



Air-controlled, pilot-operated pressure reducing/relieving valves use compressed air over a diaphragm instead of an adjustable spring to control the setting. These valves reduce a high primary pressure at the inlet (port 2) to a constant reduced pressure at port 1, with a full-flow relief function from port 1 to tank (port 3). The air signal is supplied through a port in the hex-end of the cartridge and the hydraulic setting is directly proportional to the air setting at a ratio of 20:1 (hydraulic:air).

**TECHNICAL DATA**

NOTE: DATA MAY VARY BY CONFIGURATION. SEE CONFIGURATION SECTION.

|                            |                         |
|----------------------------|-------------------------|
| Pilot Ratio                | 20:1                    |
| Maximum Operating Pressure | 140 bar                 |
| Control Pilot Flow         | 0,25 - 0,33 L/min.      |
| Maximum Air Pressure       | 10,5 bar                |
| Locknut Hex Size           | 15 mm                   |
| Locknut Torque             | 9 - 10 Nm               |
| Seal kit - Cartridge       | Buna: 990017007         |
| Seal kit - Cartridge       | Polyurethane: 990017002 |
| Seal kit - Cartridge       | Viton: 990017006        |

**CONFIGURATION OPTIONS**

**Model Code Example: PPHCBBN**

|                                      |            |  |            |                      |            |
|--------------------------------------|------------|--|------------|----------------------|------------|
| <b>CONTROL</b>                       | <b>(B)</b> | <b>OPERATING RANGE</b>                 | <b>(B)</b> | <b>SEAL MATERIAL</b> | <b>(N)</b> |
| <b>B</b> External 4- <b>SAE</b> Port |            | <b>B</b> 50 - 1500 psi (3,5 - 105 bar) |            | <b>N</b> Buna-N      |            |
|                                      |            |  |            | <b>V</b> Viton       |            |