## DCHP102 Hydraulic Hand Pump

**Functional Symbol:**

![Functional Symbol Diagram](image)

**Description:**
Screw-in cartridge-style manual hand pump with dual integrated check valves.

**Features:**
- Seat made from hardened steel for long life
- Zinc plated to ASTM specifications for 240 hours of salt spray resistance
- Piston is hardened and ground
  - Improved wear and corrosion resistance
  - Improved heat and friction resistance
- Lever socket rotates 360°
- Dual integrated check valves
- Fits industry standard 10-2 cavity
- Competitive price
- Made in the USA

**Applications:**
- Hydraulic backup
- Hydrostatic testing
- Parking brakes, heavy equipment
- Safety applications

**Technical:**

<table>
<thead>
<tr>
<th>Operating Pressure/ Displacement</th>
<th>DCHP10221</th>
<th>.601 CI (9.8cc)</th>
</tr>
</thead>
<tbody>
<tr>
<td>21 = 2,100 psi (145 bar) / .601 CI (9.8cc)</td>
<td>DCHP10230</td>
<td>.442 CI (7.2cc)</td>
</tr>
<tr>
<td>30 = 3,000 psi (207 bar) / .442 CI (7.2cc)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Seals:**
- Nitrile (NBR, Buna N)

**Materials:**
- Plated Steel

**Handle:** *(Spec Sheet 1201459)*
- (Blank) = No Handle
- 09 = 9" Handle
- 16 = 16" Handle
- 20 = 20" Handle
- 24 = 24" Handle

**Proof Pressure:**
- 7,500 psi (517.12 bar)

**Cavity:**
- C-10-2

**Leak Rate:**
- < 5 drops per minute*

*Tested with: Mineral based or synthetics with lubrication properties at viscosities of 7.4 to 420 cSt (50 to 2000 sus)

**Seal Replacement Kits, External:**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Kit Code</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>DCHP10230</td>
<td>SRK-2475N</td>
<td>Nitrile (NBR, Buna N)</td>
</tr>
<tr>
<td>DCHP10221</td>
<td>SRK-2487N</td>
<td></td>
</tr>
</tbody>
</table>

**Ordering Information:**

Part Number: DCHP102 XX - XX

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**Handling Force (Nm):**

![Graph of Handling Force (Nm)](image)