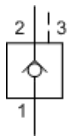
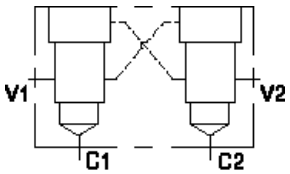
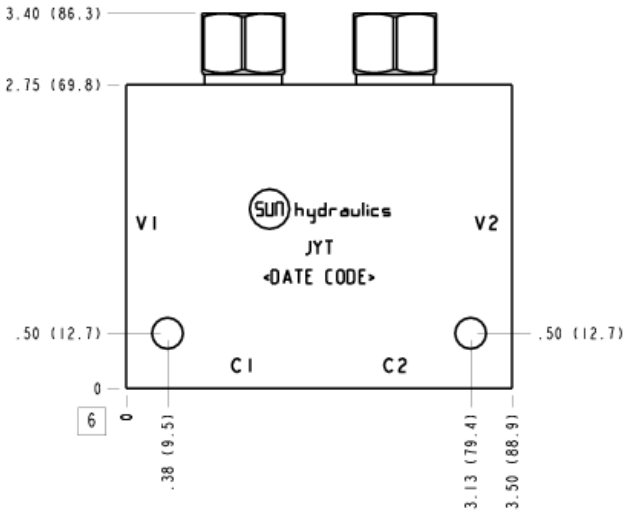
MODEL
CKBDXCN-JYT

Pilot-to-open check valve with sealed pilot
CAPACITY: 30 L/min. | CAVITY: T-163A







CARTRIDGE CONFIGURATION

X	Control	Standard Pilot
C	Cracking Pressure	30 psi (2 bar)
N	Seal Material	Buna-N
(none)	Material/Coating	

MANIFOLD CONFIGURATION

(none)	Modifier	6061-T651 Aluminum, Buna-N

PORT HEADINGS AND SIZES

Modifiers	Ports
JYT, /10, /11	All Ports: 1/4" BSPP;

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.

This valve is a pilot to open check valve. It has a sealed pilot, a steel seat, and is non-vented. It allows free flow from the valve (port 2) to the load (port 1) and blocks flow in the opposite direction. Pressure at the pilot (port 3) will open the valve from port 1 to port 2. Pilot pressure needed at port 3 to open the valve is directly proportional to the load pressure at port 1. Pressure at port 2 directly opposes pilot pressure.

CARTRIDGE TECHNICAL DATA

Cavity	T-163A
Series	0
Capacity	30 L/min.
Maximum Operating Pressure	350 bar
Pilot Ratio	3:1
Maximum Valve Leakage at 110 SUS (24 cSt)	0,07 cc/min.
Valve Hex Size	19,1 mm
Valve Installation Torque	27 - 33 Nm
Seal kit - Cartridge	Buna: 990-163-007
Seal kit - Cartridge	EPDM: 990-163-014
Seal kit - Cartridge	Polyurethane: 990-163-002
Seal kit - Cartridge	Viton: 990-163-006
Model Weight	0.09 kg.

MANIFOLD TECHNICAL DATA

Body Type	Line mount
Interface	None
Body Features	Cross pilot
Mounting Hole Diameter	7,1 mm
Mounting Hole Depth	Through
Mounting Hole Quantity	2
Open Cavities	2

Open Cavities	2
Cavity	T-163A
Port Size	1/4" BSPP
Model Weight	0.34 kg.

CARTRIDGE TECHNICAL FEATURES

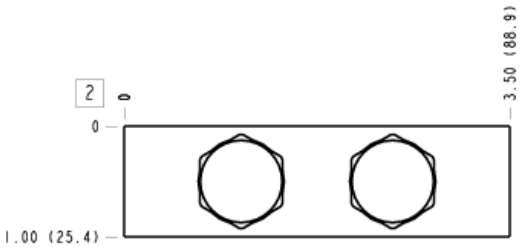
- Provides hose break protection, prevents loads from drifting and positively locks pressurized loads.
- Extremely low leakage. The seat and poppet are heat treated for long life. If the load drifts due to the valve, the seat has probably been damaged by contamination and the valve should be replaced.
- Sealed pilot for use in circuits where cross port leakage is undesirable.
- Note: Available only with 30 psi or 75 psi (2 bar or 5 bar) check valve cracking pressures.
- Pilot-to-open check cartridges are locking valves, not motion control valves. For motion control applications, use counterbalance valves.
- For models with manual load release control option, turn load release clockwise to release load.
- Cartridges configured with EPDM seals are for use in systems with phosphate ester fluids. Exposure to petroleum based fluids, greases and lubricants will damage the seals.
- Incorporates the Sun floating style construction to minimize the possibility of internal parts binding due to excessive installation torque and/or cavity/cartridge machining variations.

ASSEMBLY FACES

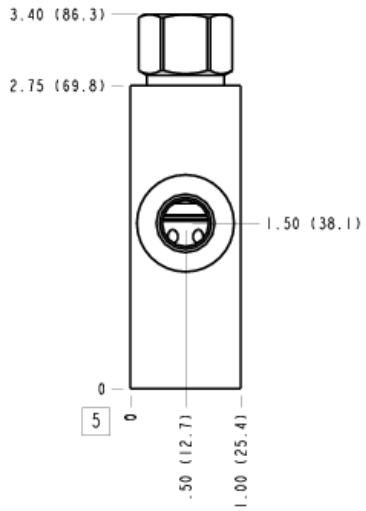
FACE GRID

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

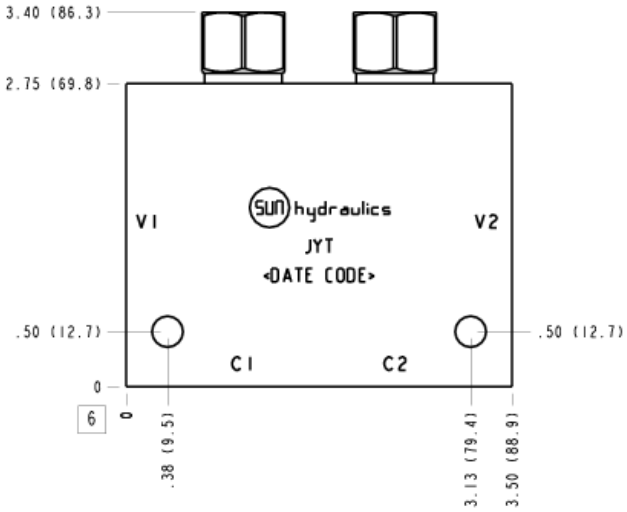
Face 2



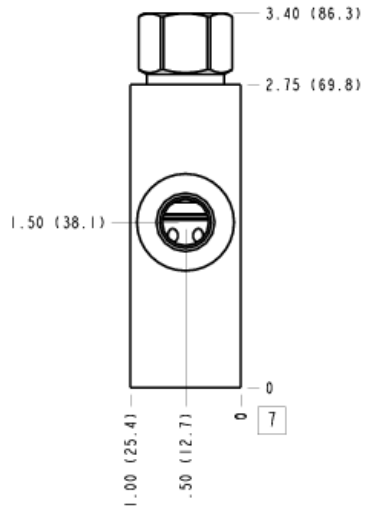
Face 5


3.40 (86.3)
2.75 (69.8)
1.50 (38.1)
0
5
0
.50 (12.7)
1.00 (25.4)

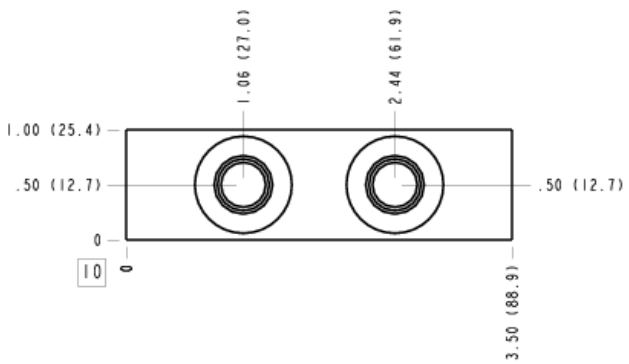
Face 6


3.40 (86.3)
2.75 (69.8)
V1
hydraulics
JYT
<DATE CODE>
V2
.50 (12.7)
.50 (12.7)
C1
C2
0
6
0
.38 (9.5)
3.13 (79.4)
3.50 (88.9)

Face 7


3.40 (86.3)
2.75 (69.8)
1.50 (38.1)
0
7
0
1.00 (25.4)
.50 (12.7)

Face 10



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