

# STANDARD FLOW TENSIONER PUMP

HPUTP-1

1,500 bar/21,750 psi



HPUTP150001K



# 1,500 BAR (21,750 PSI) TOPSIDE BOLT TENSIONER & HYDRAULIC NUT PUMP

Standard flow tension pump. Corrosion resistant frame works well for applications near salt water. Standard flow ideal for land based (topside) tension applications where the required power source is compressed air.

### 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

Electric



Air



Gas



Hand



MAINTENANCE & REPAIR

ORIGINAL INSTALL

Split



Tension



Torque



Max Flow



## Specifications and Dimensional Data

**Size (L x W x H):** 42 cm x 42 cm x 39 cm  
16.5" x 16.5" x 15.5"

**Weight:** 21 kg (46 lb) [without oil]

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

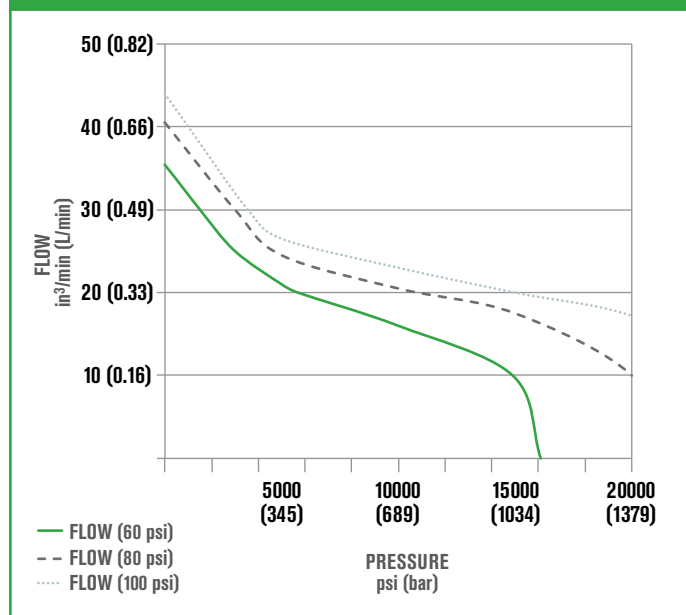
**Typical Flow:** 0.72 L/min - 0.28 L/min  
(44 in<sup>3</sup>/min - 17 in<sup>3</sup>/min)

**Air:** 0.68 m<sup>3</sup>/min @ 5.5 bar (24 cfm @ 80 psi)  
0.74 m<sup>3</sup>/min @ 6.2 bar (26 cfm @ 90 psi)  
0.80 m<sup>3</sup>/min @ 6.9 bar (28 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>51 bar (750 psi)</b>	0.67 L/min (41 in <sup>3</sup> /min)	0.62 L/min (38 in <sup>3</sup> /min)	0.54 L/min (33 in <sup>3</sup> /min)
<b>175 bar (2,500 psi)</b>	0.57 L/min (35 in <sup>3</sup> /min)	0.54 L/min (33 in <sup>3</sup> /min)	0.44 L/min (27 in <sup>3</sup> /min)
<b>350 bar (5,000 psi)</b>	0.44 L/min (27 in <sup>3</sup> /min)	0.40 L/min (25 in <sup>3</sup> /min)	0.34 L/min (21 in <sup>3</sup> /min)
<b>689 bar (10,000 psi)</b>	0.38 L/min (23 in <sup>3</sup> /min)	0.34 L/min (21 in <sup>3</sup> /min)	0.26 L/min (16 in <sup>3</sup> /min)
<b>1,000 bar (15,000 psi)</b>	0.33 L/min (20 in <sup>3</sup> /min)	0.29 L/min (18 in <sup>3</sup> /min)	0.15 L/min (9 in <sup>3</sup> /min)
<b>1,500 bar (21,750 psi)</b>	0.24 L/min (15 in <sup>3</sup> /min)	-	-

### Ordering Information

Order No.	Description
<b>HPUTP150001K</b>	1,500 Bar (21,750 psi) Standard Flow Tensioner Pump