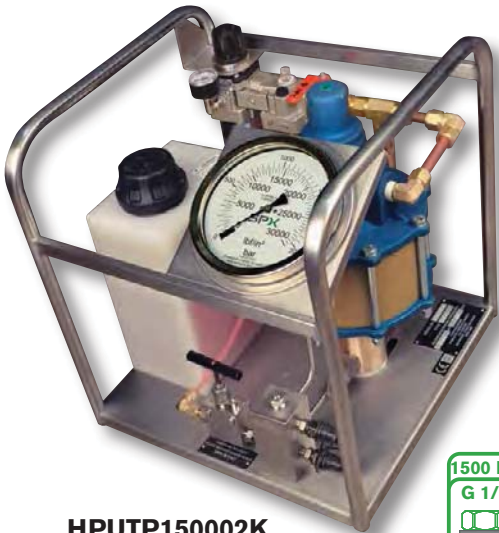


# HIGH FLOW & SUBSEA TENSIONER PUMP

HPUTP-2

1,500 bar/21,750 psi



HPUTP150002K



## 1,500 BAR (21,750 PSI) SUBSEA & LARGE TENSIONER APPLICATIONS

High flow tension pump. Corrosion resistant frame works well for applications near salt water. High flow ideal for subsea applications where compressed air is the required power source.

### Quality means Lower Life-Cycle Costs:

- Over 100,000 cycles
- Continuous duty up to 50°C (122°F) ambient
- Proven design = Proven reliability

### Enhanced Usability:

- Calibrated 150 mm (6") Pressure Gauge
- Dual oil outlets with quick-connect, no spill couplings
- Pneumatic Filter/Regulator/Lubricator included
- Stainless Steel carrying frame

### Designed with Safety in Mind:

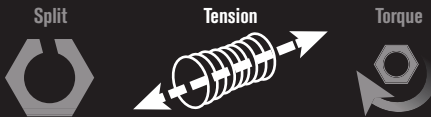
- Easily adjusted pressure regulator valve
- Air pressure safety relief valve

### DESIGNED FOR



MAINTENANCE & REPAIR

ORIGINAL INSTALL



Max Flow



## Specifications and Dimensional Data

**Size (L x W x H):** 46 cm x 53 cm x 52 cm  
17.9" x 20.8" x 15.3"

**Weight:** 23 kg (51 lb) [without oil]

**Maximum Oil Capacity:** (vented reservoir)  
9.5 L (2.5 Gallons) [to fill line]  
9.4 L (x2.5 Gallons) [usable]

**Operating Environment:** -25°C to +50°C  
(-13°F to +122°F)

(When operating near temperature extremes, it is recommended to use hydraulic oils that are rated for those temperatures. Refer to service manuals and cooling options)

**Sound Level:** 85 dBA (max)

**Pressure:** 0 - 1,500 bar (0 - 21,750 psi)

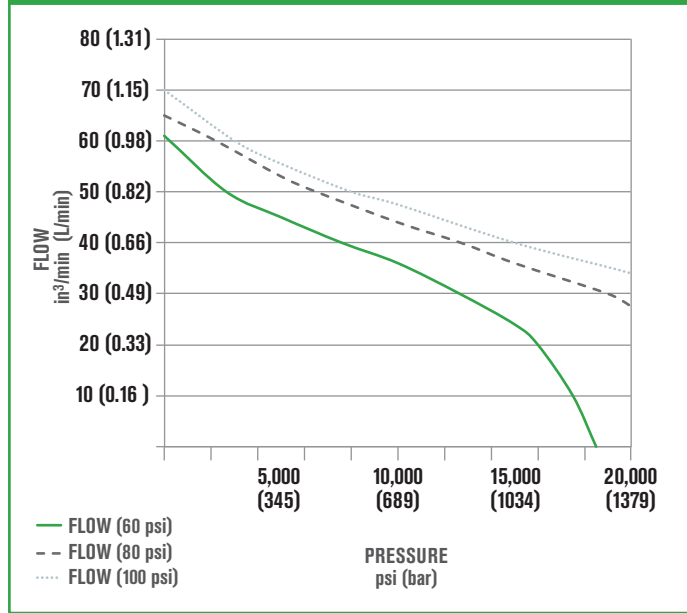
**Typical Flow:** 1.15 L/min - 0.50 L/min  
(70 in<sup>3</sup>/min - 31 in<sup>3</sup>/min)

**Air:** 1.42 m<sup>3</sup>/min @ 5.5 bar (52 cfm @ 80 psi)  
1.53 m<sup>3</sup>/min @ 6.2 bar (54 cfm @ 90 psi)  
1.60 m<sup>3</sup>/min @ 6.9 bar (56 cfm @ 100 psi)

\* Values shown are with filter/regulator/lubricator.  
Values will increase without filter/regulator/  
lubricator.



### Typical Flow Curve



### Hydraulic Oil Delivery

	@ 6.9 bar @ 100 psi	@ 5.5 bar @ 80 psi	@ 4.1 bar @ 60 psi
<b>750 psi</b> (51 bar)	68 in <sup>3</sup> /min (1.11 L/min)	63 in <sup>3</sup> /min (1.04 L/min)	59 in <sup>3</sup> /min (0.97 L/min)
<b>2,500 psi</b> (175 bar)	63 in <sup>3</sup> /min (1.03 L/min)	59 in <sup>3</sup> /min (0.97 L/min)	53 in <sup>3</sup> /min (0.87 L/min)
<b>5,000 psi</b> (350 bar)	56 in <sup>3</sup> /min (0.91 L/min)	53 in <sup>3</sup> /min (0.87 L/min)	45 in <sup>3</sup> /min (0.74 L/min)
<b>10,000 psi</b> (689 bar)	48 in <sup>3</sup> /min (0.78 L/min)	44 in <sup>3</sup> /min (0.72 L/min)	36 in <sup>3</sup> /min (0.59 L/min)
<b>15,000 psi</b> (1,000 bar)	40 in <sup>3</sup> /min (0.66 L/min)	36 in <sup>3</sup> /min (0.59 L/min)	24 in <sup>3</sup> /min (0.39 L/min)
<b>21,750 psi</b> (1,500 bar)	31 in <sup>3</sup> /min (0.51 L/min)	-	-

### Ordering Information

Order No.	Description
<b>HPUTP150002K</b>	1,500 Bar High Flow Tensioner Pump