

The BelGAS P4100 series a pneumatically operated control valve. It is designed to withstand severely corrosive mediums associated with the oil and gas industry.

- **Simple Maintenance:** Valve trim can be quickly changed without removing the valve from the line. Simply loosen the bolts to lift the bonnet and housing free of the body.
- **Body Pressure Monitoring Tap Options:** The body is designed so the customer can choose which pressure monitoring tap option they prefer. The standard option has the supply side tapped. However, customers can choose to tap the out port side, neither side, or both sides.
- **Signal (Pilot) Port Orientation Option:** Customers can decide which orientation for their signal (pilot) port best suits their needs. This allows for greater accessibility to the signal (pilot) line from any one of four directions.

## Applications

- Low Pressure Separators
- Throttling or Snap Action Services
- Heater-Treater Applications

## Specifications

Inlet Pressure Rating	300 PSIG (Max)
Assembled Valve Temperature Range	-20 to 200 °F (-29 to 93 °C)
Air Pressure to Signal (Pilot)	0 to 30 PSIG recommended



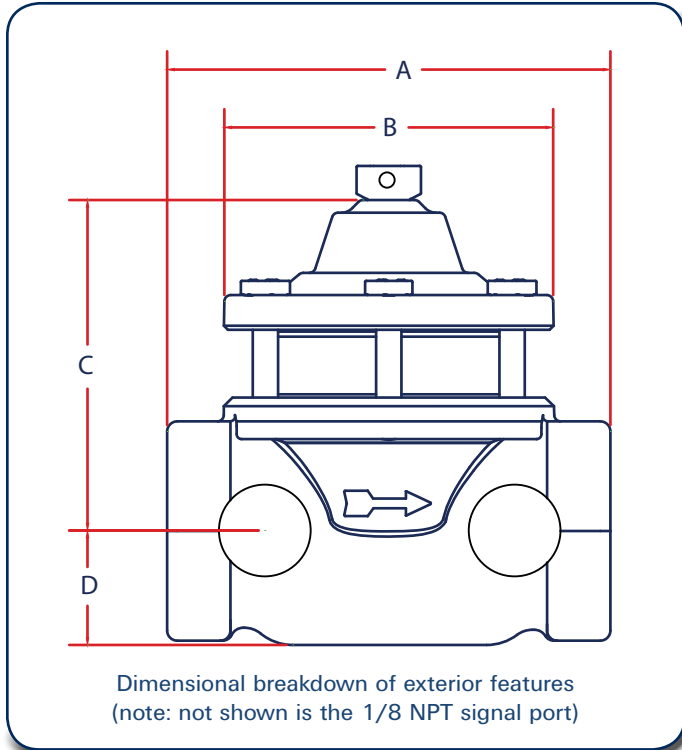
## Materials of Construction

Body	Cast Ductile Iron
Diaphragm	Nitrile
Gaskets	Tealon TF
Housing	Cast Ductile Iron
Main Spring	Stainless Steel
Seat	Polyurethane
Stem	Stainless Steel
Trim / Orifice	Stainless Steel

## P4100 Series Part Matrix (Initial Offering)

<b>P4100</b>	<b>08</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8</b>	
	↑↑		↑		↑			↑	↑
	<b>08</b>								Body Size
									1" NPT
									Body Material
		<b>0</b>							Ductile Iron
									Signal Port Orientation
				<b>G</b>					1 O'clock
				<b>H</b>					5 O'clock
				<b>J</b>					7 O'clock
				<b>K</b>					11 O'clock (Standard)
									Monitoring Body Position
						<b>S</b>			Supply Side Only (Standard)
						<b>U</b>			Untapped
						<b>V</b>			Both Supply and Output
						<b>W</b>			Output Side Only
									Trim Size (Orifice)
								<b>8</b>	0.5"

### P4100 Dimensions



Control Valve Size	Dimension (in.)				Approximate Weight
	A	B	C	D	
1" NPT Ports	4.38	3.25	3.27	1.13	5.00 lbs. (2.27 kg)
	Dimension (mm)				
	111	83	83.5	29	

### P4100 Parts List

Item	Description	Qty.	Part Number
1	Bonnet	1	604-272-000
2	Stem	1	689-019-000
3	Nut	1	634-447-000
4	Diaphragm	1	600-518-000
5	Stem Gasket	1	624-105-000
6	Body	1	624-440-XXX
7	Orifice Gasket	1	624-104-000
8	Orifice	1	688-069-000K
9	Housing Gasket	1	624-103-000
10	Housing	1	629-257-000
11	Lower Plate	1	638-088-000
12	Screws	6	603-011-000
13	Upper Plate	1	637-339-000
14	Spring	1	655-785-000
15	Retaining Ring	1	644-057-000
16	Disc	1	619-071-000
17	Ratio Plug	1	643-225-000
18	Seat	1	650-195-000
19	Back-Up Ring	2	649-340-000
20	O-ring	1	649-000-004
21	Bushing	1	608-087-000
22	Plastic Bag	1	685-000-003
23	Plug	1	673-028-000
24	Breather Plug	1	639-144-000
25	Plug, 1/4 NPT	1	639-099-000
26	1" NPT Cap Plug (Not Shown)	2	610-060-001
27	1/8" NPT CAP PLUG (Not Shown)	1	639-000-003
28	Box (Not Shown)	1	010-319-037
29	Label (Not Shown)	1	150052
30	User Manual	1	541-227-000

### P4100 Parts Drawing

