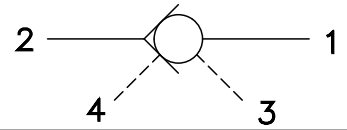
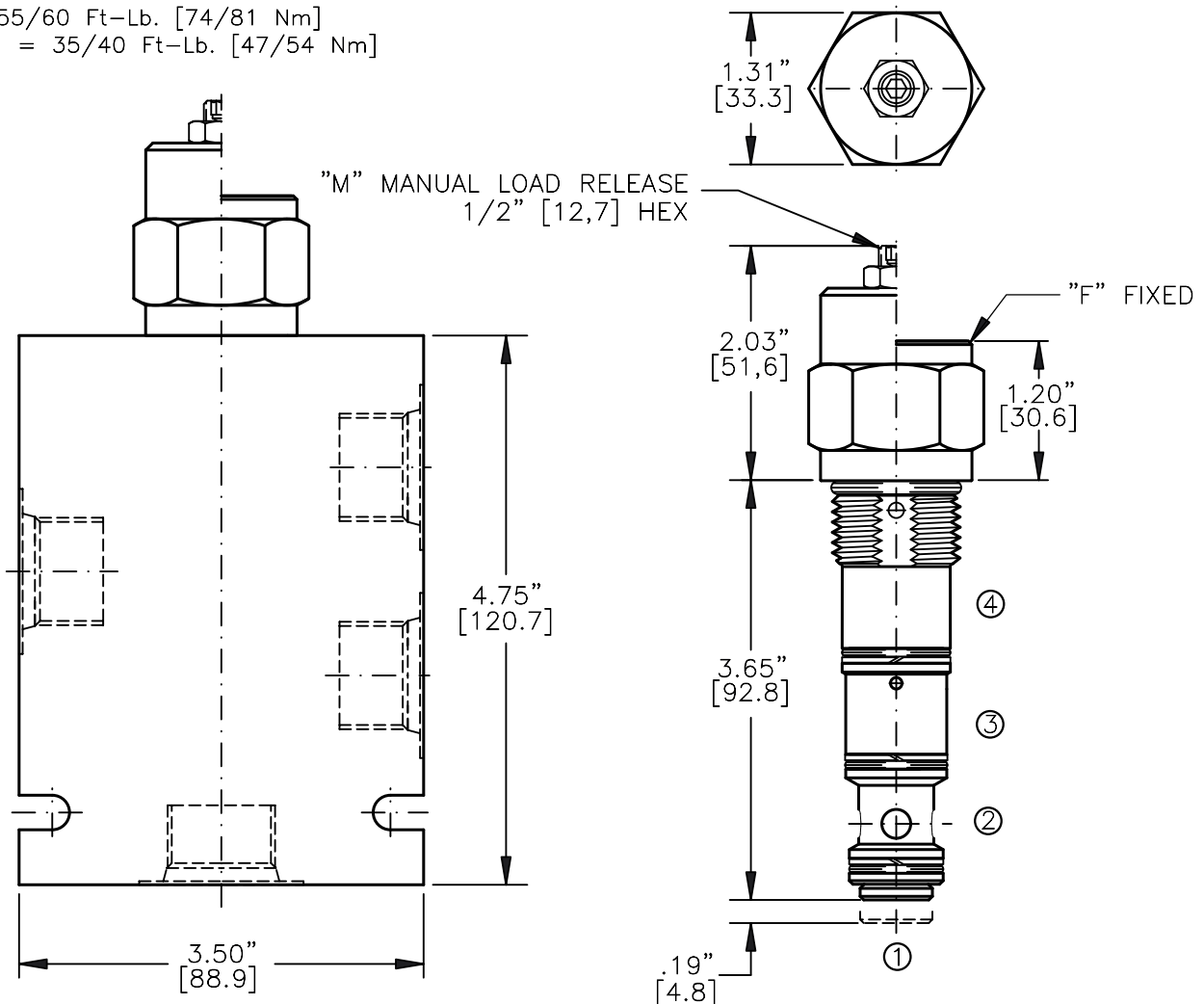


PILOT OPERATED CHECK VENTED POPPET TYPE, PILOT TO OPEN, 3 TO 1 PILOT RATIO.


TORQUE:

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

Aluminum = 35/40 Ft-Lb. [47/54 Nm]



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

POCV-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

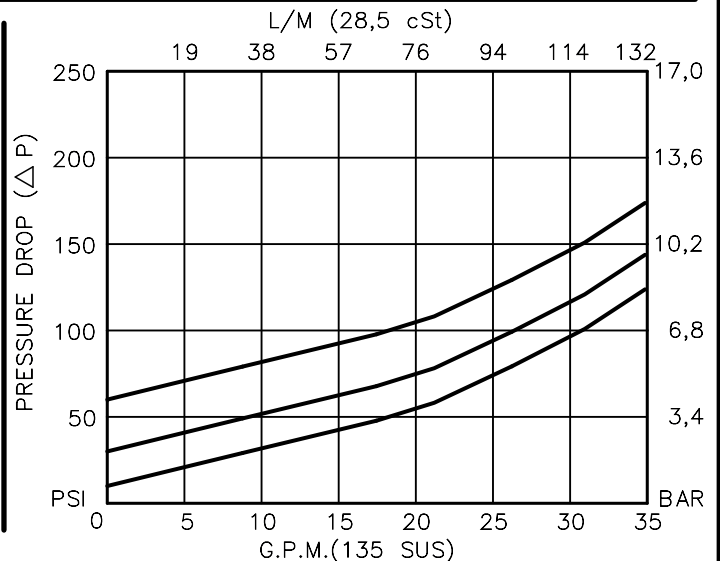
0 = CARTRIDGE ONLY

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 VENTED 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 vented 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 port 4. 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 4 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.
Industry common cavity.

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-1242 Buna "N"

SKV-1242 Viton

WEIGHT: 0.80 lb [0,36 kg] cartridge only.

VALVE CAVITY: #C1240, See Page 0-043.0.

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