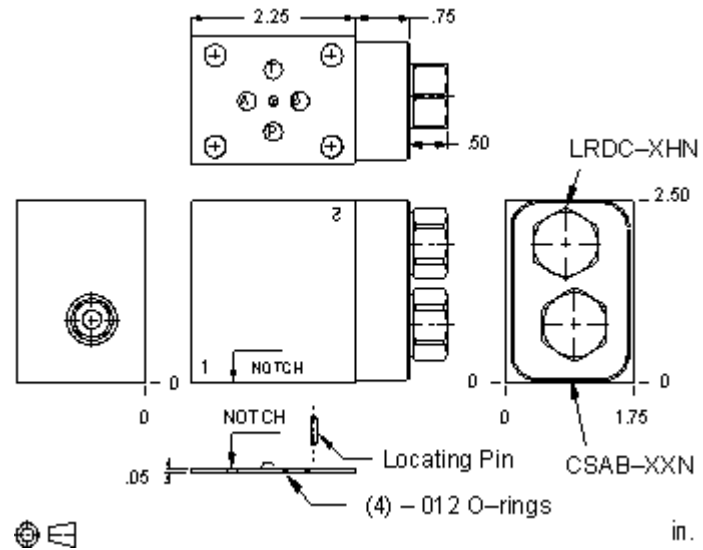


Bypass pressure compensator



This valve assembly consists of a normally-closed bypass style compensator on the P port and a shuttle that senses pressure from the higher of the 2 work ports. Its purpose is to provide a relatively constant pressure drop across the directional valve thus isolating the directional valve spool from high flow forces. This is accomplished by bypassing the excess oil to the T port. The constant drop creates a pressure compensated flow control out of the directional valve.

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

Body Type	Sandwich
Interface	ISO 03
Capacity	15 gpm
Body Features	Meter in P
Seal Plate Included (see notes)	Yes
Stack Height	2.55 in.

- NOTES:**
- Stack height value in technical data table includes seal retainer plate.
  - 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.

## OPTION SELECTION EXAMPLE: YFCKXCHCNAA

CONTROL (X)	DIFFERENTIAL PRESSURE (C)	DIFFERENTIAL PRESSURE (C)	SEAL MATERIAL (N)	SEAL MATERIAL (N)	CONTROL LETTER(S) OF SUBORDINATE CARTRIDGE (A)	MATERIAL DESIGNATION (A)
X Not Adjustable	C 30 psi (2 bar)	C 30 psi (2 bar)	N Buna-N	N Buna-N	A A (with LRDC primary cartridge, Normally closed, modulating element)	A A Aluminum
	D 50 psi (3,5 bar)	D 50 psi (3,5 bar)	V Viton	V Viton	A A (with LRDC primary cartridge, Normally closed, modulating element)	A/S A/S Iron
	F 100 psi (7 bar)	E 75 psi (5 bar)				
	H 200 psi (14 bar)	F 100 psi (7 bar)				

### TECHNICAL FEATURES

- This assembly is meant to be used in a single station circuit with a fixed displacement pump.
- The pressure differential across the orifice (directional valve) varies with bypass flow and system pressure. It is at its lowest at zero bypass flow and increases with increasing bypass flow and system pressure.
- Another term for this assembly is a hydrostat.