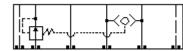


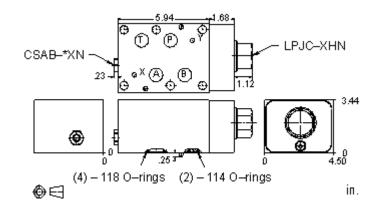
Restrictive pressure compensator assembly CAPACITY: 80 gpm



sunhydraulics.com/model/YFIA



Restrictive pressure compensator



This valve assembly consists of a normally-open restrictive 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 throttling the supply into the P 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 08
Capacity	80 gpm
Body Features	Meter in P
Operating Characteristic	Restrictive
Seal Plate Included (see notes)	No
Stack Height	3.44 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.

OPTION SELECTION EXAMPLE: YFIAXHNCA

CONTR	IOL (X) DIFFEF	RENTIAL PRESSURE	(H)	SEAL I	MATERIAL	(N)
Х	Not Adjustable	Н	200 psi (14 bar)		Ν	Buna-N	
L	Tuning Adjustment	D	50 psi (3,5 bar)		V	Viton	
Р	External 1/4 NPTF Pilot Port, Port 3 Blocked	F	100 psi (7 bar)				
		G	150 psi (10,5 bar)				
PRIMA	RY CARTRIDGE						(C)
С	C (with LPJC primary cartridge, Normally open,	modulatin	q element)				

INCLUDED COMPONENTS

Part	Description	Quantity
500-001-114*	O-Ring	2
500-001-121*	O-Ring	4
811-001-002*	Locating Pin	1
A330-006-004*	SAE Plug	1
CSABXXN	Cartridge	1
LPJCXHN	Cartridge - Primary	1

TECHNICAL FEATURES

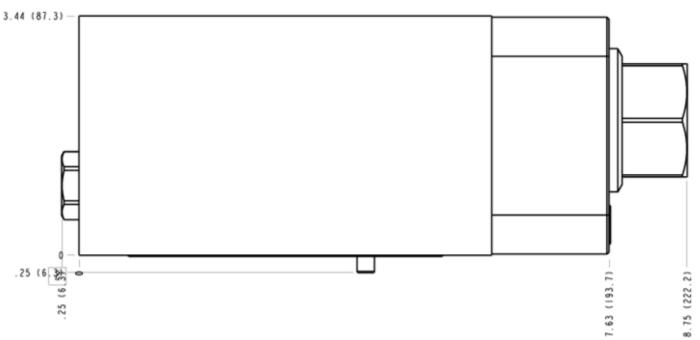
- This assembly is normally used in a multi-station load-sense system or with a pressure compensated pump.
- The pressure differential across the orifice (directional valve) varies with flow and system pressure. It is at its highest at zero flow and drops with increasing flow.
- Another term for this assembly is a hydrostat.

MANIFOLD FACES

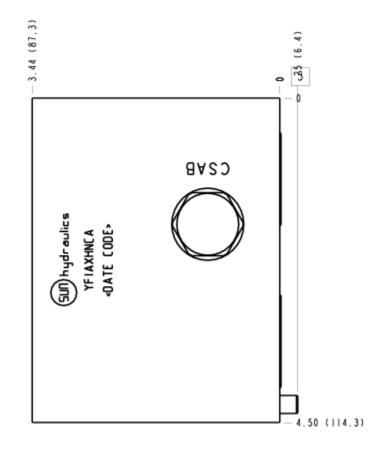
1	2	3	4
5	6	7	8

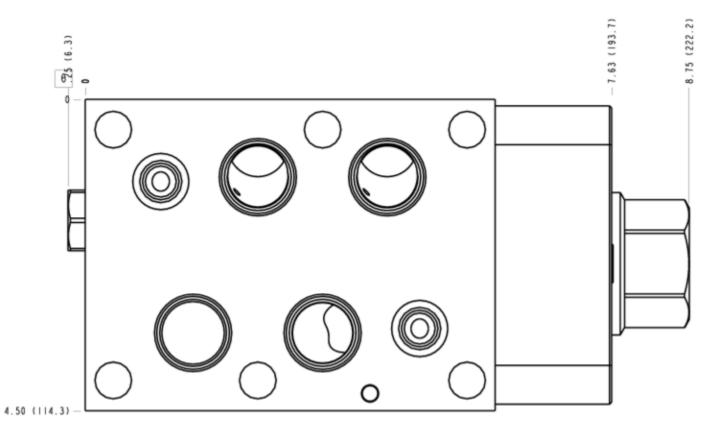
FACE GRID





FACE 5





FACE 7

