

## ELECTRIC BOLT TENSIONER PUMP PM-EH-1500



The PM-EH-1500 Electric motor with gear pump are designed to provide optimal service with bolt tensioner or hydraulic tools single-acting. Equipped with remote control with 5 m. cable for an easy use, 5 Ltr. tank, electromagnetic level and protective framework it is the ideal tool under all job conditions.

Model	PM-EH-1500	
Maximum pressure 1st stage	bar	150
	psi	2,145
Maximum pressure 2nd stage	bar	1,500
	psi	21,450
Hydraulic flow 1st stage	Lt./min	3
Hydraulic flow 2nd stage	Lt./min	0.7
Power rating and Voltage	kW / V	0.7 / 230 V - 50Hz / single-phase
Speed	rpm	1500
Sound level	dB(A)	80
Electric pump weight	Kg.	42 (with 5 Lt. Reservoir, frame and remote control)

Other Models with higher maximum operating pressures, digital pressure gauges and larger hydraulic reservoir capacities are available as per customer requirements.

### *Technical Features :*

- **Heavy Duty Steel Frame:** Unit is enclosed in heavy duty frame for protection during handling usage and transportation.
- **Calibrated Pressure Gauge:** Calibrated 100mm (4"), liquid filled, 2000 bar rating pressure gauge with dual reading of bar and psi.
- **Ergonomical layout:** Logical layout of equipments and controls ensure easy operation and maintenance.
- **High Flow Rate:** Provides high initial flow rate to ensure faster operation.
- **Remote Control:** Hand haled remote control for easy and safe operation.
- **High Quality Equipments:** Heavy duty cycle comforts for reliability and durability of the unit.

## AIR OPERATED HYDRAULIC BOLT TENSIONER PUMP



Air operated pumps are designed and manufactured to meet the highest technical and safety requirements of high pressure equipment.

Model		PM-AH-1500	PM-AH-2400	PM-AH-3000
Pressure Ratio		261.8	350.0	473.0
Displacement Volume	Cm3	1.74	1.3	0.96
Operating Pressure, Max.	bar	1,571	2,415	3,270
<b>Compressed air supply (air drive)</b>				
System Operating Air Pressure, Max.	bar	6	6.9	6.9
<b>Stainless Steel Tank Capacity</b>				
Oil Tank capacity	litre	5	5	5

Other Models with higher maximum operating pressures, digital pressure gauges and larger hydraulic reservoir capacities are available as per customer requirements.

### Technical Features :

- **Stainless Steel Frame:** The hydraulic unit is installed in a weather proof stainless steel protection frame.
- **Logical Control Panel:** Logical layout design engraved for easy operation.
- **Calibrated Pressure Gauge:** Calibrated 150mm (6"), liquid filled, SS Frame, 2500 bar rating pressure gauge with dual reading of bar and psi.
- **Complete Air System:** System includes FRL Unit, air pressure gauge and control knob for safe air control and supply.
- **Higher Operating Pressure:** Pump has max working pressure of 1500 bar to cover all bolt tensioning applications.
- **Light Weight:** Unit weighs only 25 Kg and measures 400mm x 400mm x 410mm.
- **Quick Connect Outlet:** Pump comes fitted with quick connect outlet for easy connection of hydraulic hose.

## HAND PUMP

### Hand Pump

This hand pump is specially designed for bolt tensioner applications. The pump is compact and light in weight with longer handle needing very little effort to generate max working load. All pumps are supplied with suitable fittings and stainless steel 70mm dia pressure gauge.

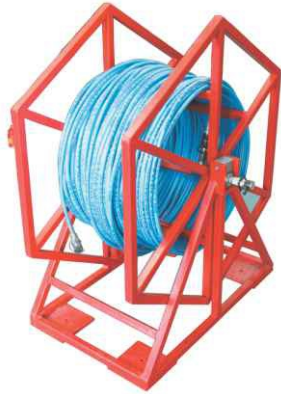


Model No.	Description	Usable Oil Capacity (Liters)	Outlet Coupler	Dimensions			Net Weight Kg.
				Length mm	Width mm	Height mm	
PM-HP-1500	1500 bar Hand Pump c/w 2000 bar gauge	3.0	HCS-150-F	615	200	190	12.0
PM-HP-2000	2000 bar Hand Pump c/w 2500 bar gauge	3.0	HCS-250-F	615	200	190	15.0
PM-HP-2800	2800 bar Hand Pump c/w 3000 bar gauge	3.0	HCS-300-F	615	200	190	15.0

## HIGH PRESSURE ACCESSORIES

### High Pressure Tensioner Hoses :

High Pressure Tensioner Hoses for various tensioning applications are available in different lengths and end-fittings:



Hose Reel



Lead Hose



Connecting Hose

#### Features :

- 4- Ply construction.
- Available in 1.5m, 3m and 5m standard lengths. Other custom built lengths also available.
- Max. Working Pressure : 1800 Bar.
- Burst Pressure : 4500 Bar.
- Min. Bend Radius : 150mm
- All hoses fitted with quick connect Couplings at both ends.
- Working Temperature Range: -30 to 80 Deg C.
- Tensioner Hose Reel of upto 500m single hose for sub sea applications available with required end fittings.

Part No.	OAL Mtr.	QRC
PU-HG-0100	1.0	F x F
PU-HG-0150	1.5	F x F
PU-HG-0150L	1.5	M x F
PU-HG-0300	3.0	F x F
PU-HG-0300-L	3.0	M x F
PU-HG-0500-L	5.0	M x F

### Manifolds, Fittings and Couplings :

Manifolds, Fittings and Couplings of various configurations are available for all tensioning applications:



Couplings



Fittings



Manifolds

#### Features :

- Manifold /Blocks for 1500 working pressure.
- T-Fittings for 1500 Bar working pressure.
- Male / Female Couplings for 1500 and 2500 bar working pressure.
- High Pressure Fittings and Adaptors.

Part No.	Description
HCS-150-F	Coupling, 150 Mpa
HCS-150-M	Nipple, 150 Mpa
HCS-250-F	Coupling, 250 Mpa
HCS-250-F	Nipple, 250 Mpa