NEEDLE VALVE BI-DIRECTIONAL, POSITIVE SHUT-OFF, FINE ADJUSTMENT

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

NFFC-10

BASIC

SIZE
10 = 7/8"-14 UNF

SEALS
N = BUNA "N"
V = VITON

ADJUSTMENT
K = HANDKNOB
H = METAL HANDKNOB
O = NO KNOB

PORTS
O = CARTRIDGE ONLY
02BX = G 1/4" BSPP
03BX = G 3/8" BSPP
06TX = SAE = #6
08TX = SAE = #8

"A" = ALUM. HOUSING
"S" = STEEL HOUSING

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

Reference: 520-P-020020-EN-00/09.2015
DESCRIPTION

This unit is a SCREW IN, cartridge type, non-compensated, adjustable, bi-directional fine adjustment needle flow control valve.

OPERATIONS

This valve increases its orifice value from fully closed to fully open in 4 1/2 turns with counterclockwise rotation.

Positive shut-off.

FEATURES AND BENEFITS

Fine and low effort leakproof adjustment.
Effective adjustment is precisely controlled to 4 1/2 turns.
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: 8.0 GPM [30 l/m] nominal. See performance chart.
INTERNAL LEAKAGE: ZERO drops per minute maximum @ 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.