



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. The assembly has an additional feature; a simple circuit that softens the unloading of the pump.

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

Body Type	Line mount
Mounting Hole Quantity	2

- NOTES:**
- **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.
 - For detailed information regarding the cartridges contained in this assembly, click on the models codes shown in the Included Components tab.

CONFIGURATION OPTIONS

Model Code Example: XQCFLANBK

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	
K Handknob			

PRIMARY CARTRIDGE

(B)

B 20% (with QCDB primary cartridge, 20%, accumulator sense, pump unload valve with check - pilot capacity)
D 50% (with QCDD primary cartridge, 50%, accumulator sense, pump unload valve with check - pilot capacity)
C 30% (with QCDC primary cartridge, 30%, accumulator sense, pump unload valve with check - pilot capacity)
A 15% (with QCDA primary cartridge, 15%, accumulator sense, pump unload valve with check - pilot capacity)

INCLUDED COMPONENTS

Part	Description	Quantity
A330-006-006*	SAE Plug	1
A330-006-012*	SAE Plug	1
LPBDXDN	Cartridge	1
QCDBLAN	Cartridge - Primary	1
RVCFXAN	Cartridge	1