

# Ultra-High Pressure Hand Pumps

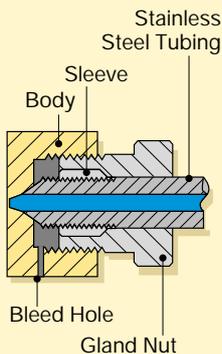
▼ Shown from left to right: 11-100, P-2282



- Two-speed operation on the P-2282 allows for faster fill operation, reducing cycle times for many testing applications
- 303 Stainless steel construction on the 11-100 and 11-400 models enable use with many different fluids, such as distilled water, diesters, silicones, soluble oils and petroleum
- Large release knob for improved control of pressure release
- Outlet ports are 3/4"-16 cone for 2800 bar rating
- 3/8" NPT adaptor (partnr. C898.166) included with P-2282, for applications under 700 bar

### Cone Seal

Stainless Steel High Pressure fittings seal on a 'cone' surface and do not require pipe sealer. The Gland Nut holds the sleeve and tubing tight against the cone surface to provide a 2800 bar seal.



## Ultra-High Pressure up to 2800 bar



### 2-Way Shut-Off Valve 72-750

For 2800 bar applications requiring a shut-off valve or gauge snubber. Made of 318 Stainless Steel and

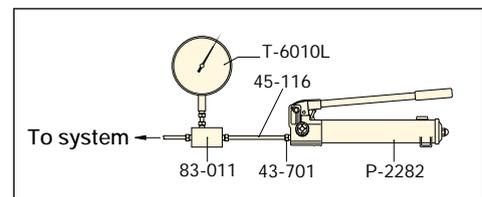
utilizing .38 inch cone fittings, it is the perfect selection for use with your Ultra-High Pressure hand pump.



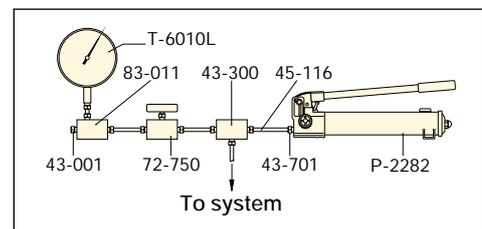
### Test System Gauges

Ideal for monitoring pressure in your hydraulic circuit, Test System Gauges, such as the T6010L, are available with cone threads or NPT threads and a variety of pressure ranges.

Page: 116



▲ Typical Test System



▲ Test System with Gauge Snubber

| Pump Type    | Usable Oil Capacity (cm <sup>3</sup> ) | Model Number | Pressure Rating* (bar) |                       | Oil Displacement per Stroke (cm <sup>3</sup> ) |                       | Max. Handle Effort (kg) |
|--------------|--|--------------|------------------------|-----------------------|--|-----------------------|-------------------------|
|              |  |              | 1 <sup>st</sup> stage  | 2 <sup>nd</sup> stage | 1 <sup>st</sup> stage                          | 2 <sup>nd</sup> stage |                         |
| Two-Speed    | 983                                    | P-2282       | 13                     | 2800                  | 16,22  | 0,61                  | 48,1                    |
| Single-Speed | 737                                    | 11-100       | -                      | 700                   | -  | 2,49                  | 54,4                    |
|              | 737                                    | 11-400       | -                      | 2800                  | -  | 0,62                  | 54,4                    |

\* Contact Enerpac for applications where operating pressure is less than 10% of pressure rating.

# Ultra-High Pressure Hand Pumps

## ▼ Optional Ultra-High Pressure Fittings and Tubings

| Description           | Connection   | Model Nr.                  |
|-----------------------|--|----------------------------|
| <b>2800 bar</b>       |  |                            |
| Gland Nut Plug        | .38" cone  | 43-001                     |
| Elbow                 | .38" cone  | 43-200                     |
| Tee                   | .38" cone  | 43-300                     |
| Gauge Tee             | .38" cone side/<br>.25" cone gauge port  | 43-301                     |
| Gauge Adaptor         | .38" cone side/<br>.25" cone gauge port  | 83-011                     |
| Coupling              | .38" cone  | 43-400                     |
| Cross                 | .38" cone  | 43-600                     |
| Gland Nut with Sleeve | .38" cone  | 43-701                     |
| Tubing                | 100 mm tube, O.D. .38" *<br>200 mm tube, O.D. .38" *<br>300 mm tube, O.D. .38" * | 45-116<br>45-126<br>45-136 |
| <b>700 bar only</b>   |  |                            |
| Adaptor               | .38F cone to 1/4" M NPTF   | 41-146                     |
|                       | .38F cone to 3/8" M NPTF   | 41-166                     |
| Adaptor               | .38F cone to 1/4" F NPTF   | 41-246                     |
|                       | .38F cone to 3/8" F NPTF   | 41-266                     |

Note: .25" cone fittings use 9/16"-18 threads, 3/8" cone fittings use 3/4"-16 threads.

\* Actual tubing lengths are 19 mm less than nominal size shown. These dimensions make distance between centers of valves and fittings multiples of 100 mm spaces.

**P/11 Series**



Reservoir Capacity:

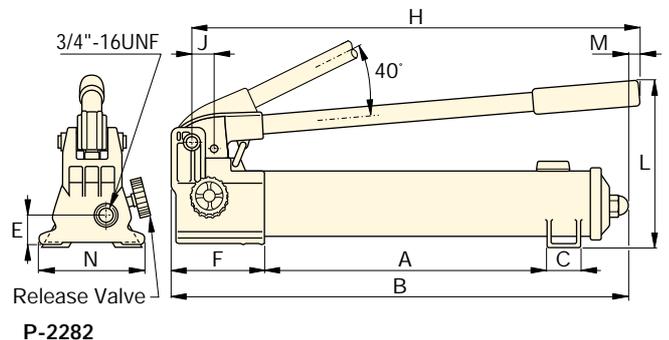
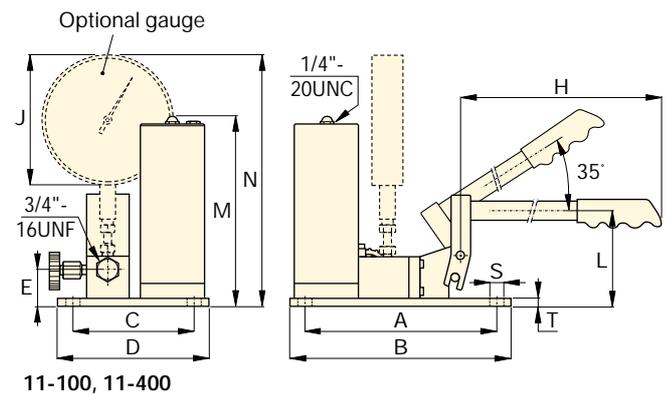
**737-983 cm<sup>3</sup>**

Flow at Rated Pressure:

**0,61-2,49 cm<sup>3</sup>/stroke**

Operating Pressure:

**700-2800 bar**



| Piston Stroke<br>(mm) | Dimensions (mm) |     |     |     |    |     |     |     |     |     |     |   |   | Model Number |        |
|-----------------------|-----------------|-----|-----|-----|----|-----|-----|-----|-----|-----|-----|---|---|--------------|--------|
|                       | A               | B   | C   | D   | E  | F   | H   | J   | L   | M   | N   | S | T |              |        |
| 25,4                  | 344             | 558 | 35  | -   | 31 | 133 | 527 | 29  | 228 | 7   | 120 | - | - | 6,4          | P-2282 |
| 19,8                  | 240             | 266 | 151 | 177 | 45 | -   | 635 | 162 | 114 | 237 | 314 | 7 | 9 | 10,0         | 11-100 |
| 19,8                  | 240             | 266 | 151 | 177 | 45 | -   | 635 | 162 | 114 | 237 | 314 | 7 | 9 | 10,0         | 11-400 |