outlet Flow	Port Sizes Inches
<b>P203</b>	Direct Operated/Monitor Commercial, Industrial, Relieving	125 PSIG	2" WC - 3.25 PSIG Monitor Springs across 13 ranges	25,000 SCFH CV 26.0	1-1/2x2, 2 Flanged
<b>P303</b>	Direct Operated/Monitor Commercial, Industrial, Relieving	125 PSIG	4" WC - 2.25 PSIG 6 ranges	17,600 SCFH CV 7.5	1-1/4, 1-1/2, 2 Flanged
<b>PG103</b>	Direct Operated - 3" Diaphragm, Commercial, Industrial - Vent Limiter	5 PSIG	2-6" WC, 5-9" WC, 7-11" WC	350 SCFH	1/2
<b>PG105</b>	Direct Operated - 5" Diaphragm, Commercial, Industrial - Vent Limiter	5 PSIG	7-11" WC	645 SCFH	3/4, 1

\*Max inlet and flow rates may change with various material, orifice, body size, and port size selections.

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**P99**

- Custody transfer and single user applications
- Inline maintenance
- External Registration



**P1098**

- High flow pilot operated regulator
- Liquid or gas service
- Loading pressure bleeds downstream – no atmospheric relief



**P95H**

- Gas, Steam, or Liquid Service
- Elastomer or metal diaphragm



**P600**

- Pressure loaded regulator, switching valve, or monitoring regulator
- Available with non-relieving, internal relief valve, or monitoring regulator option
- Full Cast Iron Construction

Model	Use	Max Inlet	Outlet Range	Max Outlet Flow	Port Sizes Inches
<b>P99</b>	Pilot Operated - Boilers, Pneumatic Headers, Large Commercial Gas	1,000 PSIG	3" WC - 100 PSIG 8 ranges	265,000 SCFH CV 24.0	2, Flanged
<b>P1098</b>	Pilot Operated - Commercial, Municipal, Plant Air Systems and Liquids	250 PSIG	4" WC - 75 PSIG	2,500,000 SCFH	2, 4
<b>P95H</b>	Direct Operated - Air, Steam, Liquids, Industrial & Heating Gases	300 PSIG	5 - 150 PSIG 8 ranges	199,000 SCFH CV 12.50	1/2, 3/4, 1, 1-1/2, 2 Flanged
<b>P600</b>	Direct Operated - Commercial, Industrial, Partial Relief	150 PSIG	4 - 7 PSIG 6 ranges	6,600 SCFH	3/4, 1

\*Max inlet and flow rates may change with various material, orifice, body size, and port size selections.

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**W627**

- Designed for liquid service
- External Registration available



**L627**

- LP Gas Regulator
- UL144 Listed



**P119**

- On/Off or Throttling Control
- NACE construction available

Model	Use	Max Inlet	Outlet Range	Max Outlet Flow	Port Sizes Inches
<b>W627</b>	Direct Operated - Liquid Service High & Low Pressure	900 PSIG	10 - 500 PSIG 3 ranges	82 gpm CV 3.76	3/4, 1, 2, Flanged
<b>L627</b>	Direct Operated - Commercial, NG Engines - Relieving Optional	200 PSIG	15 - 40 PSIG 2 ranges	6,500 SCFH CV 7.0	3/4, 1, 2
<b>P119</b>	Throttling or On/Off Valve - Fuel Valve for Heaters & Treaters, Liquids & Gases	150 PSIG	3 - 60 PSIG 4 ranges	CV 7.0	3/4, 1, 1-1/4

\*Max inlet and flow rates may change with various material, orifice, body size, and port size selections.

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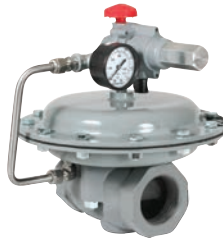
**P98H**

- Back Pressure Regulator/Relief Valve
- Gas, Steam, or Liquid applications



**P63**

- High flow industrial relief valve or backpressure regulator
- Liquid or gas service
- Versatile over large range of pressures due to various BELGAS pilots



**P1808**

- Pilot operated Relief Valve or Back Pressure Regulator
- Straight or Angle Body
- Liquid or Gas service



**P630R**

- Iron or Steel construction
- NACE Construction Available
- Natural Gas and corrosive applications

Model	Use	Max Inlet	Outlet Range	Max Outlet Flow	Port Sizes Inches
<b>P98H</b>	Direct Operated - Back Pressure/Relief in Steam, Liquids, Oil Production, Gas	300 PSIG	5 - 200 PSIG 9 ranges	157,000 SCFH CV 16.60	3/4, 1, 1-1/2, 2 Threaded and Flanged
<b>P63</b>	Back Pressure/Relief - Pilot Operated, Commercial, Municipal, Residential, Plant Air Systems	125 PSIG	3 - 125 PSIG	1,088,000 SCFH	2, 4
<b>P1808</b>	Back Pressure/Relief - Pilot Operated, Gas Distribution, Liquids, Air	150 PSIG	3 - 125 PSIG 3 ranges	258,000 SCFH CV 51.0	2" - Straight, Angle or Flanged
<b>P630R</b>	High Flow Relief - Field Adjustable, Gas, Air	500 PSIG	3 - 250 PSIG 9 ranges	48,000 SCFH CV 12.08	1, 2, Flanged

\*Max inlet and flow rates may change with various material, orifice, body size, and port size selections.

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### F289

- Pilot Operated Throttling-style Back Pressure Regulator
- Low pressure, high flow device



### P289

- Throttling-style back pressure regulator
- Distribution and fuel gas relief applications



### L289

- Throttling-style back pressure regulator for low pressure service
- Lightweight Aluminum body



### P255

- Token or Full Relief Applications
- Brass or Stainless Construction

Model	Use	Max Inlet	Outlet Range	Max Outlet Flow	Port Sizes Inches
F289	Pilot Operated Back Pressure/Relief - Gas Distribution, Air	1" - 100 PSIG 2" - 15 PSIG	14" WC - 100 PSIG 5 ranges	137,000 SCFH CV 17.50	3/4 x 1, 1, 2
P289	Back Pressure/Relief - Gas Distribution, Liquids, Air, Propane Gas	1" - 100 PSIG 2" - 25 PSIG	7" WC - 75 PSIG 9 ranges	120,000 SCFH CV 17.50	3/4 x 1, 1, 2
L289	Back Pressure/Relief - Gas Distribution, Liquids, Air, Propane Gas	25 PSIG	5" WC - 10 PSIG 6 ranges	120,000 SCFH CV 17.50	3/4, 1, 2 All 2" Outlet
P255	Direct Operated - Relief Pop-Off/Reset Valve, Gas Distribution, Air	300 PSIG	50 - 150 PSIG 7 settings	60,000 SCFH CV 5.25	3/4, 1

\*Max inlet and flow rates may change with various material, orifice, body size, and port size selections.

## NOTES

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**P32**

- Aluminum Body/ Bonnet Construction
- Non-Relieving
- NACE Construction available
- UL 144 Listed



**P36**

- Preset Regulator
- Tamper Resistant Cover
- Aluminum Body/Bonnet Construction
- Non-Relieving
- NACE Construction available
- UL 144 Listed



**P37**

- Balanced Pintle Design
- Aluminum Body/ Bonnet Construction
- Non-Relieving
- UL 252 Listed



**P38**

- High Flow Version of P37
- Balanced Pintle Design
- Aluminum Body/ Bonnet Construction
- Non-Relieving
- UL 252 Listed

Model	Use	Max Inlet	Outlet Range	Max Outlet Flow	Port Sizes Inches
P32	Direct Operated - Instrument Supply, Final Stage	250 PSIG	0 based - 120 PSIG 4 ranges	1,200 SCFH CV 0.105	1/4
P36	Direct Operated - Instrument Supply, Final Stage	250 PSIG	0 based - 60 PSIG 3 ranges	1,200 SCFH CV 0.105	1/4
P37	Direct Operated - Instrument Supply, Final Stage	400 PSIG	0 based - 125 PSIG 4 ranges	6,600 SCFH CV 0.443	1/2, 3/4
P38	Direct Operated - Instrument Supply, Final Stage	400 PSIG	0 based - 125 PSIG 4 ranges	15,000 SCFH CV 1.10	3/8, 1/2, 3/4, 1

\* Flow ratings at wide open flow / Methane

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### P39

- Brass, Nickel-Plated Brass or Stainless Steel Construction
- Four-seat valve disk block assembly can be easily rotated to provide a fresh sealing surface
- Non-Relieving



### P40

- Aluminum Body/ Bonnet Construction
- Relieving & Non-Relieving Available
- NACE Construction Available



### P50

- Aluminum Body/ Bonnet Construction
- 40-Micron Filter standard, 5-Micron Available
- Relieving & Non-Relieving Available
- NACE Construction Available



### P52SS

- Stainless Steel Construction
- 40-Micron Filter standard, 5-Micron Available
- Relieving & Non-Relieving Available

Model	Use	Max Inlet	Outlet Range	Max Outlet Flow	Port Sizes Inches
P39	Direct Operate - High Pressure Reducing for Instrument Supply	6,000 PSIG	5 - 500 PSIG 6 ranges	12,000 SCFH CV 0.130	1/4
P40	Direct Operated - Instrument Supply, Final Stage, Self-Relieving	250 PSIG	0 based - 120 PSIG 4 ranges	1,200 SCFH CV 0.105	1/4
P50	Direct Operated - Instrument Supply, Particulate and Condensate Collection	250 PSIG	0 based - 120 PSIG 4 ranges	1,200 SCFH CV 0.105	1/4
P52SS	Direct Operated - Stainless Instrument Supply, Particulate and Condensate Collection	425 PSIG	3 - 150 PSIG 4 ranges	6,300 SCFH CV 0.782	1/4, 3/8, 1/2, 3/4, 1

\* Flow ratings at wide open flow / Methane

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**P70**

- Aluminum Body/ Bonnet Construction
- Relieving & Non-Relieving Available
- NACE Construction Available



**75/P79V**

- Aluminum body and housings
- Bypass valve standard, non-relieving, and high relief options available
- Volume Boosting Applications



**P912**

- Zinc Body/Bonnet



**P289RC**

- Used in fast-acting control valves, and surge/recycle operations

Model	Use	Max Inlet	Outlet Range	Max Outlet Flow	Port Sizes Inches
<b>P70</b>	Direct Operated - Instrument Supply, Final Stage, Self-Relieving	250 PSIG	0 based - 150 PSIG 5 ranges	5,280 SCFH CV 0.462	1/4, 3/8, 1/2
<b>75/P79V</b>	Direct Operated - Relief Pop-Off/Reset Valve, Gas Distribution, Air	75 - 250 PSIG P79V - 400 PSIG	1:1 - 1:6 ratio 4 options	12,000 SCFH CV 0.61	3/8, 1/2, 3/4, 1
<b>P912</b>	Direct Operated - Low Pressure/ Low Flow, Final Stage, Minimal Relief	250 PSIG	3" WC - 5 PSIG 6 ranges	750 SCFH CV 0.087	1/4, 3/8
<b>P289RC</b>	Pilot Operated Back Pressure/Relief - Gas Distribution, Air	125 PSIG	14" WC - 100 PSIG 5 ranges	137,000 SCFH CV 17.50	3/4 x 1, 1

\* Flow ratings at wide open flow / Methane

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### P1367

- Two-stage pressure cut, two filtering elements and three relief concepts
- Vertical or horizontal mounting options
- Filter drain available



### P350

- Stainless (NACE) or Aluminum Construction
- Glass microfiber filter element
- Filter drain available
- 1, 5, 25 or 50 Micron



### T170

- Explosion Proof Motorized Regulator
- DC Stepper Motor with gear driven range screw
- Fine resolution valve control



### T2000

- Explosion Proof I/P, E/P Transducer
- FM/CSA/CE compliance
- 4-20mA, 1-5V, 1-10V Control Signal

Model	Use	Max Inlet	Outlet Range	Max Outlet Flow	Port Sizes Inches
P1367	High to Low Instrument supply train w/relief	4,000 PSIG	20 or 35 PSIG	20 SCFH CV 0.001	1/4
P350	Aluminum or Stainless Particulate Filter	4,000 PSIG	N/A	2,400 SCFH CV 1.0	1/4
T170	Explosion Proof Motorized Regulator	150 PSIG	0.5 - 30 PSIG	40 scfm	1/4, 3/8, 1/2
T2000	Explosion Proof Transducer	140 PSIG	0 - 120 PSIG	21 scfm	1/4

\* Flow ratings at wide open flow / Methane

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**Bel**<sup>flame</sup>**GAS**<sup>TM</sup>

8019 Ohio River Blvd.  
Newell, WV 26050 USA  
800-727-5646



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