



This valve assembly is meant to charge an accumulator using a fixed displacement pump. When the pressure reaches the set point of the valve, the pump is unloaded. When the pressure drops to the value determined by the fixed percentage of the pilot valve, the pump is brought back on line to recharge the accumulator. The ventable relief serves a dual purpose as a main stage to unload the pump and as a system over-pressure relief.

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

Body Type	Line mount
Mounting Hole Diameter	.41 in.
Mounting Hole Depth	Through
Mounting Hole Quantity	2

- NOTES:**
- Assembly overall dimensions and mounting hole specifications will vary based on the configuration.
  - For detailed information regarding the cartridges contained in this assembly, click on the models codes shown in the Included Components tab.
  - **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

**CONFIGURATION OPTIONS**

Model Code Example: XQCELANBK

CONTROL	(L) ADJUSTMENT RANGE	(A) SEAL MATERIAL	(N)
L Standard Screw Adjustment	A 1000 - 3000 psi (70 - 210 bar), 1000 psi (70 bar) Standard Setting	N Buna-N	
C Tamper Resistant - Factory Set		V Viton	

**PRIMARY CARTRIDGE (B)**

B	20% (with QPAB primary cartridge, 20%, accumulator sense, pump unload valve - pilot capacity)
D	50% (with QPAD primary cartridge, 50%, accumulator sense, pump unload valve - pilot capacity)
C	30% (with QPAC primary cartridge, 30%, accumulator sense, pump unload valve - pilot capacity)
A	15% (with QPAA primary cartridge, 15%, accumulator sense, pump unload valve - pilot capacity)

**INCLUDED COMPONENTS**

Part	Description	Quantity
CXDAXCN	Cartridge	1
QPABLAN	Cartridge - Primary	1
RVCFXAN	Cartridge	1