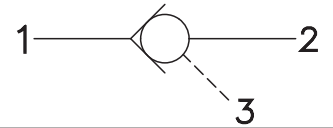
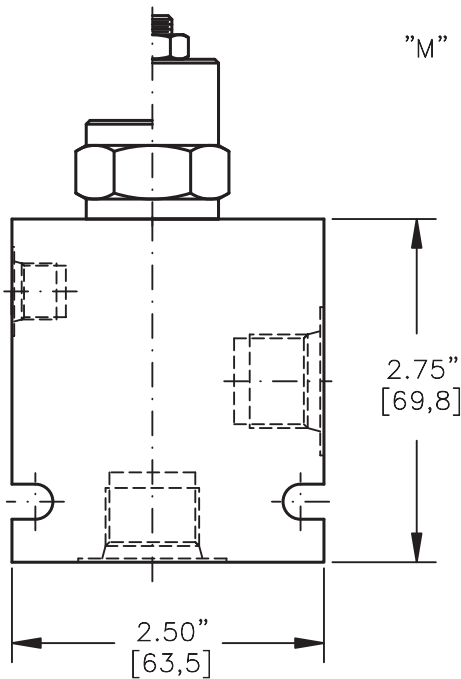
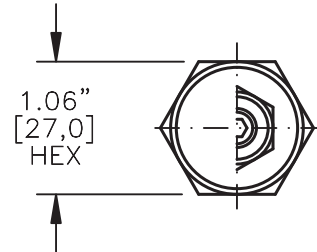


PILOT OPERATED CHECK VALVE POPPET TYPE,
PILOT TO CLOSE, PILOT RATIO.



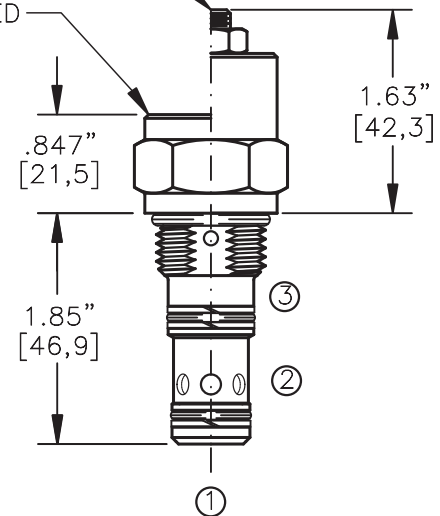
TORQUE:

Steel = 55/60 Ft-Lb. [74/81 Nm]
Aluminum = 35/40 Ft-Lb. [47/54 Nm]



"M" MANUAL LOAD RELEASE
1/2" [12,7] HEX

"F" FIXED



NOTE: FOR ALUMINUM OR STEEL VALVE HOUSING CONFIGURATIONS SEE PAGE 0-022.1.

PTCC-10-X-X-X-X

BASIC

SIZE

10 = 7/8"-14 UNF

SEALS

N = BUNA "N"

V = VITON

ADJUSTMENT

F = FIXED

M = MANUAL RELEASE

PILOT RATIO

2 = 2 TO 1

3 = 3 TO 1

PORTS

0 = CARTRIDGE ONLY

06TX = SAE - #6

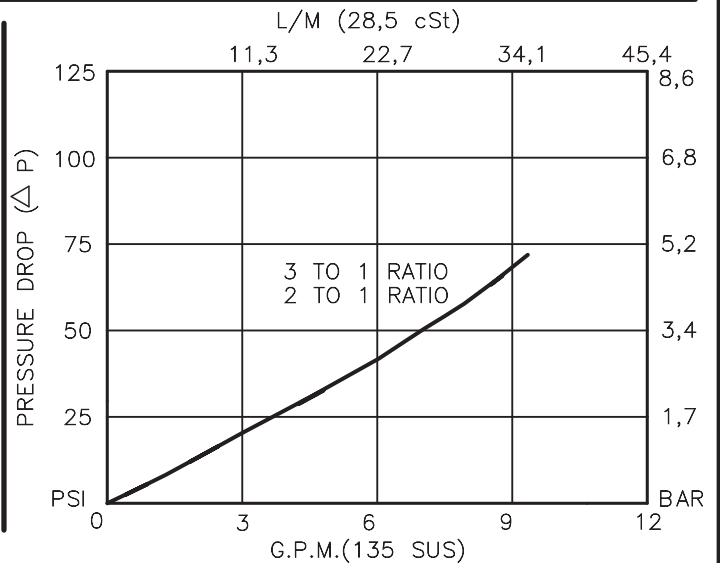
08TX = SAE - #8

02BX = 1/4" BSPP

03BX = 3/8" BSPP

"A" - ALUM. HOUSING

"S" - STEEL HOUSING



PILOT OPERATED CHECK VALVE

POPPET TYPE, PILOT TO CLOSE, 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 1 to port 2 and blocks flow from port 2 to port 1 for holding a load. Flow will not be allowed from port 2 to port 1 when pressure is applied to port 3. This pilot operated check valve has a 3 to 1 or 2 to 1 pilot ratio, meaning that port 3 requires at least one-third or half of the load pressure held at port 2 to close 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-open.
 Optional screw type manual load release is available.
 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 OR 2 TO 1
 INTERNAL LEAKAGE: 5 drops per minute maximum @ 5,000 PSI [350 Bar]
 VALVE HOUSINGS: 2500 PSI [175 Bar] = Aluminum – Anodized.
 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-1028 Buna "N"
 SKV-1028 Viton
 WEIGHT: .32 lb [.15 kg] cartridge only.
 VALVE CAVITY: #C1025, See Page 0-022.0.

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