MANUAL RELEASE VALVE
PULL TO OPEN

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

MRPV-10

BASIC SIZE
10 = 7/8”-14UNF

SEALS
N = BUNA “N”
V = VITON

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

PORTS = CARTRIDGE ONLY
G = G 1/4” BSPP
G3/8 = G 3/8” BSPP
G3/4 = SAE - #6
G1 = SAE - #8
G08X = “A” = ALUM. HOUSING
G06X = “S” = STEEL HOUSING

PRESSURE DROP (ΔP)

L/M (28.5 cSt)

<table>
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<tr>
<th>G.P.M. (135 SUS)</th>
<th>0</th>
<th>5</th>
<th>10</th>
<th>15</th>
<th>20</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSI</td>
<td>0</td>
<td>5</td>
<td>10</td>
<td>15</td>
<td>20</td>
</tr>
<tr>
<td>BAR</td>
<td>17.5</td>
<td>14</td>
<td>10.5</td>
<td>7</td>
<td>3.5</td>
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Reference: 520-P-120120-EN-00/09.2015
MANUAL RELEASE VALVE
PULL TO OPEN

DESCRIPTION

This unit is a SCREW IN, cartridge type, guided poppet, spring biased closed, pull to open, hydraulic manual release valve.

OPERATIONS

This valve allows free flow from port 1 to port 2 at 175 PSI [12,0 BAR] and blocks flow from port 2 to port 1 or holding a load.

FEATURES AND BENEFITS

Low effort leakproof valve stem; knob is optional. Pull to open 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: 18.0 GPM [70 l/m] nominal. 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.
INSTALATION: No restrictions.
SEAL KIT: SKN–1021 Buna "N".
SKV–1021 Viton.
WEIGHT: .31 lb [.14 kg] cartridge only.
VALVE CAVITY: #C1020, See Page 0–012.0.