



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 is added to the pump flow to the blind end, 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. Full pump pressure is then applied to the blind end area developing maximum force.

TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 05
Seal Plate Included (see notes)	No
Stack Height	1.94 in.

CONFIGURATION

NOTES:

L Control	Standard Screw Adjustment
I Functional Setting Range	400 - 1500 psi w/25 psi Check (28 - 105 bar w/ 1,7 bar Check), 1000 psi (70 bar) Standard Setting
N Seal Material	Buna-N
B Primary Cartridge	B (with CBEJ primary cartridge, 3:1 pilot ratio, standard capacity counterbalance valve)
A Port and Material Designation	A Aluminum

- Seal retainer plate is not required for this assembly.
- 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: YDEELINBA

CONTROL	(L) FUNCTIONAL SETTING RANGE	(I) SEAL MATERIAL	(N)
L Standard Screw Adjustment	I 400 - 1500 psi w/25 psi Check (28 - 105 bar w/ 1,7 bar Check), 1000 psi (70 bar) Standard Setting	N Buna-N	
C Tamper Resistant - Factory Set	H 1000 - 4000 psi w/25 psi Check (70 - 280 bar w/ 1,7 bar Check), 3000 psi (210 bar) Standard Setting	V Viton	

PRIMARY CARTRIDGE

(B)

B	B (with CBEJ primary cartridge, 3:1 pilot ratio, standard capacity counterbalance valve)
B	B (with CBEJX primary cartridge,)

INCLUDED COMPONENTS

Part	Description	Quantity
340-001*	Pipe Plug	2
500-001-014*	O-Ring	5
CBEJLIN	Cartridge - Primary	1
COFAXEN	Cartridge	1