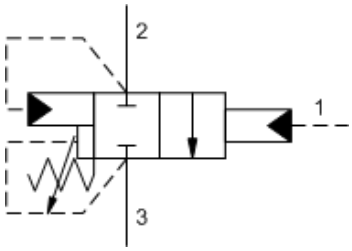
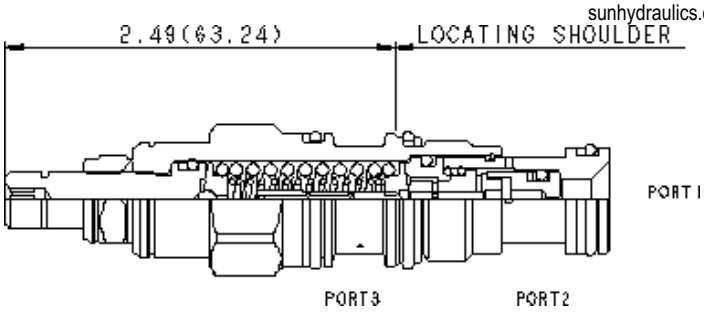
MODEL
QPAA

15%, accumulator sense, pump unload valve - pilot capacity
SERIES 1 / CAPACITY: 46 in³/min. / CAVITY: T-11A

sunhydraulics.com/model/QPAA





CONFIGURATION

L	Control	Standard Screw Adjustment
C	Adjustment Range	2000 - 5000 psi (140 - 350 bar), 2000 psi (140 bar) Standard Setting
N	Seal Material	Buna-N

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 15% ratio between unload setting and reset; when pressure at port 1 falls below 85% 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, QCDA, 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 in³/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: 990011007
Seal kit - Cartridge	Polyurethane: 990011002
Seal kit - Cartridge	Viton: 990011006

CONFIGURATION OPTIONS

Model Code Example: QPAALCN

CONTROL (L)

- **L** Standard Screw Adjustment
- **C** Tamper Resistant - Factory Set

ADJUSTMENT RANGE (C)

- **C** 2000 - 5000 psi (140 - 350 bar), 2000 psi (140 bar) Standard Setting
- **A** 1000 - 3000 psi (70 - 210 bar), 1000 psi (70 bar) Standard Setting
- **B** 500 - 1500 psi (35 - 105 bar), 500 psi (35 bar) Standard Setting
- **D** 250 - 800 psi (18 - 55 bar), 250 psi (18 bar) Standard Setting

SEAL MATERIAL (N)

- **N** Buna-N
- **V** Viton

© 2019 Sun Hydraulics