

Features

- 1) High torque machine suitable for expanding large diameter and thick wall tubes with easy.
- 2) Best suitable for the tubes in boiler range.
- 3) Very compact hence very easy and comfortable to use inside the boiler drum.
- 4) Silent operation as compared to other pneumatic or Electric expansion system.
- 5) Four different drives to suite the full range of tube in this category.
- 6) All four drive and be used with one single powerpack.
- 7) Rugged –long life – low maintenance.
- 8) Inbuilt Single phase and Phase reverse protection.

Simplified version –Hand set is connected to powerpack with 10 meters control cable.
 Simple circuit yet highly durable.
 All operation are indicated by LED on the front panel of Powerpack.

Wireless Version- All operations are remotely controlled by a wireless remote hand set within a range of 20 meters.
 State of art technology using microcontroller for highly precise and user friendly operation.
 Fully automatic Forward-Trip-Reverse operations.

Full body is power coated and assembled on four wheels for the ease of movement. Easy to move the powerpack on the floor with the help of Handel and wheels.



HEP-500 Simplified



HEP_500 Wireless Controls

	Hydraulic Powerpack Model	
	HEP 500 (Simplified)	HEP 500 (Wireless control)
Control	Wired hand set with 10 meter control cable	Wireless remote controller with 20 meter range
Tank Capacity	45	45
Max Working Pressure	100	100
Voltage Supply	3 phase / 415 Volts	3 phase / 415 Volts
Electric Motor	5 hp . 3 phase	5 hp . 3 phase
Standard hose size	1/2 " x 10 mtrs	1/2 " x 10 mtrs
Hydraulic Oil grade	SAE VG 68	SAE VG 68
Net Weight (kg)	100	100

ACCESSORIES FOR HYDRAULIC EXPANSION SYSTEMS

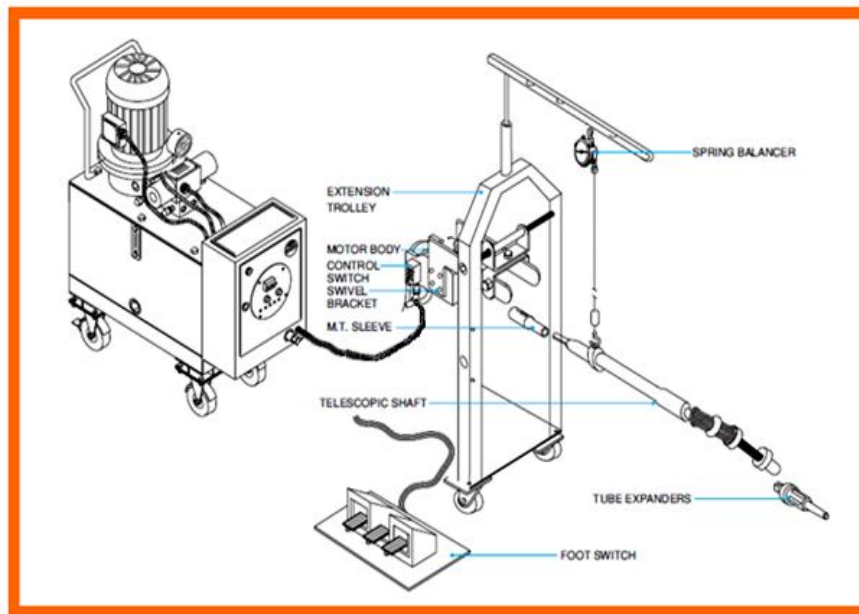


HYDRAULIC DRIVES

Tube Expansion Range				Drive		Drive No Load Speed (RPM)	Drive Weight Kgs.
Steel Tube O.D.		Copper Tube O.D.		Model No.	Square Socket inch	With HEP-300/500/1000	
mm	inch	mm	inch				
15 - 25	5/8 - 1	25 - 38	1-1.1/2	HED-3	3/8	620/954/800	9.6
19 - 38	3/4 - 1.1/2	32 - 64	1.1/4-2.1/2	HED-4	3/8 & 1/2	350/480/400	9.7
38 - 76	1.1/2 - 3	50 - 102	2-4	HED-5	1/2 & 3/4	62/84/70	11.0
50 - 102	2 - 4	-	-	HED-6	3/4 & 1	40/62/54	11.5

Note : Drive supplied with FORWARD, STOP, REVERSE, AUTO BUTTONS, QUICK RELEASE COUPLINGS, SOCKETS and REACTION BAR.
 Powerpack includes 2 hoses each of length 10 meters. If required longer hoses can be supplied.

ACCESSORIES FOR HYDRAULIC EXPANSION SYSTEM.



Extension Trolley-	Optional detachable Trolley suitable for HEP 500, used when the system is intended to be operated with Telescopic Shaft assembly and Foot Switch.
Motor Body –	The steel body which envelops the hydraulic motor.
Control Switch –	Detachable wired or wireless Handset with FWD- STOP- REV Switches to control the drive operation.
Swivel Bracket -	The bracket assembly use to attach the hydraulic drive to the trolley.
MT Sleeve –	The socket to couple the telescopic shaft and hydraulic drive.
Telescopic Shaft –	To be used with the trolley for easy and comfortable operation while expanding tubes.
Foot Switch -	Alternative control switches to control the drive operation if operator intends to operate the drive with foot.
Spring Balancer –	Used to suspend the telescopic shaft to the trolley and counter its weight by spring tension.



HOSE

Model No.	Hydraulic Hose (Qty. x Size x Length) (Mtrs.)
HE/HS/1210/2	2 x 1/2" x 10
HE/HS/5815/2	2 x 5/8" x 15
HE/HS/5820/2	2 x 5/8" x 20
HE/HS/1210/4	4 x 1/2" x 10
HE/HS/5815/4	4 x 5/8" x 15
HE/HS/5820/4	4 x 5/8" x 20



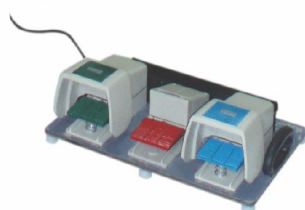
SUPPLY CABLE

Model No.	Supply Cable Length (Mtrs.)
HE/SC/15	15
HE/SC/20	20
HE/SC/25	25



HYDRAULIC DRIVE SOCKET

Model No.	Square Size
HE/DS/38	3/8"
HE/DS/12	1/2"
HE/DS/34	3/4"
HE/DS/1	1"



Model	Description
FS-I	Set of 3 Foot Switches



Model Number	MT Shank	CL mm	EL mm	Handle Length 'H' mm	D mm	For Use with Drive Model	Weight kg	Supplied with Quick Change Chucks and Adapters of Following Sizes
TS-1 E	2 MT	850	1250	200	38.0	MP-2	2.75	3/8", 1/2", 3/4"
TS-2 E	3 MT	1000	1505	225	38.0	MP-3	5.75	1/2", 3/4", 1"
TS-3 E	3 MT	1000	1400	250	51.0	MP-3	9.20	1/2", 3/4", 1"