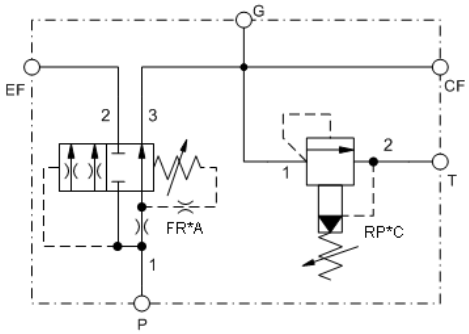
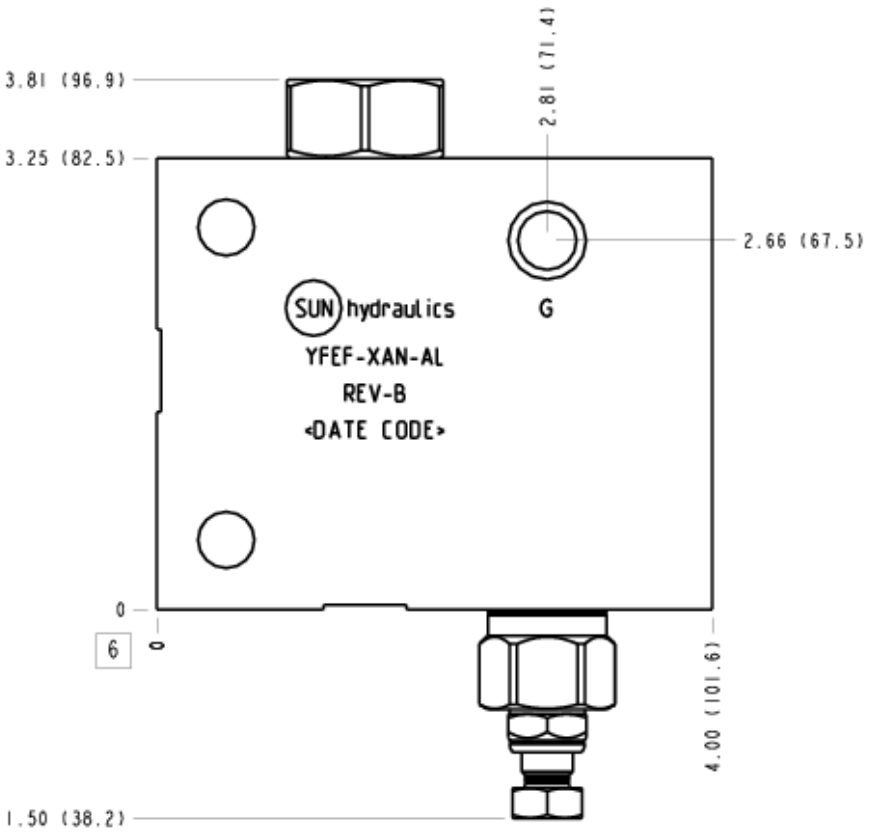
MODEL
YFEF

Fixed-orifice, bypass/restrictive, priority flow control with relief assembly
CAPACITY: 30 gpm

sunhydraulics.com/model/YFEF





This assembly consists of a bypass/restrictive, fixed-orifice, priority flow control which takes an input flow at port P and uses it to satisfy the priority flow at port CF. If the input flow exceeds the priority flow requirement, the excess is bypassed out port EF. The bypass flow may be used in a secondary circuit. The relief valve protects the controlled flow from over-pressurization, relieving excess flow out of port T.

TECHNICAL DATA

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

Body Type	Line mount
Capacity	30 gpm
Control Flow Range	0 - 12 gpm
Mounting Hole Diameter	.41 in.
Mounting Hole Depth	Through
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.

OPTION SELECTION EXAMPLE: YFEFXANAL

CONTROL	(X)
X	Not Adjustable
C	Tamper Resistant - Factory Set
K	Handknob
L	Tuning Adjustment

SETTING RANGE	(A)
A	Replaceable Orifice .1 - 12 gpm (0,4 - 45 L/min.)
B	Permanent Orifice .1 - 12 gpm (0,4 - 45 L/min.)
I	Incomplete (no orifice) 17 gpm (64 L/min.)

SEAL MATERIAL	(N)
N	Buna-N
V	Viton

PRIMARY CARTRIDGE	(A)
A	A (with FRDA primary cartridge, Fixed-orifice, bypass/restrictive, priority, flow control valve)

INCLUDED COMPONENTS

Part	Description	Quantity
FRDAXAN	Cartridge - Primary	1
RPECFAN	Cartridge	1

TECHNICAL FEATURES

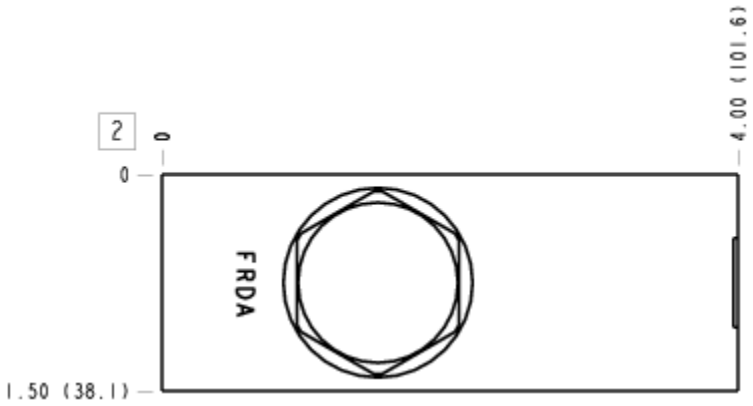
- The sharp-edged orifice design minimizes flow variations due to viscosity changes.
- The tuneable control option provides +/- 25% variation from the nominal factory pre-set flow. Turn the adjustment clockwise to increase.
- Both priority and bypass flow are usable up to the system operating pressure.
- Bypass flow is not available until priority flow requirements are satisfied.
- Pressure at the bypass port (port EF) may exceed pressure at the priority port (port CF).
- Maximum pressure at the priority port should be limited to 3000 psi (210 bar).
- Relief model RPEC is adjustable within 100 to 3000 psi (7 - 210 bar) with a factory setting of 1000 psi (70 bar).

MANIFOLD FACES

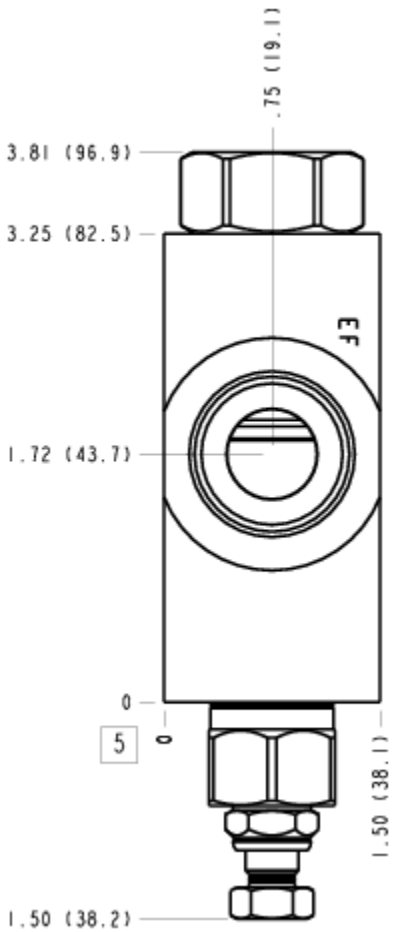
FACE GRID

1	2	3	4
5	6	7	8
9	10	11	12

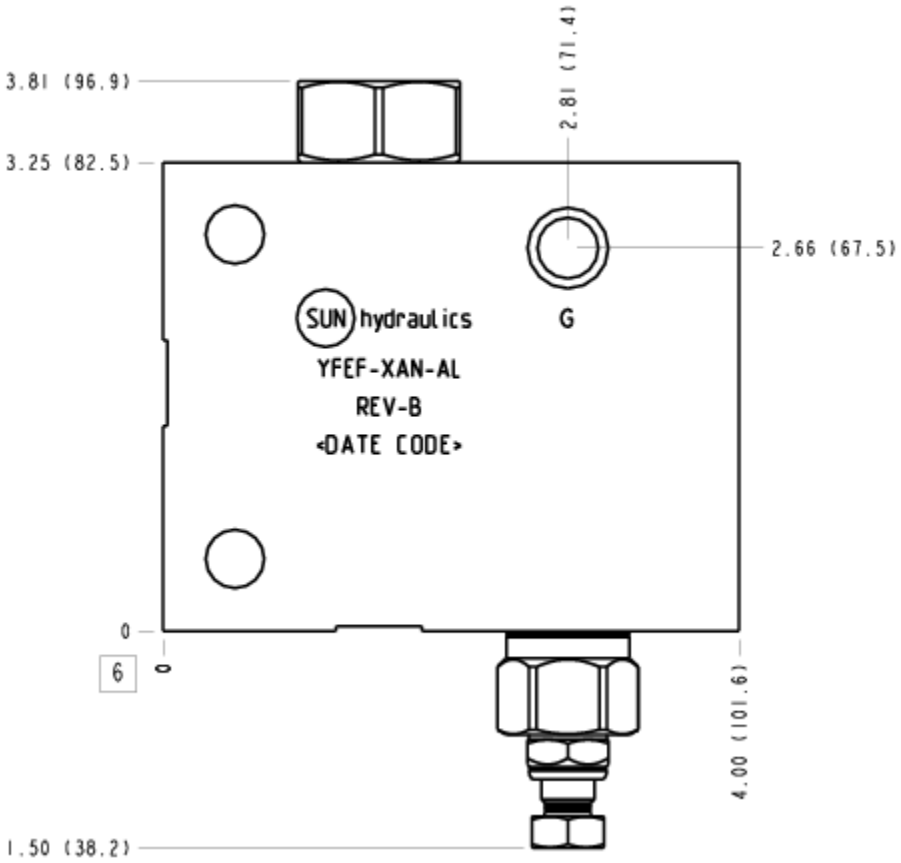
FACE 2



FACE 5



FACE 6


3.81 (96.9)
3.25 (82.5)
2.81 (71.4)
2.66 (67.5)
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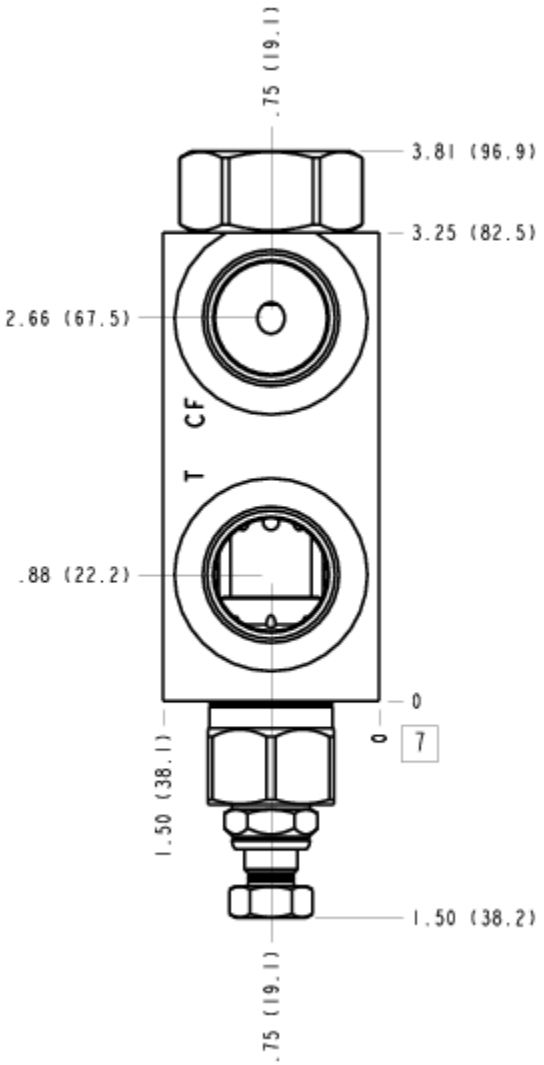
FACE 7



FACE 10