MPTC-10

MANUAL VALVE
PUSH TO CLOSE

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

FOR ALUMINUM OR STEEL VALVE HOUSING CONFIGURATIONS SEE PAGE 0-012.1

MPTC-10-X-X

BASIC
SIZE
10 = 7/8"-14UNF

SEALS
N = BUNA "N"
V = VITON

PORTS = CARTRIDGE ONLY
0 = G 1/4" BSPP
02BX = G 3/8" BSPP
03BX = SAE - #6
08TX = SAE - #8
08TX "A" = ALUM. HOUSING
08TX "S" = STEEL HOUSING

PRESSURE DROP (ΔP)

L/M (28.5 cSt)

250
200
150
100
50
0

PSI

0 1 2 3 4 5 6

BAR

G.P.M. (135 SUS)
MANUAL VALVE
PUSH TO CLOSE

DESCRIPTION
This unit is a SCREW IN, cartridge type, guided spool, spring biased open, push to close, hydraulic manual valve.

OPERATIONS
This valve allows flow between ports 1 and 2. When valve is actuated, the spool in this valve is shifted and allows no flow between ports 1 and 2.

FEATURES AND BENEFITS
Low effort leakproof valve stem.
Push to close mechanical effort at rated pressure is 17.5 LBS [8,0 KG.]
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: 6.0 GPM [22.7 l/m] nominal. See performance chart.
INTERNAL LEAKAGE: 5 cu.in/min [82 cc/min] @ 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.
FILTRATION: 25 microns or better.
SEAL KIT: SKN-1021 Buna "N".
SKV-1021 Viton.
WEIGHT: .31 lb [.14 kg] cartridge only.
VALVE CAVITY: #C1020, See Page 0-012.0.

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Reference: 520-P-120320-EN-00/09.2015