



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 15% ratio between unload setting and reset; when pressure at port 2 falls below 85% 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, QPAA, which requires a separate check cartridge is available.

TECHNICAL DATA

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

Maximum Operating Pressure	350 bar
Check Cracking Pressure	0,3 bar
Pressure Drop, Port 1 to Port 2	7 bar@60 L/min.
Pilot Flow Capacity	0,75 L/min.
Adjustment - No. of CW Turns from Min. to Max. setting	5
Locknut Hex Size	15 mm
Locknut Torque	9 - 10 Nm
Seal kit - Cartridge	Buna: 990021007
Seal kit - Cartridge	Polyurethane: 990021002
Seal kit - Cartridge	Viton: 990021006

CONFIGURATION OPTIONS

Model Code Example: QCDALAN

CONTROL	(L) ADJUSTMENT RANGE	(A) SEAL MATERIAL	(N) MATERIAL/COATING
L Standard Screw Adjustment	A 1000 - 3000 psi (70 - 210 bar), 1000 psi (70 bar) Standard Setting	N Buna-N	Standard Material/Coating
C Tamper Resistant - Factory Set	B 500 - 1500 psi (35 - 105 bar), 500 psi (35 bar) Standard Setting	V Viton	/AP Stainless Steel, Passivated
	C 2000 - 5000 psi (140 - 350 bar), 2000 psi (140 bar) Standard Setting		
	D 250 - 800 psi (18 - 55 bar), 250 psi (18 bar) Standard Setting		