MANUAL ROTARY FLOW CONTROL VALVE

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

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

1.28" [32.5]
1.56" [39.6]
1.06" [27.0] HEX

"D" & "L" ADJUSTMENTS
"K" ADJUSTMENT

MRFC-10-X-X-X

BASIC
SIZE 10 = 7/8"-14UNF
SEALS N = BUNA "N" = VITON V

ADJUSTMENT K = HANDKNOB
H = METAL HANDKNOB
Q = NO KNOB
G = GRADUATED METAL KNOB
D = LEVER WITH DETENTS
L = LEVER WITH FRICTION LOCK

FOR ADJUSTMENT CONTROL OPTIONS SEE PAGE 0-050.1

Reference: 520-P-022020-EN-00/09.2015

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Aluminum = 35/40 Ft-Lb. [47/54 Nm]
MANUAL ROTARY FLOW CONTROL VALVE

DESCRIPTION
This unit is a SCREW IN, cartridge type, non-compensated, adjustable, bi-directional rotary flow control valve.

OPERATIONS
This valve increases its orifice value from fully closed to fully open in 1/2 turn with counterclockwise rotation.

FEATURES AND BENEFITS
Fine and low effort leakproof adjustment; knob is optional. 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: 18.0 GPM [68 l/m] nominal. See performance chart.
SHAFT ROTATION IS 160° FROM FULL OPEN TO CLOSED
INTERNAL LEAKAGE: 5 cu.in./min.[82 cc/m] @ 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.
SEAL KIT: SKN–1022 Buna “N”.
SKV–1022 Viton.
WEIGHT: .31 lb [.14 kg] cartridge only.
VALVE CAVITY: #C1020, See Page 0–012.0.