



# G-Series

## Natural Gas Operated Double Diaphragm Pumps



### Product Details

Natural Gas Operated Pumps are CSA (Canadian Standards Association) certified to ANSI LC6 standard for operation using sweet or sour natural gas. The gas pump utilizes Aluminum or 316 Stainless Steel wetted construction with Nitrile or Virgin PTFE diaphragms and check balls. The gas valve is constructed of Aluminum with Nitrile or FKM (fluorocarbon) elastomers. Pumps are fully groundable, preventing static discharge. A Stainless Steel gas valve option is available on G15 to G30 pumps for more corrosive applications.

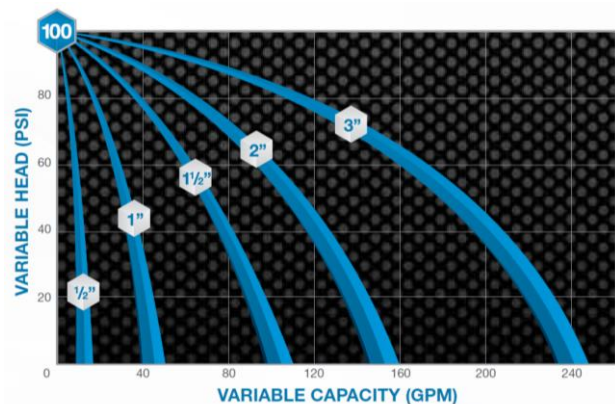
### Highlights

- Safely powered by compressed air or natural gas depending on the application. Dual Power capabilities offers simplified purchasing, maintenance and training while reducing inventory.
- Elastomeric seals are compatible with the various chemicals normally expected to be found in both sweet and sour gas.
- Every pump is leak factory tested to 150 PSI to ensure natural gas emission are properly contained.
- Complies with NACE Standard MR0175/ISO15156 for corrosion resistance.
- Constructed to prevent accumulation of static electric charge and fully groundable to ensure static electricity dissipation (comes standard with attached grounding strap).
- Hydrostatic strength tested pressure to 500 PSI (five times the maximum operating pressure, the highest standard in the industry).
  - Canadian Technical Letter R-14 requires 500 PSI
  - ANSI LC6 requires 400 PSI
  - Hydraulic Institute requires 188 PSI

### SPECIFICATIONS

| Type                                 | G-Series                                    |
|--------------------------------------|---------------------------------------------|
| Type                                 | Pneumatically Operated                      |
| Fluid Suction & Discharge Connection | 1/2 - 3"                                    |
| Maximum Operating Pressure           | 100 PSI (689 kPa)                           |
| Maximum Flow Rate Per Minute         | 15 - 235 Gallons<br>56 - 889 Litres         |
| Maximum Head                         | 231 ft. of water (100 PSI)                  |
| Maximum Displacement Per Stroke      | 0.026 - 0.94 Gallons<br>0.098 - 3.56 Litres |
| Maximum Suction Lift                 | 24 ft. (7 m)                                |
| Maximum Solids Handling              | 0.125 - 0.38"<br>3 - 9.65 mm                |

### Composite Performance Curve:




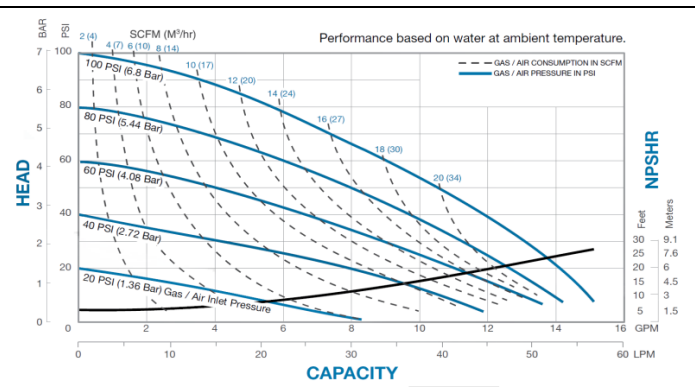
9001-20 Street NW, Edmonton, Alberta, Canada T6P 1K8  
Email: [info@bruinpumps.com](mailto:info@bruinpumps.com)


Phone: 780-430-1777

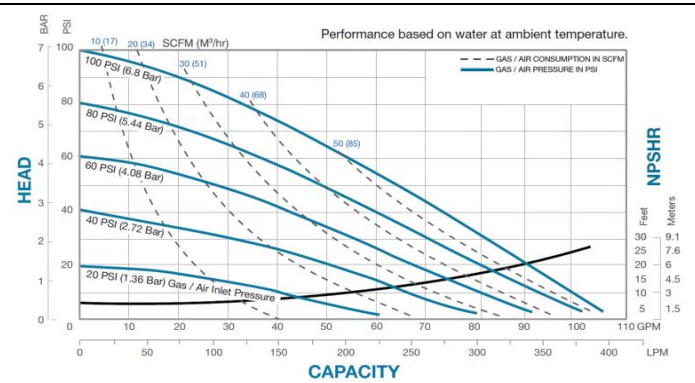
Fax: 780-449-5233


[www.bruinpumps.com](http://www.bruinpumps.com)

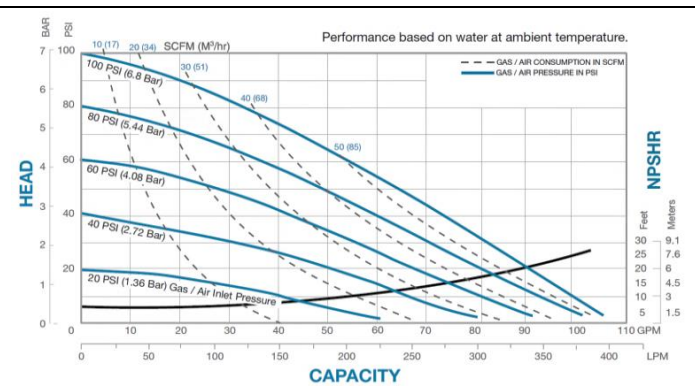
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|-----------------------------------------------------------------------------------|-------------------------------------|-------------------------------|
|  | <b>Volume:</b>                      | 0 – 15 gpm (56 lpm)           |
|                                                                                   | <b>Max Displacement Per Stroke:</b> | 0.026 gal (0.098 L)           |
|                                                                                   | <b>Solids-Handling Length:</b>      | Up to 0.125" (3 mm)<br>10.87" |
|                                                                                   | <b>Width:</b>                       | 6.90"                         |
|                                                                                   | <b>Height:</b>                      | 11.50"                        |
|                                                                                   | <b>Weight:</b>                      |                               |
|                                                                                   | <b>Aluminum</b>                     | 15 lbs (7 kg)                 |
|                                                                                   | <b>Stainless Steel</b>              | 21 lbs (10 kg)                |
| <b>Flow Inlet/Outlet</b>                                                          | 1/2" NPT                            |                               |
| <b>Gas Exhaust</b>                                                                | 3/8" NPT                            |                               |
| <b>Gas Inlet</b>                                                                  | 1/4" NPT                            |                               |




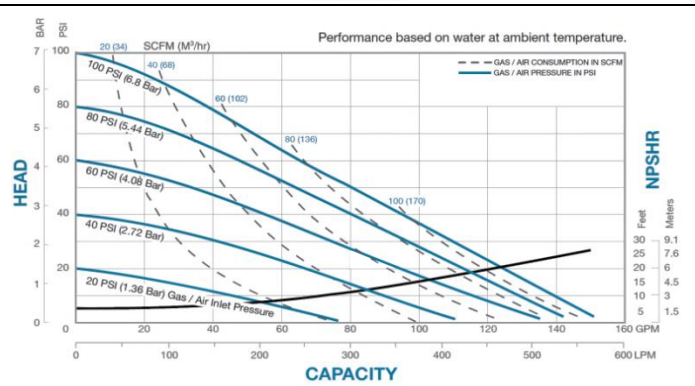
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|-----------------------------------------------------------------------------------|-------------------------------------|------------------------------|
|  | <b>Volume:</b>                      | 0 – 45 gpm (170 lpm)         |
|                                                                                   | <b>Max Displacement Per Stroke:</b> | 0.11 gal (0.42 L)            |
|                                                                                   | <b>Solids-Handling Length:</b>      | Up to 0.25" (6 mm)<br>10.25" |
|                                                                                   | <b>Width:</b>                       | 9.09"                        |
|                                                                                   | <b>Height:</b>                      | 12.88"                       |
|                                                                                   | <b>Weight:</b>                      |                              |
|                                                                                   | <b>Aluminum</b>                     | 28 lbs (13 kg)               |
|                                                                                   | <b>Stainless Steel</b>              | 43 lbs (20 kg)               |
| <b>Flow Inlet/Outlet</b>                                                          | 1" NPT                              |                              |
| <b>Gas Exhaust</b>                                                                | 1" NPT                              |                              |
| <b>Gas Inlet</b>                                                                  | 1/2" NPT                            |                              |




|                                                                                    |                                     |                              |
|------------------------------------------------------------------------------------|-------------------------------------|------------------------------|
|  | <b>Volume:</b>                      | 0 – 106 gpm (401 lpm)        |
|                                                                                    | <b>Max Displacement Per Stroke:</b> | 0.41 gal (1.55 L)            |
|                                                                                    | <b>Solids-Handling Length:</b>      | Up to 0.25" (6 mm)<br>16.65" |
|                                                                                    | <b>Width:</b>                       | 11.19"                       |
|                                                                                    | <b>Height:</b>                      | 22.13"                       |
|                                                                                    | <b>Weight:</b>                      |                              |
|                                                                                    | <b>Aluminum</b>                     | 53 lbs (24 kg)               |
|                                                                                    | <b>Stainless Steel</b>              | 95 lbs (43 kg)               |
| <b>Flow Inlet/Outlet</b>                                                           | 1 1/2" NPT                          |                              |
| <b>Gas Exhaust</b>                                                                 | 1" NPT                              |                              |
| <b>Gas Inlet</b>                                                                   | 3/4" NPT                            |                              |



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|-------------------------------------------------------------------------------------|-------------------------------------|------------------------------|
|  | <b>Volume:</b>                      | 0 – 150 gpm (567 lpm)        |
|                                                                                     | <b>Max Displacement Per Stroke:</b> | 0.42 gal (1.59 L)            |
|                                                                                     | <b>Solids-Handling Length:</b>      | Up to 0.25" (6 mm)<br>16.88" |
|                                                                                     | <b>Width:</b>                       | 11.63"                       |
|                                                                                     | <b>Height:</b>                      | 26.47"                       |
|                                                                                     | <b>Weight:</b>                      |                              |
|                                                                                     | <b>Aluminum</b>                     | 69 lbs (31 kg)               |
|                                                                                     | <b>Stainless Steel</b>              | 114 lbs (52 kg)              |
| <b>Flow Inlet/Outlet</b>                                                            | 2" NPT                              |                              |
| <b>Gas Exhaust</b>                                                                  | 1" NPT                              |                              |
| <b>Gas Inlet</b>                                                                    | 3/4" NPT                            |                              |



|                                                                                     |                                     |                                 |
|-------------------------------------------------------------------------------------|-------------------------------------|---------------------------------|
|  | <b>Volume:</b>                      | 0 – 235 gpm (889 lpm)           |
|                                                                                     | <b>Max Displacement Per Stroke:</b> | 0.94 gal (3.56 L)               |
|                                                                                     | <b>Solids-Handling Length:</b>      | Up to 0.38" (9.65 mm)<br>19.66" |
|                                                                                     | <b>Width:</b>                       | 15.75"                          |
|                                                                                     | <b>Height:</b>                      | 32.28"                          |
|                                                                                     | <b>Weight:</b>                      |                                 |
|                                                                                     | <b>Aluminum</b>                     | 116 lbs (53 kg)                 |
|                                                                                     | <b>Stainless Steel</b>              | 194 lbs (87 kg)                 |
| <b>Flow Inlet/Outlet</b>                                                            | 3" NPT                              |                                 |
| <b>Gas Exhaust</b>                                                                  | 1" NPT                              |                                 |
| <b>Gas Inlet</b>                                                                    | 3/4" NPT                            |                                 |

