



CONFIGURATION

L Control	Standard Screw Adjustment
H Functional Setting Range	1000 - 4000 psi w/25 psi Check (70 - 280 bar w/ 1,7 bar Check), 3000 psi (210 bar) Standard Setting
N Seal Material	Buna-N
A Primary Cartridge	A (with CBCA primary cartridge, 3:1 pilot ratio, standard capacity counterbalance valve)
Port and Material Designation	

The pressure sensitive regenerative valve assembly allows a double-acting, single rod cylinder to be extended more rapidly using the same pump flow. To achieve this, oil from the rod end of the cylinder (CR) is added to the pump flow (VH) to the blind end (CH), increasing the rate of extension. It incorporates a pressure adjustable, counterbalance valve that provides a smooth transition when the load is engaged and pressure in the blind end rises to approximately 25% of the set point of the counterbalance valve, at which time the regenerative flow decreases smoothly until rod end flow is

fully diverted to tank (VR). Full pump pressure is then applied to the blind end area developing maximum force. This version includes a pilot-to-open check valve to prevent the load from retracting the cylinder.

TECHNICAL DATA

Body Type	Line mount
Mounting Hole Diameter	.34 in.
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: YDCDLHNA

CONTROL	(L)	FUNCTIONAL SETTING RANGE	(H)	SEAL MATERIAL	(N)	
L		Standard Screw Adjustment	H	1000 - 4000 psi w/25 psi Check (70 - 280 bar w/ 1,7 bar Check), 3000 psi (210 bar) Standard Setting	N	Buna-N
			A	1000 - 4000 psi w/4 psi Check (70 - 280 bar w/ 0,3 bar Check), 3000 psi (210 bar) Standard Setting	V	Viton
			B	400 - 1500 psi w/4 psi Check (28 - 105 bar w/ 0,3 bar Check), 1000 psi (70 bar) Standard Setting		
			I	400 - 1500 psi w/25 psi Check (28 - 105 bar w/ 1,7 bar Check), 1000 psi (70 bar) Standard Setting		

PRIMARY CARTRIDGE

(A)

A	A (with CBCA primary cartridge, 3:1 pilot ratio, standard capacity counterbalance valve)
A	A (with CBCAX primary cartridge, Fixed setting, 3:1 pilot ratio, standard capacity counterbalance valve)