

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



## Ultra-High Pressure up to 40,000 psi



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

For 40,000 psi 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.



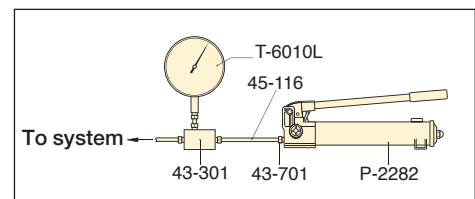
### Test System Gauges

Ideal for monitoring pressure in your hydraulic circuit, Test System Gauges, such as the T-6010L, are available with

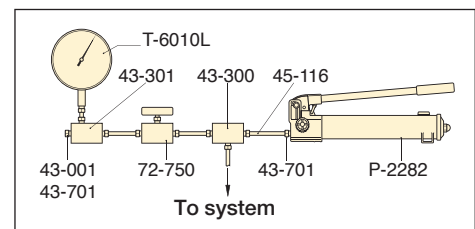
cone threads or NPTF threads and in a variety of pressure ranges.

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- Two-speed operation on the P-2282 allows for faster fill, 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, alcohol, diesters, silicones, soluble oils and petroleum
- Large release knob for improved control of pressure release
- Outlet ports are 3/4"-16 cone for 40,000 psi rating



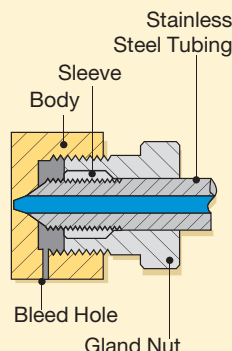
▲ Typical Test System



▲ Test System with Gauge and Snubber

### 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 40,000 psi seal.










Pump Type	Usable Oil Capacity (in <sup>3</sup> )	Model Number	Pressure Rating* (psi)		Oil Displacement per Stroke (in <sup>3</sup> )		Max. Handle Effort (lbs)
			1st stage	2nd stage	1st stage	2nd stage	
Two-speed	60	P-2282	200	40,000	.99	.037	106
Single-speed	45	11-100	N/C	10,000	N/C	.152	120
	45	11-400	N/C	40,000	N/C	.038	120

\* 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 Tubing

Description	Connection	Model No.
<b>40,000 psi</b>		
Gland Nut Plug	 .38" cone	43-001
Elbow	 .38" cone	43-200
Tee	 .38" cone	43-300
Gauge Tee	 .38" cone side/ .25" cone gauge port	43-301
Gauge Adaptor	 .38" cone side/ .25" cone gauge port	83-011
Coupling	 .38" cone	43-400
Cross	 .38" cone	43-600
Gland Nut with Sleeve	 .38" cone	43-701
Gauge Connector	 .25" cone	43-704
Tubing	 4" tube, O.D. .38" * 8" tube, O.D. .38" * 12" tube, O.D. .38" *	45-116 45-126 45-136
<b>! WARNING: Maximum working pressure: 10,000 psi only</b>		
Adaptor	 .38" F cone to 1/4" M NPTF .38" F cone to 3/8" M NPTF	41-146 41-166
Adaptor	 .38" F cone to 1/4" F NPTF .38" F cone to 3/8" F NPTF	41-246 41-266
Adaptor	 .38" M cone to 3/8" F NPTF	41-366

Note: .25" cone fittings use 1/16"-18 threads, 3/8" cone fittings use 1/4"-16 threads.

\* Actual tubing lengths are .75" less than nominal size shown. These dimensions make distance between centers of valves and fittings multiples of 4" spaces.

## P/11 Series



Reservoir Capacity:

**45-60 in<sup>3</sup>**

Flow at Rated Pressure:

**.037-.152 in<sup>3</sup>/stroke**

Maximum Operating Pressure:

**10,000-40,000 psi**



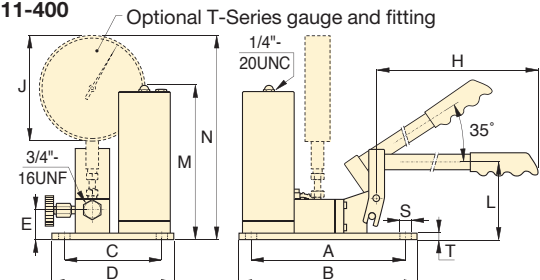
### Stainless Steel Construction

Ultra-high Pressure Fittings feature all stainless steel construction except adaptor 41-366, which features nickel plated carbon steel construction.



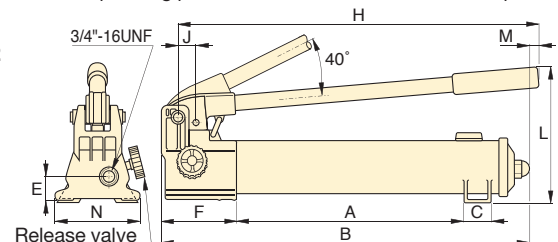
**Ultra-High Pressure pumps DO NOT have an internal safety pressure relief valve.**

11-100\*, 11-400



\*NOTE: Maximum operating pressure for model 11-100 is 10,000 psi.

P-2282



Piston Stroke	Dimensions (in)														Weight (lbs)	Model Number
	(in)	A	B	C	D	E	F	H	J	L	M	N	S	T		
1.00	1.00	13.56	22.00	1.40	—	1.24	5.25	20.75	1.16	9.00	.28	4.74	—	—	14	P-2282
.78	.78	9.45	10.50	5.98	7.00	1.77	—	25.00	6.41	4.50	9.33	12.38	.31	.37	22	11-100
.78	.78	9.45	10.50	5.98	7.00	1.77	—	25.00	6.41	4.50	9.33	12.38	.31	.37	22	11-400