

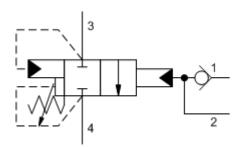
MODEL QCDB

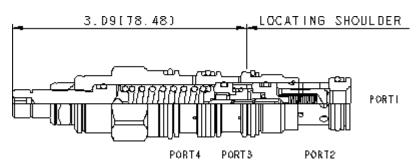
20%, accumulator sense, pump unload valve with check - pilot capacity

CAPACITY: 15 gpm / CAVITY: T-21A



sunhydraulics.com/model/QCDB





The accumulator sense, pump unload pilot valve is used to sense pressure in an accumulator at port 2 of the valve and when the pressure at port 2 reaches the valve setting, port 3 connects to port 4 to vent a relief valve and unload the pump. This valve has a 20% ratio between unload setting and reset; when pressure at port 2 falls below 80% of the valve setting, port 3 is blocked from port 4 and the pump will come back online to recharge the accumulator. The integral free-flow check valve is suitable for pump flows up to 15 gpm (60 L/min). For higher capacity pumps, another version of accumulator sense, pump unload cartridge, QPAB, which requires a separate check cartridge is available.

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

Maximum Operating Pressure	5000 psi
Check Cracking Pressure	4 psi
Pilot Flow Capacity	46 in³/min.
Pressure Drop, Port 1 to Port 2	100 psi@15 gpm
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: 990-021-007
Seal kit - Cartridge	Polyurethane: 990-021-002
Seal kit - Cartridge	Viton: 990-021-006

CONFIGURATION OPTIONS

CONTROL (L)

Model Code Example: QCDBLAN

ADJUSTMENT RANGE

(A) SEAL MATERIAL

(N) M

MATERIAL/COATING

Standard Material/Coating

L Standard Screw Adjustment

C Tamper Resistant - Factory Set

K Handknob

1000 - 3000 psi (70 - 210 bar), 1000 psi (70 bar) Standard Setting

N Buna-N V Viton

/AP Stainless Steel, Passivated/LH Mild Steel, Zinc-Nickel

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