

HTWP | TORQUE WRENCH PUMPS - STANDARD LINE

Working pressure 700 bar
Two stage operation
Air or electric driven options



- Compatible for use with TWS-N and TWH-N series hydraulic torque wrenches
- Two stage operation with low pressure flow rate of up to 6.1 litres per minute
- Integral oil cooling system in air driven models

Model	Power supply	Motor rating (kW)	Displacement (litres/minute)	
			low pressure	high pressure
HTWP2140P	7 bar Air	1.5	6.1	0.51
HTWP2142AR	230 volt	0.75	3.7	0.34

TPA | AIR DRIVEN TORQUE WRENCH PUMPS - PREMIUM LINE

Working pressure 700 bar
High flow 3-stage pump unit
Compact and lightweight



- Low noise operation (<90 db)
- Supplied fitted with one set of quick connect couplers
- Exhaust air radiator cooling system fitted as standard

Model	Pressure gauge	Oil capacity (litres)	Flow rate (litres/minute)		
			1st stage (0-65 bar)	2nd stage (65-325 bar)	3rd stage (325-700 bar)
TPA07Aanalogue	7	7	7	1.6	0.8
TPA07D	digital	7	7	1.6	0.8

TPE | ELECTRIC DRIVEN TORQUE WRENCH PUMPS - PREMIUM LINE

Working pressure 700 bar
High flow 3-stage pump unit
Compact and lightweight



- Low noise operation (<88 db)
- Supplied fitted with one set of quick connect couplers
- Automatically activated oil cooling heat exchanger fitted as standard

Model	Pressure gauge	Oil capacity (litres)	Flow rate (litres/minute)		
			1st stage (0-65 bar)	2nd stage (65-325 bar)	3rd stage (325-700 bar)
TPE25A* analogue	7	6.5	1.5	0.75	
TPE25D* digital	7	6.5	1.5	0.75	
TPE45A**analogue	7	6.5	1.5	0.75	
TPE45D** digital	7	6.5	1.5	0.75	

* 230V 1 phase

**400V 3 phase

STS | TOPSIDE BOLT TENSIONERS

Capacities from 234 to 2649 kN
Bolt sizes from ¾" to 4" diameter
Working pressure 1500 bar



- Single acting design with manual piston retraction
- Customised and special design tensioner 4" or M100 are available on request
- Maximum stroke indicator to warn against piston over extension

Model	Bolt thread size		Stroke (mm)	Capacity (kN)
	(Inch)	(mm)		
STS1-LC	¾"-1 ⅛"	M16-M27	10	234
STS2-LC	1 ¼"-1 ½"	M30-M39	15	457
STS3-LC	1 ⅝"-2"	M42-M52	15	822
STS4-LC	1 ⅞"-2 ½"	M48-M64	15	1264
STS5-LC	2 ½"-3"	M64-M76	15	1833
STS6-LC	3"-4"	M76-M100		2649

STU | SUB-SEA BOLT TENSIONERS

Capacities from 256 to 2483 kN
Bolt sizes from 1" to 3 ½" diameter
Maximum working pressure 1500 bar



- Single acting design with manual piston retraction
- Manufactured from high grade alloy steel with added corrosion protection
- Extra-long piston stroke on all models, to save valuable diver time subsea

Model	Bolt thread size		Stroke (mm)	Capacity (kN)
	(Inch)	(mm)		
STU1	1"-1 ⅛"	M24-M27	20	256
STU2	1 ¼"-1 ¾"	M30-M36	30	430
STU3	1 ½"-1 ⅞"	M39-M42	30	553
STU4	1 ¾"-1 ⅞"	M45-M48	30	756
STU5	2"-2 ¼"	M52-M56	30	1168
STU6	2 ½"-2 ¾"	M60-M72	30	1649
STU7	3"-3 ½"	M76-M90	30	2483

BOLT TENSIONER PUMPS

Operates from standard 7 bar air supply
Air consumption up to 56 scfm (1.59 m³/minute)
Working pressure 1500 bar



- Air driven hydraulic bolt tensioner pump
- Lightweight stainless steel protective frame for easy storage and transportation
- Infinitely variable output pressure and flow rate

Model	Max. Pressure (bar)	Usable oil capacity (litres)	Oil flow per stroke (cm³)	Air consumption
AHP275BTU	1500	7.5	1.6	28 scfm
AHP2-237BTU	1500	7.5	6.1	56 scfm