

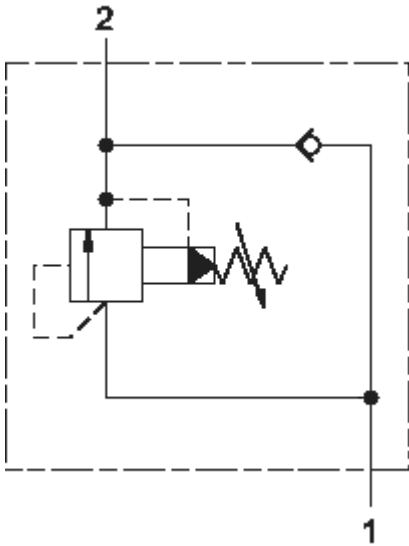


sunhydraulics.com/model/YCDC

This assembly consists of a 30 PSI check and a pilot-operated, balanced-piston relief cartridge which is a normally closed pressure regulating valve. When the pressure at the inlet (P port) reaches the valve setting, the valve starts to open to tank (T port), throttling flow to regulate the pressure. These valves are accurate, have low pressure rise vs. flow, they are smooth and quiet, and are moderately fast. This assembly also incorporates an air-bleed and start-up cartridge which is used to purge air trapped in the system to help reduce power requirements and facilitate pump priming during the start-up of blocked center circuits.

TECHNICAL DATA

Body Type	Line mount
Mounting Hole Diameter	.28 in.
Mounting Hole Depth	Through
Mounting Hole Quantity	2



CONFIGURATION

NOTES:

L Control	Standard Screw Adjustment
A Adjustment Range	100 - 3000 psi (7 - 210 bar), 1000 psi (70 bar) Standard Setting
N Seal Material	Buna-N
Range Letter(s) of A Subordinate Cartridge	4 psi (0,3 bar) (with RPEC primary cartridge, Pilot-operated, balanced piston relief valve)
Port and Material Designation	

- **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: YCDCLANA

CONTROL	(L) ADJUSTMENT RANGE	(A) SEAL MATERIAL	(N)
L Standard Screw Adjustment	A 100 - 3000 psi (7 - 210 bar), 1000 psi (70 bar) Standard Setting	N Buna-N	V Viton

PRIMARY CARTRIDGE

(A)

A	4 psi (0,3 bar) (with RPEC primary cartridge, Pilot-operated, balanced piston relief valve)
B	15 psi (1 bar) (with RPEC primary cartridge, Pilot-operated, balanced piston relief valve)
C	30 psi (2 bar) (with RPEC primary cartridge, Pilot-operated, balanced piston relief valve)
D	50 psi (3,5 bar) (with RPEC primary cartridge, Pilot-operated, balanced piston relief valve)
E	75 psi (5 bar) (with RPEC primary cartridge, Pilot-operated, balanced piston relief valve)
F	100 psi (7 bar) (with RPEC primary cartridge, Pilot-operated, balanced piston relief valve)
Z	1 psi (0,07 bar) (with RPEC primary cartridge, Pilot-operated, balanced piston relief valve)
Z	1 psi (0,07 bar) (with RPEC8 primary cartridge, Pilot-operated, balanced piston relief main stage with integral T-8A control cavity)
F	100 psi (7 bar) (with RPEC8 primary cartridge, Pilot-operated, balanced piston relief main stage with integral T-8A control cavity)
E	75 psi (5 bar) (with RPEC8 primary cartridge, Pilot-operated, balanced piston relief main stage with integral T-8A control cavity)
D	50 psi (3,5 bar) (with RPEC8 primary cartridge, Pilot-operated, balanced piston relief main stage with integral T-8A control cavity)
C	30 psi (2 bar) (with RPEC8 primary cartridge, Pilot-operated, balanced piston relief main stage with integral T-8A control cavity)
B	15 psi (1 bar) (with RPEC8 primary cartridge, Pilot-operated, balanced piston relief main stage with integral T-8A control cavity)
A	4 psi (0,3 bar) (with RPEC8 primary cartridge, Pilot-operated, balanced piston relief main stage with integral T-8A control cavity)