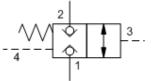


Normally closed, balanced poppet, logic element - pilot-to-open

SERIES 4 / CAPACITY: 120 gpm / CAVITY: T-24A



snhy.com/DKJS



3.15(80.00) SHOULDER PORTI PORT4 **PORT3** PORT2

CONFIGURATION

X	Control	Standard Pilot
Н	Minimum Pilot Pressure	300 psi (20 bar)
٧	Seal Material	Viton
(none) Material/Coating		Standard Material/Coating

This is a normally closed, balanced poppet, switching element. Pilot pressure at port 3 shifts the valve to the open position.

TECHNICAL DATA

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

Cavity	T-24A
Series	4
Capacity	120 gpm
Minimum Pilot Pressure Required to Shift Valve	300 psi
Maximum Operating Pressure	5000 psi
Maximum Valve Leakage at 110 SUS (24 cSt)	10 drops/min.@5000 psi
Pilot Volume Displacement	.17 in³
Valve Hex Size	1 5/8 in.
Valve Installation Torque	350 - 375 lbf ft
Seal kit - Cartridge	Buna: 990024007
Seal kit - Cartridge	EPDM: 990024014
Seal kit - Cartridge	Polyurethane: 990024002
Seal kit - Cartridge	Viton: 990024006
Model Weight	3.34 lb.

CONFIGURATION OPTIONS

Model Code Example: DKJSXHV

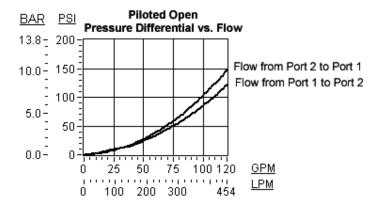
CONTROL (X) MINIMUM PILOT PRESSURE (V) MATERIAL/COATING (H) SEAL MATERIAL X Standard Pilot H 300 psi (20 bar) V Viton Standard Material/Coating **E** EPDM /AP Stainless Steel, Passivated N Buna-N /LH Mild Steel, Zinc-Nickel

TECHNICAL FEATURES

- Unique balanced construction provides predictable switching with 5000 psi (350 bar) at both ports 1 and 2, with the external drain open and a minimum pilot pressure of 300 psi (20 bar).
- Port 1 and port 2 are fully sealed from port 3 and port 4. Ports 3 and 4 are positively sealed.
- Any backpressure at the drain port is directly additive to the required pilot pressure for reliable operation.
- Leakage rate between port 1 and port 2 is very low, typically less than 10 drops/min. at 5000 psi (0,7 cc/min at 350 bar).
- Valve will reseat when the pilot pressure falls below 145 psi (10 bar).
- 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.
- These valves are hydraulically balanced between port 1 and port 2.
- All ports will accept 5000 psi (350 bar).
- 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.

© 2019 Sun Hydraulics 1 of 2

PERFORMANCE CURVES



© 2019 Sun Hydraulics 2 of 2