CARTRIDGE MANUAL HAND PUMP
PUSH TO PRESSURIZE OR PULL TO PRESSURIZE

PULL TO PRESSURIZE

PUSH TO PRESSURIZE

HANDLE POSITION CAN BE ROTATED 360°.

1.06" [27.0] HEX

HANDLE SOLD SEPARATELY
PART #20591-16

16" LONG HANDLE

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

CMHP-10-X-X-X

BASIC

SIZE
10 = 7/8"-14UNF

SEALS
N = BUNA "N"
V = VITON

TYPE
2 = .250 CUBIC INCHES (4.0 CC)
DISPLACEMENT PER FULL STROKE

PORTS = CARTRIDGE ONLY
0 = G 1/4" BSPP
02BX = G 3/8" BSPP
03BX = SAE - #6
06TX = SAE - #8
08TX "A" = ALUM. HOUSING
"S" = STEEL HOUSING

OPERATOR HANDLE FORCE (KGS)

HYDRAULIC PRESSURE

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

Reference: 520-P-121000-EN-00/09.2015
CARTRIDGE MANUAL HAND PUMP
PULL TO PRESSURIZE OR PUSH TO PRESSURIZE

DESCRIPTION
This unit is a SCREW IN, cartridge type, plunger type, push to pressurize or pull to pressurize, hydraulic manual hand pump.

OPERATIONS
This hand pump allows free flow from port 1 to port 2 when plunger is pulled out and pressurize port 2 when plunger is pushed in. Handle position can be rotated 360° around the vertical axis.

FEATURES AND BENEFITS
Low effort leakproof pump plunger with 16” handle delivers .250 cu/in per one full stroke.
Pull the plunger out to fill the cylinder, push the plunger in to pressurize.
All external carbon steel parts are plated for longer life against the elements.
All cartridge hand pumps are 100% functionally tested.
Industry common cavity.

SPECIFICATIONS
OPERATING PRESSURE: 5,000 PSI [350 Bar]
PROOF PRESSURE: 10,000 PSI [700 Bar]
FLOW:.250 cu/in [4,0 cc] per full stroke . See performance chart.
INTERNAL LEAKAGE: 5 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–1021 Buna "N".
SKV–1021 Viton.
WEIGHT: 2.9 lb [.85 kg] cartridge with handle.
VALVE CAVITY: #C1020, See Page 0–012.0.