1500 BAR ELECTRIC TENSIONING PUMPS

Solenoid valve with pendant remote control

Stocked and Distributed by Norman Equipment Company 800-323-2710
Reliability, Power and Precision

- Solenoid-operated valve with 6 m pendant for remote control of valve and one-man operation
- Easily accessible manual override valve to release pressure if power is lost
- Safety relief valve limits output pressure
- Two-stage pump design provides high flow at low pressure for fast system fills and controlled flow at high pressure for accurate operation
- 1,25 kW heavy-duty universal motor provides the best performance-to-weight ratio
- Replaceable 10 micron reservoir breather and inline high pressure filter helps maintain oil cleanliness for optimum performance
- Panel-mounted 153 mm pressure gauge, with polycarbonate cover, is set into the protective metal shroud for improved visibility.

Typical tensioning pump applications

Oil and Gas, MRO
- Gas turbine rotors
- Compressors
- Gas turbine horizontal and vertical joints.

Wind Power
- Turbine fastening applications from blade through nacelle and tower to foundation studs.

Power Plants
- Gas turbine rotors
- Power shaft couplings.

The ZUTP-1500 pump is rugged, lightweight, compact for tight openings, and delivers hassle-free operation of bolt tensioning in remote locations with up to two times the speed of competitive pumps.
ZUTP-Tensioning Pumps
The ZUTP-Series of pumps achieve high pressure without the need for an intensifier. This allows for low maintenance, resulting in less cost for the end-user.

Solenoid Valve
The ZUTP1500-S Series with pendant-operated solenoid valve is ideal for multiple bolt tensioning applications as it allows for single-person operation. The operator can pressurize and depressurize the tensioner directly from the pendant.

1500 bar HIGH PRESSURE PUMP

<table>
<thead>
<tr>
<th>Pump Type</th>
<th>Useable Oil Capacity (litres)</th>
<th>Valve Type</th>
<th>Model Number</th>
<th>Pressure Rating (bar)</th>
<th>Output Flow Rate at 0 bar (l/min)</th>
<th>Output Flow Rate at 1500 bar (l/min)</th>
<th>Motor Size (kW)</th>
<th>Sound Level (dBA) (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Two speed</td>
<td>4,0</td>
<td>Solenoid</td>
<td>ZUTP-1500SB</td>
<td>1500</td>
<td>3,80</td>
<td>0,33</td>
<td>1,25</td>
<td>89</td>
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<td>ZUTP-1500SE i)</td>
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<td>ZUTP-1500SI i)</td>
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<td>Two speed</td>
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<td>Solenoid</td>
<td>ZUTP-1500SB-H i)</td>
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<td>3,80</td>
<td>0,33</td>
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</tbody>
</table>

1) All models meet CE safety requirements and all TÜV requirements.
2) European plug and CE EMC directive compliant.

Ultra-high pressure
This pump operates at ultra-high pressure, use only the specified fittings and hoses designed for these pressures.

ZUTP-S Series
Reservoir Capacity:
4,0 litres
Flow at Rated Pressure:
0,33 l/min
Motor Size:
1,25 kW
Maximum Operating Pressure:
1500 bar

1500 bar 1/4" BSMR 120º Cone
1500 bar COUPLERS

<table>
<thead>
<tr>
<th>Description</th>
<th>Complete Set</th>
<th>Female Half</th>
<th>Male Half</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quick Disconnect Coupler*</td>
<td>B-150</td>
<td>BR-150</td>
<td>BH-150</td>
</tr>
<tr>
<td>Quick Disconnect Coupler and Adaptor Kit*</td>
<td>BW-150AW</td>
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</tr>
<tr>
<td>Quick Disconnect Blanking Coupler Set*</td>
<td>B-150B</td>
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</tbody>
</table>

* Includes dust caps.

1500 bar HOSES

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Hose End 1</th>
<th>Hose End 2</th>
<th>Length (m)</th>
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</thead>
<tbody>
<tr>
<td>HT-1503</td>
<td>1/4&quot; BSMR</td>
<td>1/4&quot; BSMR</td>
<td>1,0</td>
</tr>
<tr>
<td>HT-1510</td>
<td>1/4&quot; BSMR</td>
<td>1/4&quot; BSMR</td>
<td>3,0</td>
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<tr>
<td>HT-1503HR*</td>
<td>1/4&quot; BSMR</td>
<td>1/4&quot; BSMR</td>
<td>1,0</td>
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<tr>
<td>HT-1510HR*</td>
<td>BH-150</td>
<td>BR-150</td>
<td>3,0</td>
</tr>
</tbody>
</table>

* Includes dust caps.
Enerpac’s comprehensive range of bolting equipment provides precise and effective force to make your work more productive, safer, and easier to perform. The best solutions for controlled tightening, joint integrity and more, available from one source.

Controlled Tightening and Loosening

- Pneumatic and Electric Torque Wrenches
- Hydraulic Torque Wrenches
- Pneumatic Torque Wrench Pumps
- Electric Torque Wrench Pumps
- Manual Torque Multipliers

Tensioning Tools

- Power Generation Bolt Tensioners
- General Purpose Bolt Tensioners
- Electric Tensioning Pumps
- Pneumatic Tensioning Pumps
- High-Pressure Hand Pumps

Joint Assembly & Joint Separation

- Hydraulic Nut Cutters and Nut Splitters
- Step-Type Flange Spreaders
- Flange Alignment Tools
- Pin-Type Flange Spreaders
- Mechanical Flange Face Tool