DUAL PILOT OPERATED CHECK VALVE POPPET TYPE, PILOT TO OPEN, 3 TO 1 PILOT RATIO.

FOR ALUMINUM OR STEEL VALVE HOUSING CONFIGURATIONS SEE PAGE 0-026.0
DUAL PILOT OPERATED CHECK VALVE
POPPET TYPE, PILOT TO OPEN, 3 TO 1 PILOT RATIO.

DESCRIPTION
This unit is a cartridge type, guided poppet, with cross line pilot, dual hydraulic pilot operated check valve, for use as a blocking or load holding device for high pressure applications.

OPERATIONS
This valve allows free flow from port V1 to port C1 and V2 to C2 then blocks reverse flow until a pilot pressure is sensed at pilot ports which are connected to ports V1 and V2 therefore opening flow from port C1 or port C2.
This pilot operated check valve has a 3 to 1 pilot ratio, meaning that it takes at least one-third of the load pressure held at port 1 that is required at port 3 to open the valve.

FEATURES AND BENEFITS
A low friction seal on pilot piston is standard.
A separate heavy spring assures fast return of the pilot piston for a very quick, reliable and positive valve re-seat.
All external carbon steel parts are plated for longer life against the elements.
All cartridge valves are 100% functionally tested.
Industry common cavity.

SPECIFICATIONS
OPERATING PRESSURE: 5,000 PSI [350 Bar]
PROOF PRESSURE: 10,000 PSI [700 Bar]
FLOW: 10.0 GPM [38 l/m] nominal. See performance chart.
PILOT RATIO: 3 TO 1
INTERNAL LEAKAGE: 5 drops per minute maximum @ 5,000 PSI [350 Bar]
5000 PSI [350 Bar] = Steel – Unplated.
OPERATING TEMPERATURE: -40° to +250° F. [-40° to +120° C.]
OPERATING MEDIA: All general purpose hydraulic fluids such as MIL-H-5606, SAE-#10, SAE-#20, etc.
INSTALLATION: No restrictions.
SEAL KIT: SKN-0828 Buna "N"
SKV-0828 Viton
WEIGHT: 1.70 lb [.77 kg].
VALVE CAVITIES: #C0825, See Page 0–021.0.

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The information does not relieve users from the duty of conducting their own evaluations and tests. Because the products are subject to continual improvement, we reserve the right to amend the product specifications contained in this catalogue.

Reference: S20-P-011410-EN-00/09.2015