

TENTEC TENSIONER HYDRAULIC ANCILLARY EQUIPMENT

The worldwide standard for bolt tensioner
ancillary equipment



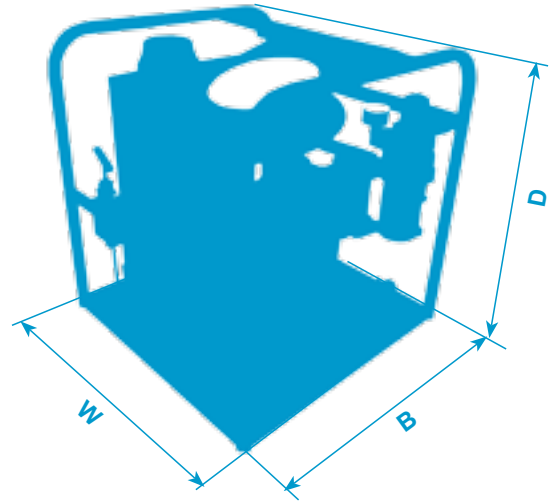
Atlas Copco



TENTEC TENSIONER HYDRAULIC ANCILLARY EQUIPMENT

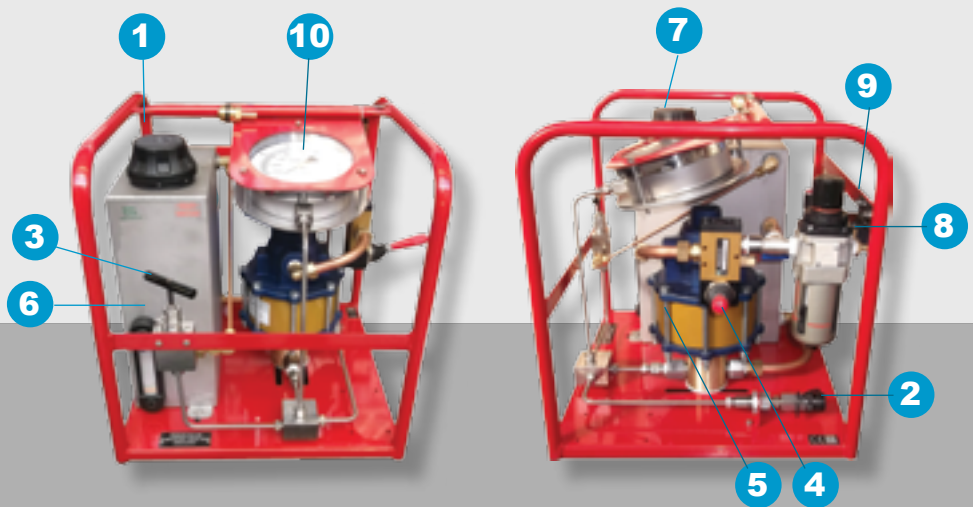
Tentec Air Driven Pump Unit

Tentec air operated tensioner pump units are designed and constructed to be fail safe, user friendly, lightweight and compact. They work on a simple but efficient principle, power is magnified through differential piston areas. A large pneumatic piston drives a smaller hydraulic piston, which provides fluid flow at high pressure. Pump assemblies can be supplied in many combinations, a choice of air motors and pressure gauges are available to ensure that the correct assembly is specified to meet the bolt tensioning requirements.



Part Identifier

- 1 - Frame
- 2 - Oil outlet, female coupling
- 3 - Pressure release valve
- 4 - Safety On/Off Valve
- 5 - Pump unit
- 6 - Oil reservoir
- 7 - Filler cap
- 8 - Air Inlet
- 9 - Air pressure gauge
- 10 - Pressure Gauge



Recommended Oil

ISO Grade 10, 32 and 68
Example: Shell Morlina oil 10

Model	Max Working Pressure		Model Ratio	Hydraulic Piston Diameter		Hydraulic Piston Area		Volume per Stroke		Gauge Model	Air Consumption	Weight (Empty)	W	B	D	Reservoir Capacity
	bar	psi		mm	In	mm ²	In ²	mm ³	In ³							
HTT.6271	1500	21750	440	6.35	0.25	31.61	0.049	999.6	0.061	0-25000	28	23	42	42	46	9
HTT.6272	2275	33000	440	6.35	0.25	31.61	0.049	999.6	0.061	0-40000	28	23	42	42	46	9
Hi-Flow HTT.6978	1500	21750	330	9.52	0.375	70.96	0.11	4506.4	0.275	0-25000	56	25	42	42	60	9
Hi-Flow HTT.9384	2275	33000	330	9.52	0.375	70.96	0.11	4506.4	0.275	0-40000	56	25	42	42	60	9

Model	Air Pressure (psi)									
	10	20	30	40	50	60	70	80	90	100
HTT.6271	5000	8000	12500	16500	21000	25500	30000	34000	38000	42500
HTT.6272	5000	8000	12500	16500	21000	25500	30000	34000	38000	42500
Hi-Flow HTT.6978	3000	6000	9500	12600	16000	19100	22300	25600	29000	32300
Hi-Flow HTT.9384	3000	6000	9500	12600	16000	19100	22300	25600	29000	32300
	Output Pressure psi									

Safety On/Off Valve

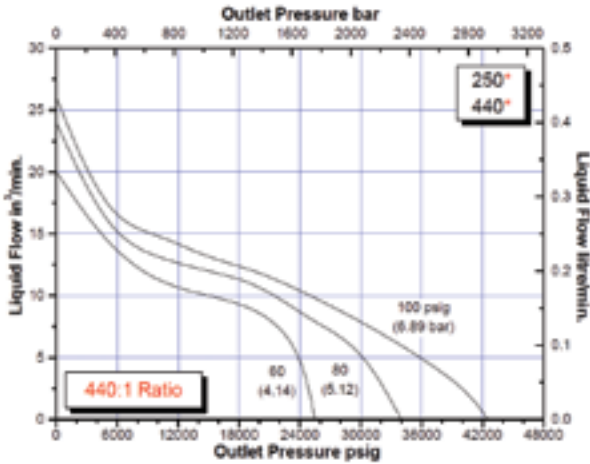
The pump unit is fitted with a safety on off valve. The spring loaded valve defaults to off when the valve handle is untouched. Holding the valve handle in the down position turns the pump On. Releasing the handle turns the pump off.



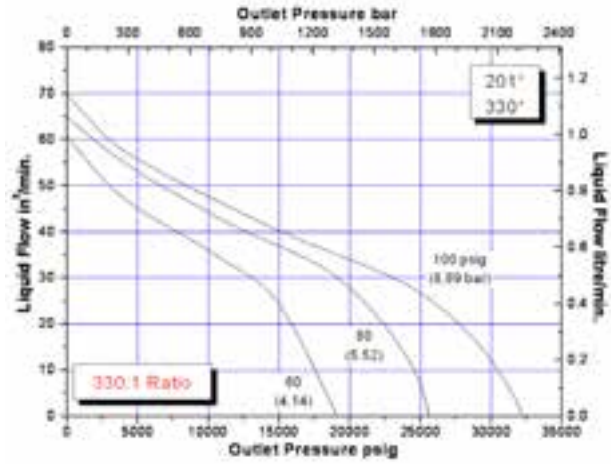
Designs and specifications are subject to change without notice or obligation. Read all safety instructions in the manual before usage.

Approximate Rate of Discharge

Model: HTT.6271 & HTT.6272



Model: HTT.6978 & HTT.9384



Tentec Hand Operated Pump Unit

- Light weight and compact design
- Two speed operation reduces handle strokes by as much as 75% over single speed pumps.
- Lower Handle effort to minimize operator fatigue
- Handle Lock and light weight construction for easy handling
- Large oil capacity to power a wide range of bolt tensioners.
- Fitted with compact pressure Gauge.
- Fitted with Quick Release Female Connection



Model Number	Max Working Pressure	Tank Capacity	Displacement per Stroke.		Effort	Length	Height	Width
	Bar		L	Low Pressure				
HTT.2065	1500	1.5	12.5	0.75	380	600	170	170
HTT.2122	2275	2	20	1	380	680	190	225

BOLT TIGHTENING SOLUTIONS

We have many years experience of designing bespoke bolt tensioning tools for instances where standard tools are not suitable. Contact us for more information



Manual pressure release valve



High pressure gauge



Hand Pump is fitted with an high pressure female coupling



Portable design

Tentec Hydraulic Link Hose

The Tentec Link Hose system is the quick and easy way to connect multiple or single bolt tensioning tools to a power pack pump. The high quality flexible hose is fitted with suitable male and female quick release hydraulic connections that makes linking bolt tensioning tools a very rapid and intuitive task. Tentec Link Hoses are supplied in 1m, 1.3m, 1.5m, 2m, 2.5m & 3m lengths. Other lengths are available on request.

Features:

- High pressure rating*
- Compact design*
- Unique patented sealing design*
- Non-Drip on connection and disconnection*
- Dust caps included as standard*

1500bar Hydraulic Link Hose



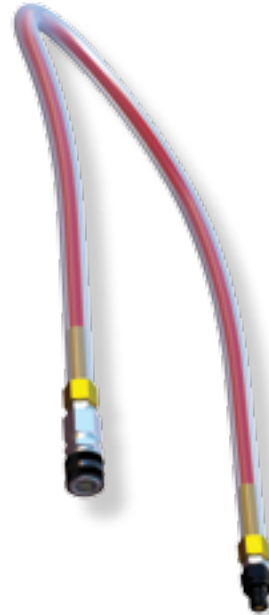
Quick Release End Connections

Nominal flow dia.: 2.5 mm - 3/32"
 Working pressure: 21750 PSI (1500 bar)
 Connections: Female/male thread, with adapter
 Material: Coupling: Black zinc plated steel
 Nipple: Black zinc plated steel

Hose Specification

Working pressure: 21750 PSI (1500 bar)
 Connections: Female thread swivel 1/4"BSP
 Material: Four spiral layers of maximum tensile steel wire.
 Cover: Polyamide, Blue
 Min Bend Radius: 155mm
 Temperature Range: -10°C to +70°C for water

2275bar Hydraulic Link Hose



Quick Release End Connections

Nominal flow dia.: 2.5 mm - 3/32"
 Working pressure: 33000 PSI - 2275 bar
 Connections: Female thread /male thread, with adapter
 Material: Coupling: Black zinc plated steel
 Nipple: Black zinc plated steel

Hose Specification

Working pressure: 33000 PSI (2275 bar)
 Connections: Female thread swivel 1/4"BSP
 Material: Six spiral layers of maximum tensile steel wire.
 Cover: Polyamide, Red
 Min Bend Radius: 175mm
 Temperature Range: -10°C to +70°C for water

COMMITTED TO SUSTAINABLE PRODUCTIVITY

www.bolttighteningsolutions.com

Atlas Copco