NEEDLE VALVE BI-DIRECTIONAL, POSITIVE SHUT-OFF

FOR ALUMINUM OR STEEL VALVE HOUSING CONFIGURATIONS SEE PAGE 0-011.1

NFCV-08-X-X-X

BASIC

SIZE 08 = 3/4"-16 UNF

SEALS
N = BUNA "N"
V = VITON

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

FOR ADJUSTMENT CONTROL OPTIONS SEE PAGE 0-050.0

TORQUE:

Steel = 35/40 Ft-Lb. [47/54 Nm]
Aluminum = 25/30 Ft-Lb. [34/41 Nm]

PRESSURE DROP (ΔP)

G.P.M. (135 SUS)

L/M (28.5 cSt)

TURNS

BAR

PSI

Reference: 520-P-020110-EN-00/09.2015
NEEDLE VALVE BI–DIRECTIONAL,  
POSITIVE SHUT–OFF

DESCRIPTION

This unit is a SCREW IN, cartridge type, non–compensated, adjustable, bi–directional 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 linear 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: 10.0 GPM [38 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–0822 Buna ”N”.  
SKV–0822 Viton.  
WEIGHT: .22 lb [.10 kg] cartridge only.  
VALVE CAVITY: #C0820, See Page 0–011.0.