MODULAR PILOT CHECK VALVE

MPC-02 SERIES

The modular pilot-operated check valve will allow free flow in one direction and block flow in the opposite direction. It functions to positively hold the actuator in a neutral position. Movement is restored by an automatic pilot pressure signal when the directional control valve shifts to move the actuator. It may be specified to operate on the A, B, or A & B port.

As a modular valve, this valve mounts between an NFPA D03 size directional control valve and the subplate. A longer than standard bolt kit is required when mounting modular valves in a stack. Refer to bolt kits.



Quick Links

Model Code
Performance Curves
Dimensions

Model Code - top

MPC – 02 W – 50 – **

1 2 3 4 5

1 Series
MPC: Modular Pilot Check Valve

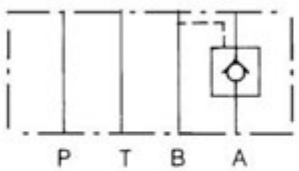
2 Mounting Style
02: NFPA Size D03

3 Function Port
A: A Port
B: B Port
W: A & B Ports

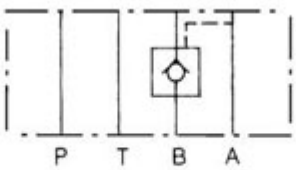
4 Cracking PSI
50: 50 PSI (3.5 BAR)

5 Design Number

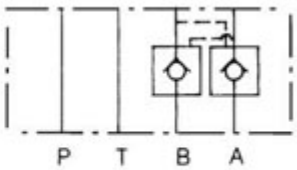
Symbols - top



MPC-02A



MPC-02B



MPC-02W

Features - top

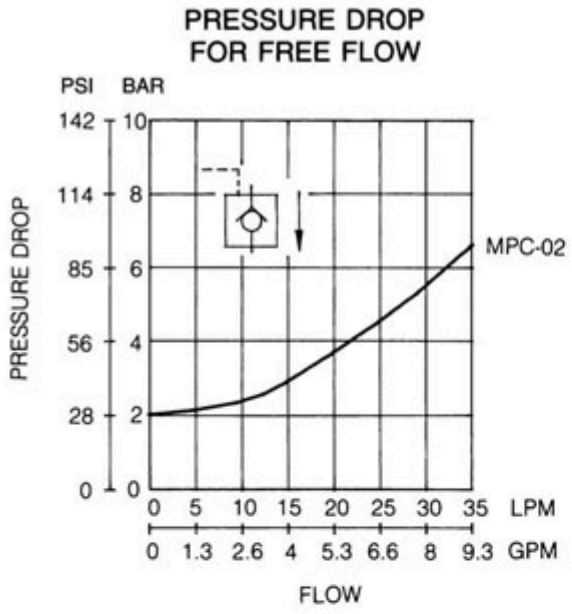
Max. operating pressure	250 BAR (3675 PSI)
Max. flow capacity	35 LPM (9.3 GPM)

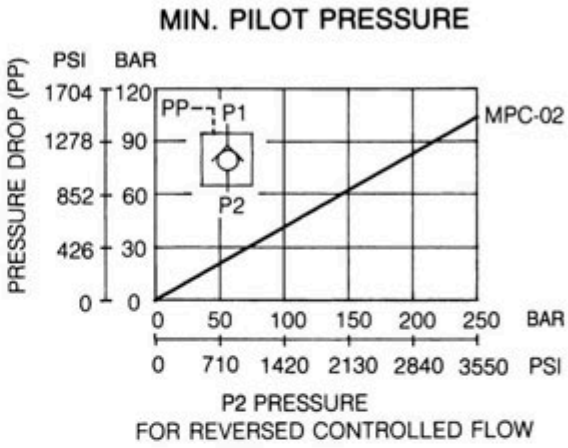
Internal Leakage: 0.1 cc/minute (2 drops/minute) MAX. at 207 BAR(3000 PSI).

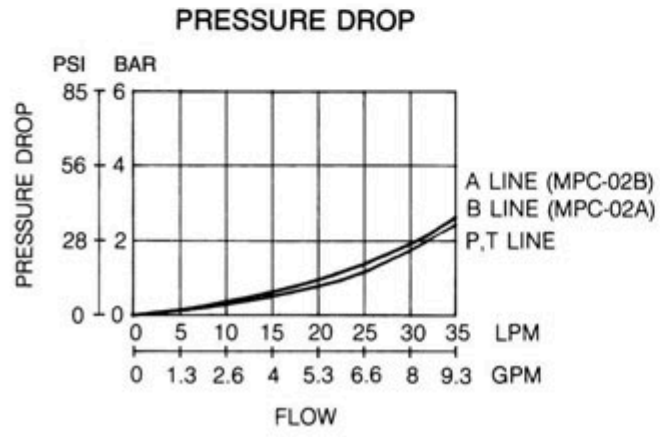
Performance Curves- top

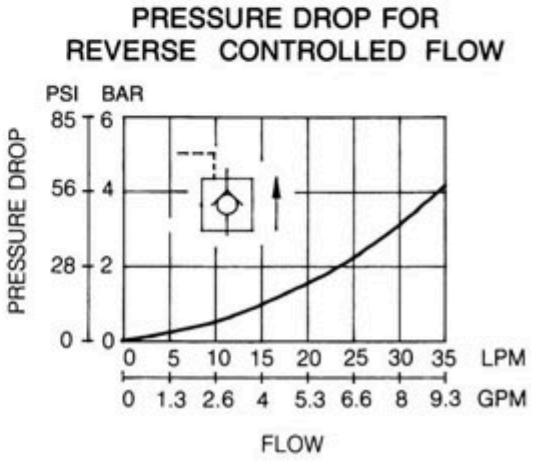
TEST CONDITIONS

Viscosity: 35 cSt (175 SSU) Temperature: 50° C (122° F)





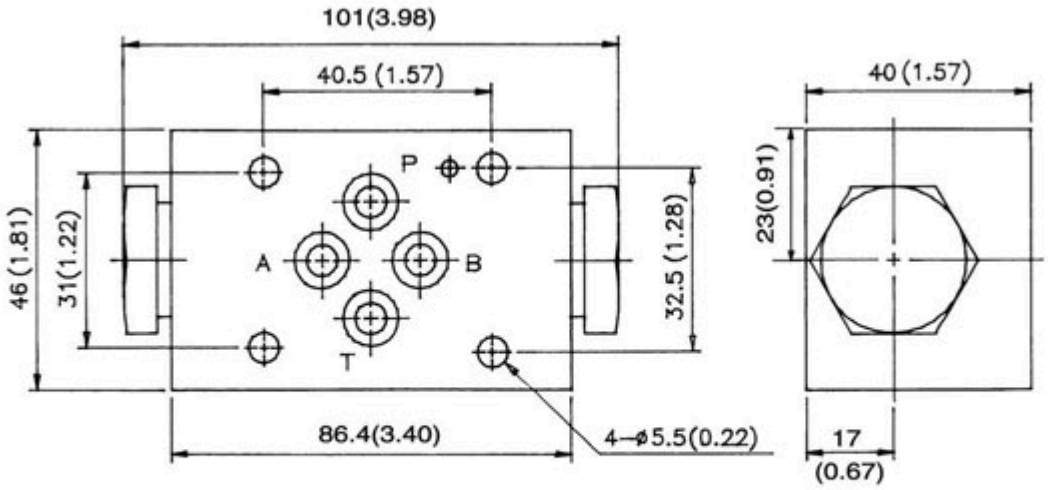




Dimensions - top

UNIT: mm(inch)
WEIGHT: 1.5 kgs(3.3 lbs)
Mounting Surface: ISO 4401-AB-03-4-A

MPC-02- * -40


101(3.98)
40.5 (1.57)
40 (1.57)
P
A
B
T
46 (1.81)
31(1.22)
32.5 (1.28)
23(0.91)
86.4(3.40)
4-ø5.5(0.22)
17
(0.67)