



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 | 0,16 - 0,25 L/min. |
| Maximum Air Pressure | 10,5 bar |
| Locknut Hex Size | 15 mm |
| Locknut Torque | 9 - 10 Nm |
| Seal kit - Cartridge | Buna: 990202007 |
| Seal kit - Cartridge | Polyurethane: 990002002 |
| Seal kit - Cartridge | Viton: 990202006 |

CONFIGURATION OPTIONS

Model Code Example: PPFCABN

| CONTROL | (A) | OPERATING RANGE | (B) | SEAL MATERIAL | (N) |
|--------------------------|-----|---------------------------------|-----|---------------------|-----|
| A External 1/4 NPTF Port | | B 50 - 1500 psi (3,5 - 105 bar) | | N Buna-N V Viton | |