

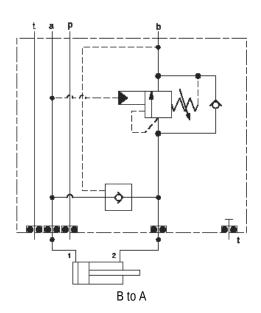


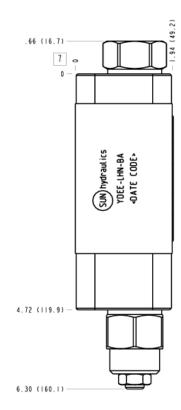
Pressure sensitive regenerative assembly

**CAPACITY: 30 gpm** 



sunhydraulics.com/model/YDEE





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

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

## **NOTES:** • 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.

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Setting

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**CONFIGURATION OPTIONS** 

Model Code Example: YDEELHNBA

CONTROL (L) FUNCTIONAL SETTING RANGE (H) SEAL MATERIAL (N)

| L | Standard Screw Adjustment      |
|---|--------------------------------|
| С | Tamper Resistant - Factory Set |

| Н | 1000 - 4000 psi w/25 psi Check (70 - 280 bar<br>w/ 1,7 bar Check), 3000 psi (210 bar)<br>Standard Setting |
|---|---|
| Α | 1000 - 4000 psi w/4 psi Check (70 - 280 bar<br>w/ 0,3 bar Check), 3000 psi (210 bar)<br>Standard Setting  |
| В | 400 - 1500 psi w/4 psi Check (28 - 105 bar w/<br>0,3 bar Check), 1000 psi (70 bar) Standard<br>Setting    |
| 1 | 400 - 1500 psi w/25 psi Check (28 - 105 bar   |

|   | = aa. |
|---|-------|
| V | Viton |
|   |       |
|   |       |
|   |       |
|   |       |
|   |       |

PRIMARY CARTRIDGE (B)

w/ 1,7 bar Check), 1000 psi (70 bar) Standard

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        |
| CBEJLHN      | Cartridge - Primary | 1        |
| COFAXEN      | Cartridge           | 1        |

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