

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



MAINTENANCE
& REPAIR

ORIGINAL
INSTALL



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)

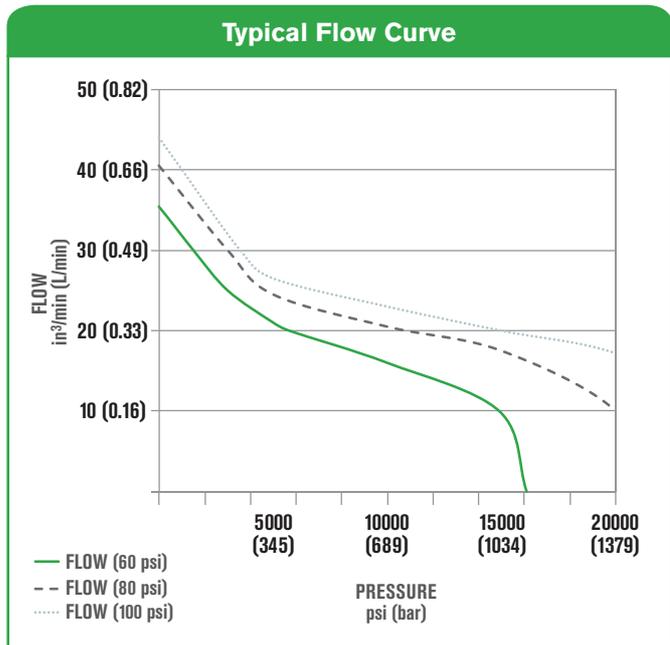
Sound Level: 85 dBA (max)

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

Typical Flow: 0.72 L/min - 0.28 L/min
(44 in³/min - 17 in³/min)

Air: 0.68 m³/min @ 5.5 bar (24 cfm @ 80 psi)
0.74 m³/min @ 6.2 bar (26 cfm @ 90 psi)
0.80 m³/min @ 6.9 bar (28 cfm @ 100 psi)

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



Hydraulic Oil Delivery

| | @ 6.9 bar @ 100 psi | @ 5.5 bar @ 80 psi | @ 4.1 bar @ 60 psi |
|---------------------------|---|---|---|
| 750 psi (51 bar) | 41 in ³ /min (0.67 L/min) | 38 in ³ /min (0.62 L/min) | 33 in ³ /min (0.54 L/min) |
| 2,500 psi (175 bar) | 35 in ³ /min (0.57 L/min) | 33 in ³ /min (0.54 L/min) | 27 in ³ /min (0.44 L/min) |
| 5,000 psi (350 bar) | 27 in ³ /min (0.44 L/min) | 25 in ³ /min (0.40 L/min) | 21 in ³ /min (0.34 L/min) |
| 10,000 psi (689 bar) | 23 in ³ /min (0.38 L/min) | 21 in ³ /min (0.34 L/min) | 16 in ³ /min (0.26 L/min) |
| 15,000 psi (1,000 bar) | 20 in ³ /min (0.33 L/min) | 18 in ³ /min (0.29 L/min) | 9 in ³ /min (0.15 L/min) |
| 21,750 psi (1,500 bar) | 15 in ³ /min (0.24 L/min) | - | - |

Ordering Information

| Order No. | Description |
|---------------------|--|
| HPUTP150001K | 1,500 Bar Standard Flow Tensioner Pump |