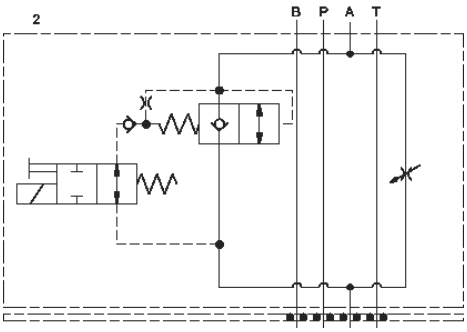
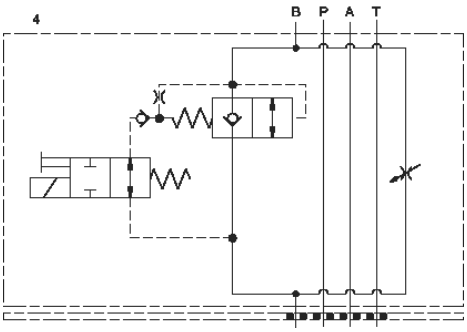


Meter in A Normally Open



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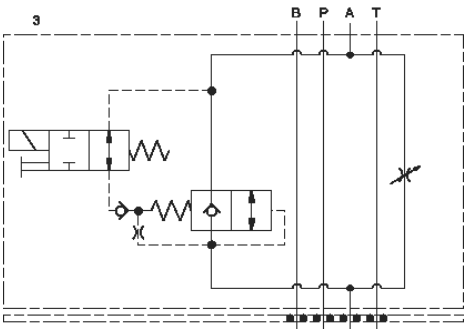
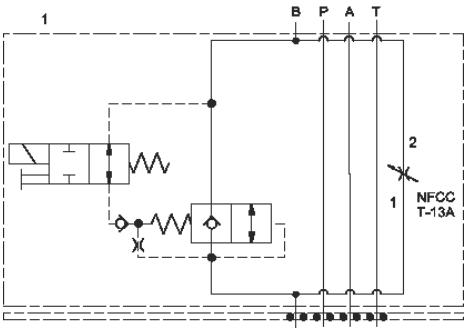
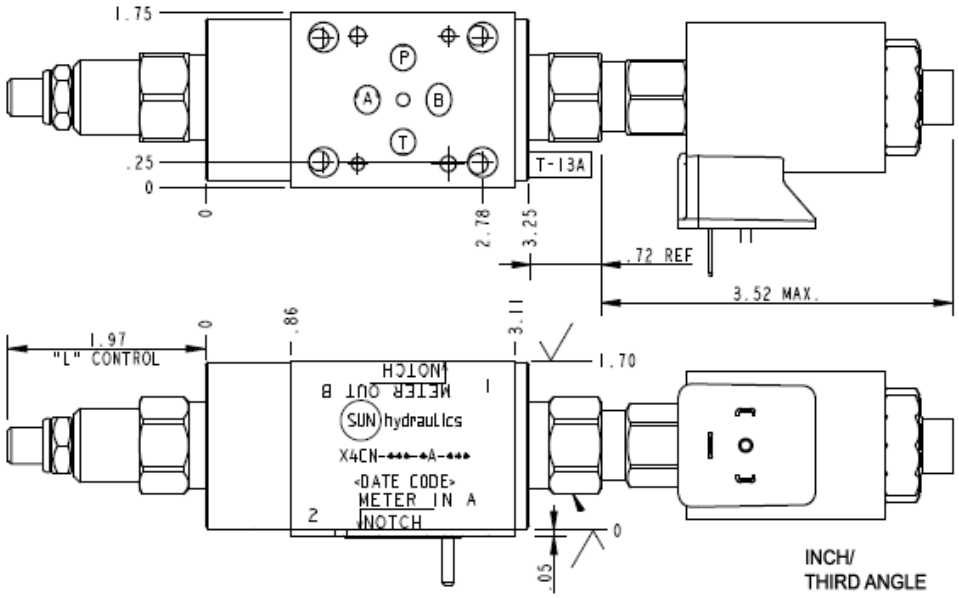


Meter out A Normally Open



Meter out B Normally Open



This assembly consists of a needle valve which is a fully-adjustable orifice used to regulate flow. It is infinitely adjustable from fully closed up to the maximum orifice diameter. It is not pressure-compensated. It may be used as flow controls or as shutoff valves. The rapid or feed rate is selected by a solenoid operated (normally open or closed) 2-way, 2-position 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 A or B, meter out A or B
Control Flow Range	0 - 7 gpm
Seal Plate Included (see notes)	Yes
Stack Height	1.75 in.

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: X4CNLCNFA224

CONTROL		(L)
L	Standard Screw Adjustment	
H	Calibrated Handknob with Detent Lock	
K	Handknob	

MAXIMUM ORIFICE DIAMETER		(C)
C	.19 in. (4,8 mm)	
D	.09 in. (2,3 mm)	

SEAL MATERIAL		(N)
N	Buna-N	
V	Viton	

INCLUDED COMPONENTS

Part	Description	Quantity
500-001-012*	O-Ring	4
700-002*	Seal Plate	1
811-001-006*	Pin	1
DFCA8DN	Cartridge	1
DTAFMHN224	Cartridge	1
NFCCLCN	Cartridge - Primary	1

TECHNICAL FEATURES

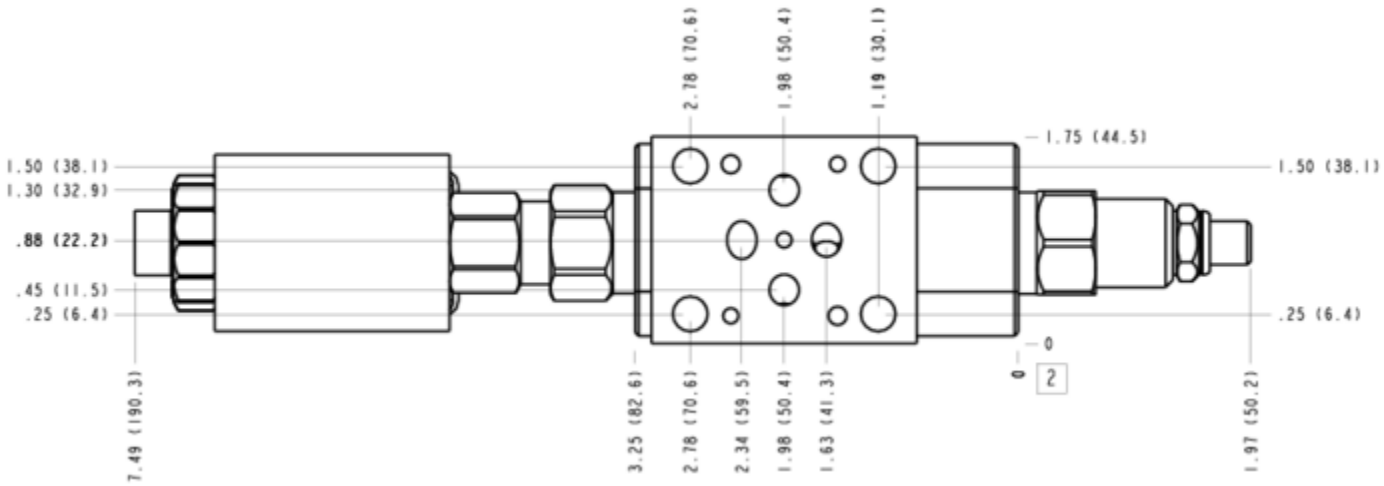
- The sharp-edged orifice design minimizes flow variations due to viscosity changes.
- A balanced adjustment mechanism allows for easy adjustment even at high pressures.
- Because needle valves are non-compensating devices, the fixed orifice size will regulate flow through the valve in proportion to the square root of the pressure differential across ports 1 and 2.
- Now available with FLeX Series solenoid valves. See CONFIGURATION section, SOLENOID DESIGNATION to specify.

MANIFOLD FACES

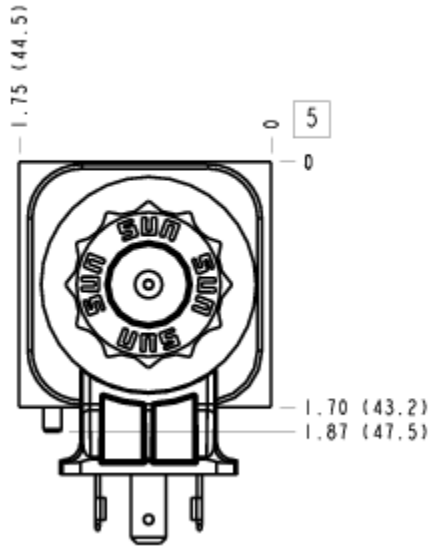
FACE GRID

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

FACE 2



FACE 5



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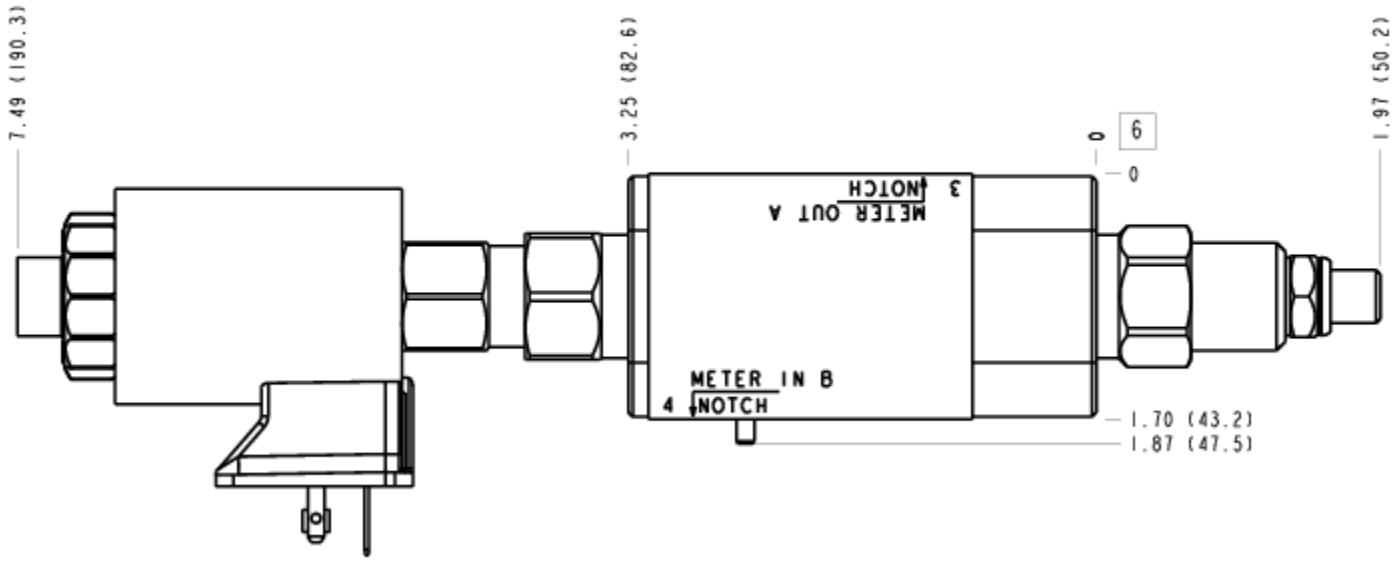

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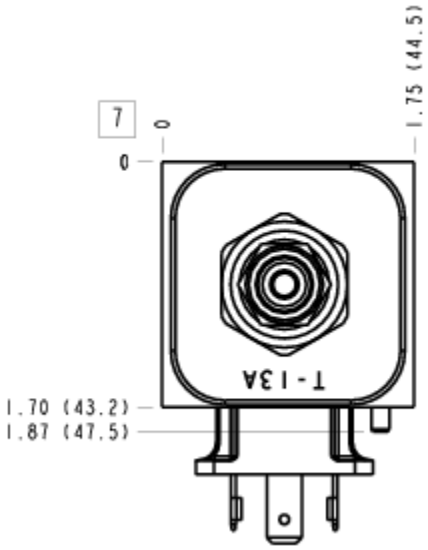
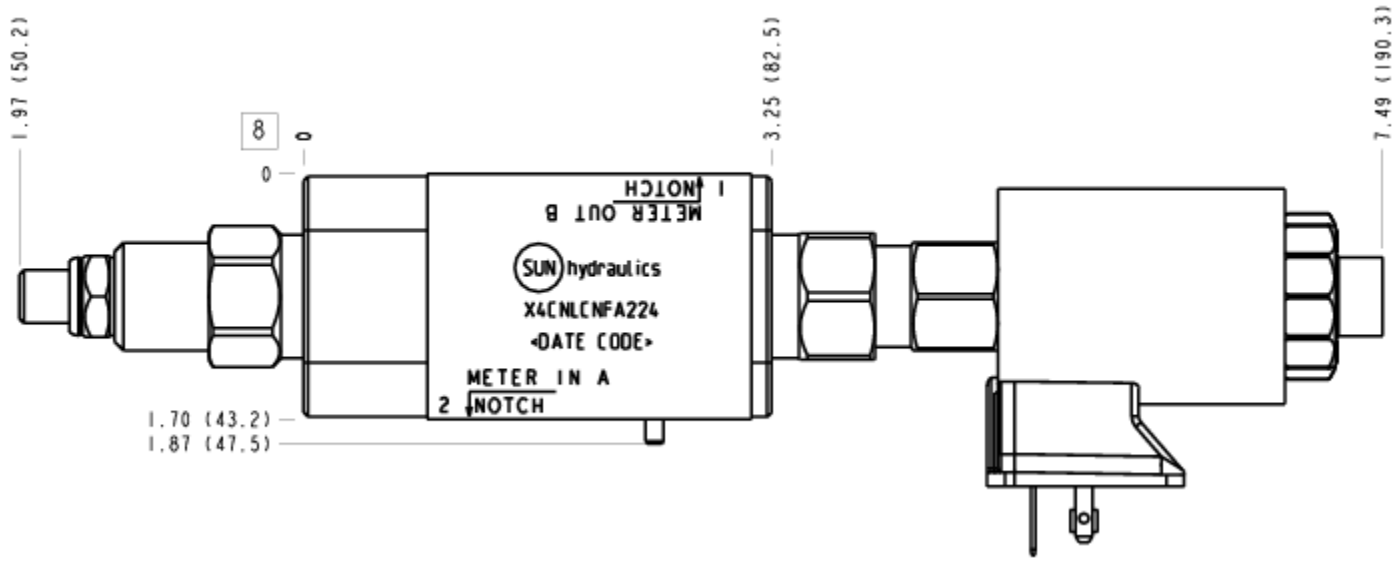


FACE 8



FACE 10