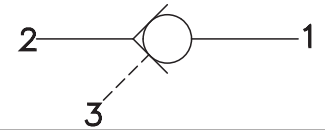


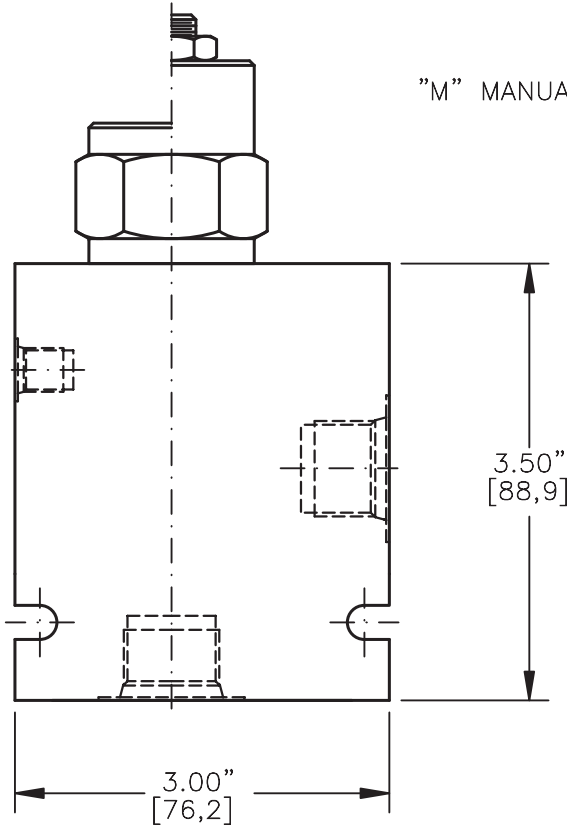
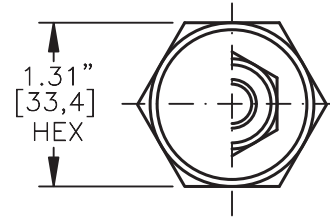
PILOT OPERATED CHECK VALVE POPPET TYPE,
PILOT TO OPEN, 3 TO 1 PILOT RATIO.



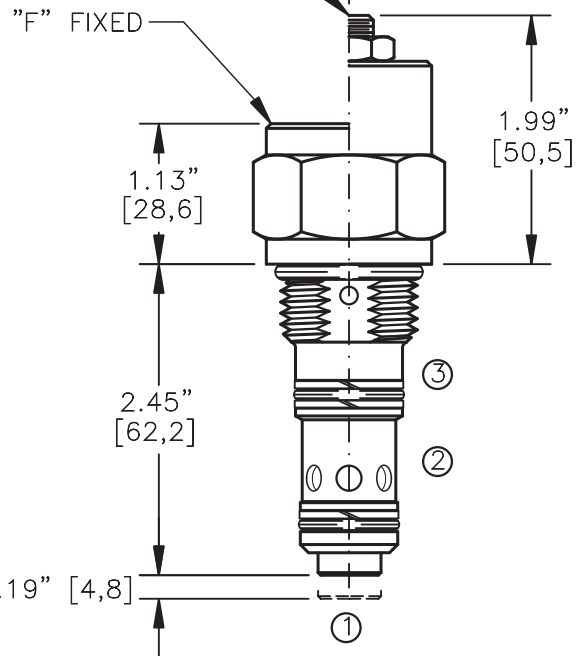
TORQUE:

Steel = 70/75 Ft-Lb. [95/102 Nm]

Aluminum = 55/60 Ft-Lb. [74/81 Nm]



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



NOTE: CAVITY BOTTOM HOLE MUST ALLOW FOR POPPET EXTENSION (.750 DIA.).
FOR ALUMINUM OR STEEL VALVE HOUSING CONFIGURATIONS SEE PAGE 0-023-1.

POCI-12-X-X-X-XXX

BASIC

SIZE
12 = 1.062"-12 UNF

SEALS
N = BUNA "N"
V = VITON

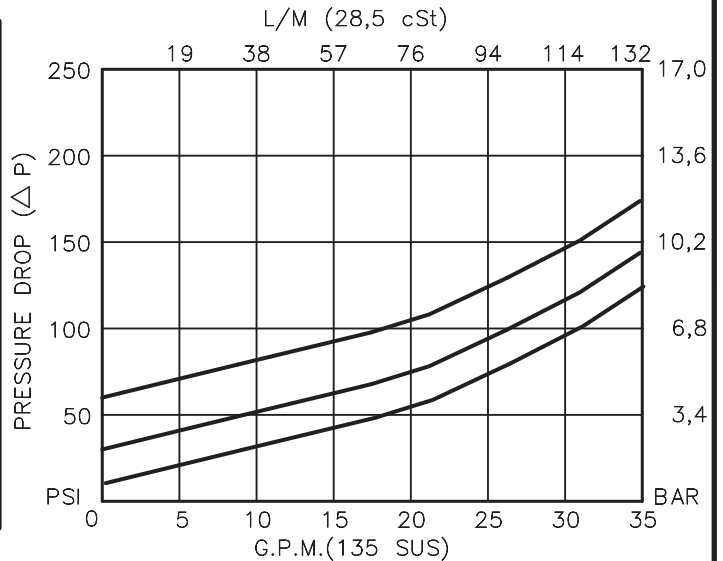
ADJUSTMENT
F = FIXED
M = MANUAL RELEASE

CRACK PRESSURE
010 = 10 PSI
030 = 30 PSI
060 = 60 PSI

PORTS

0 = CARTRIDGE ONLY
04BX = G 1/2" BSPP
06BX = G 3/4" BSPP
10TX = SAE - #10
12TX = SAE - #12

"A" - ALUM. HOUSING
"S" - STEEL HOUSING



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 sufficient pilot pressure is applied to port 3. 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.
 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.

SPECIFICATIONS

OPERATING PRESSURE: 5,000 PSI [350 Bar]
 PROOF PRESSURE: 10,000 PSI [700 Bar]
 FLOW: 35.0 GPM [132.4 l/m] nominal. See performance chart.
 PILOT RATIO: 3 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-1228 Buna "N"
 SKV-1228 Viton
 WEIGHT: 0.63 lb [0,25 kg] cartridge only.
 VALVE CAVITY: #C1225, See Page 0-023.0.

info.el@bucherhydraulics.com

www.bucherhydraulics.com/commoncavity

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