POCX-08

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

NOTE: CAVITY BOTTOM HOLE MUST ALLOW FOR POPPET EXTENSION (.500 DIA.).
FOR ALUMINUM OR STEEL VALVE HOUSING CONFIGURATIONS SEE PAGE 0-011.1

POCX-08-X-X-4T-XXX

L/M (28,5 cSt)

| | | | | | | |
|---|---|---|---|---|---|
| 7,6 | 15,1 | 22,7 | 30,3 | 38 |
| 14,0 | 10,5 | 7,0 | 3,5 |  |
| 0 | 2 | 4 | 6 | 8 | 10 |
| BAR |

PSI

Reference: 520-P-01111 0-EN-00/09.2015
PILOT OPERATED CHECK VALVE POPPET TYPE,
PILOT TO OPEN, 3 TO 1 PILOT RATIO

DESCRIPTION
This unit is a SCREW IN, cartridge type, guided poppet,
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 2 to port 1 and blocks
flow from port 1 to port 2 or holding a load. Flow will be allowed
from port 1 to port 2 when pressure is applied to pilot port "P".
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 pilot port "P" to open the valve.
We recommend to use an orifice to dampen the pilot signal (X) when used
with an on/off (hard shifting) valve.

FEATURES AND BENEFITS
Wide selection of bias springs allows flexibility for
back-pressure application.
A low friction seal on pilot piston is standard.
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 [38.0 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–0821 Buna "N"
SKV–0821 Viton
WEIGHT: .34 lb [.15 kg] cartridge only.
VALVE CAVITY: #C0820, See Page 0–011.0.