

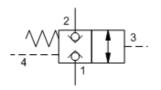


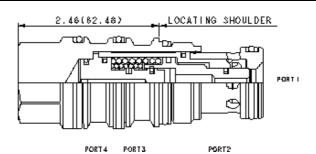
Normally closed, balanced poppet, logic element - pilot-to-open

SERIES 3 / CAPACITY: 240 L/min. / CAVITY: T-23A









CONFIGURATION

Х	Control	Standard Pilot				
Н	Minimum Pilot Pressure	300 psi (20 bar)				
N	Seal Material	Buna-N				
(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.

(NI) MATERIAL/COATING

Cavity	T-23A		
Series	3		
Capacity	240 L/min.		
Minimum Pilot Pressure Required to Shift Valve	20 bar		
Maximum Operating Pressure	350 bar		
Maximum Valve Leakage at 110 SUS (24 cSt)	0,7 cc/min.@350 bar		
Pilot Volume Displacement	0,82 cc		
Valve Hex Size	31,8 mm		
Valve Installation Torque	203 - 217 Nm		
Seal kit - Cartridge	Buna: 990023007		
Seal kit - Cartridge	EPDM: 990023014		
Seal kit - Cartridge	Polyurethane: 990023002		
Seal kit - Cartridge	Viton: 990023006		
Model Weight	0.67 kg.		

CONFIGURATION OPTIONS

Model Code Example: DKHSXHN

(U) CEAL MATERIAL

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

TECHNICAL FEATURES

CONTRO

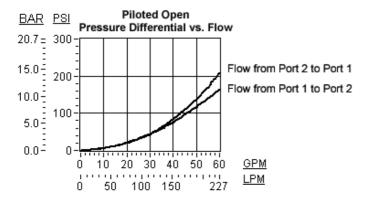
- Unique balanced construction provides predictable switching with 5000 psi (350 bar) at both ports 1 and 2, with the external drain open and a minimum pilot pressure of 300 psi (20 bar).
- Port 1 and port 2 are fully sealed from port 3 and port 4. Ports 3 and 4 are positively sealed.
- Any backpressure at the drain port is directly additive to the required pilot pressure for reliable operation.

(V) MINIMUM DII OT DDESCUDE

- 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.

PERFORMANCE CURVES

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