



The accumulator sense, pump unload pilot valve is used to sense pressure in an accumulator at port 1 of the valve and when the pressure at port 1 reaches the valve setting, port 2 connects to port 3 to vent a relief valve and unload the pump. This valve has a 20% ratio between unload setting and reset; when pressure at port 1 falls below 80% of the valve setting, port 2 is blocked from port 3 and the pump will come back online to recharge the accumulator. This valve requires a separate check valve between port 1 and the pump. Another version of the accumulator sense, pump unload valve, QCDB, includes a free-flow check valve for pump flows under 12 gpm (50 L/min).

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

Maximum Operating Pressure	5000 psi
Pilot Flow Capacity	46 in ³ /min.
Adjustment - No. of CW Turns from Min. to Max. setting	5
Locknut Hex Size	9/16 in.
Locknut Torque	80 - 90 lbf in.
Seal kit - Cartridge	Buna: 990-011-007
Seal kit - Cartridge	Polyurethane: 990-011-002
Seal kit - Cartridge	Viton: 990-011-006

CONFIGURATION OPTIONS

Model Code Example: QPABLAN

- CONTROL (L)**
- L** Standard Screw Adjustment
 - C** Tamper Resistant - Factory Set
 - K** Handknob

- ADJUSTMENT RANGE (A)**
- A** 1000 - 3000 psi (70 - 210 bar), 1000 psi (70 bar) Standard Setting

- SEAL MATERIAL (N)**
- N** Buna-N
 - V** Viton

- MATERIAL/COATING**
- Standard Material/Coating**
 - /LH** Mild Steel, Zinc-Nickel