

Technology, Innovation and
Customer satisfaction - Our Promises



Hydraulic Precast Machinery & Equipment & Other Hydraulic SPM



Single Station Hydraulic Prestressing Unit (Double guide designed Gun) With Digital Force Read Out Meter & Warning Alarm



- Double Guide designed GUN for better strength in guide during working and long life of working
- Push Pull operation by electrical push buttons provided on gun
- Digital meter for force reading in KN and Analogue Pressure Gauge for reading out in Bar
- Auto cut-off of stressing as per set value in Digital meter with the accuracy of 0.99 digit
- All electrical components are inside the cover like motor start-stop, push pull, buzzer & digital meter to read force, MCB, Contactor, Relay SMPS, Transformer etc.
- Transformer for extra safety of SMPS by any Electric imbalance jerks
- Accurate and similar stressing of each wires.
- Easy and accurate inspection of wire tensioning procedure
- Complete power pack on wheels, with hood for covering motor, valves and other all hydraulic and electric parts
- With 10mtr hose pipes and cable including safety cover (conduit) pipe for hose and gun cable
- Easy Handling & Fast Production
- Less Labour
- Available for 5KN to 300KN stressing force
- Capacity from 3mm to 15.2mm steel wire (single/multi strand)

Technical Specification of Single Station Hydraulic Prestressing unit (Double Guide designed Gun) Digital

For Wire Dia.	Max. Stressing Force capacity	Stressing Stroke	Motor Power	Model
3mm/4mm/5mm	21KN	200mm	0.75KW	PSTR-21x1x200-DG
3mm/4mm/5mm	21KN	350mm	0.75KW	PSTR-21x1x350-DG
3mm/4mm/5mm	21KN	450mm	0.75KW	PSTR-21x1x450-DG
3mm/4mm/5mm	21KN	600mm	0.75KW	PSTR-21x1x600-DG
5mm/6.3mm/7mm/8mm	36KN	200mm	1.5KW	PSTR-36x1x200-DG
5mm/6.3mm/7mm/8mm	36KN	350mm	1.5KW	PSTR-36x1x350-DG
5mm/6.3mm/7mm/8mm	36KN	450mm	1.5KW	PSTR-36x1x450-DG
5mm/6.3mm/7mm/8mm	36KN	600mm	1.5KW	PSTR-36x1x600-DG
7mm/8mm	50KN	200mm	1.5KW	PSTR-50x1x200-DG
7mm/8mm	50KN	350mm	1.5KW	PSTR-50x1x350-DG
7mm/8mm	50KN	450mm	1.5KW	PSTR-50x1x450-DG
7mm/8mm	50KN	600mm	1.5KW	PSTR-50x1x600-DG
9.3mm/9.5mm/12.7mm/12.9mm/15.2mm	300KN	200mm	2.2KW	PSTR-300x1x200-DG
9.3mm/9.5mm/12.7mm/12.9mm/15.2mm	300KN	350mm	2.2KW	PSTR-300x1x350-DG
9.3mm/9.5mm/12.7mm/12.9mm/15.2mm	300KN	600mm	2.2KW	PSTR-300x1x600-DG

* Customization of Gun Stroke & Force Capacity is also available.

Single Station Hydraulic Prestressing Unit (Double guide designed Gun) Economic



- With indication of Analogue Pressure
- Push Pull operation by electrical switches on Gun
- Complete powerpack on wheels , With Motor Starter
- High Accuracy in each wire stressing force
- Complete power pack on wheels, with hood for covering motor, valves and other all hydraulic and electric parts
- With 10mtr hose pipes and cable including safety cover (conduit) pipe for hose and gun cable
- Easy Handling & Fast Production
- Less Labour
- Available for 5KN to 300KN stressing force
- Capacity from 3mm to 15.2mm steel wire (single/multi strand)

	Digital Model	Economic Model
Safety cover & Closed Body of Unit	✓	X
Digital PID Controller	✓	X
Auto Cut-off of stressing	✓	X
Stressing Value read out in KN+Kg/cm ²	✓	X only Kg/cm ²
Warning Alarm	✓	X
Portable by Wheels	✓	✓

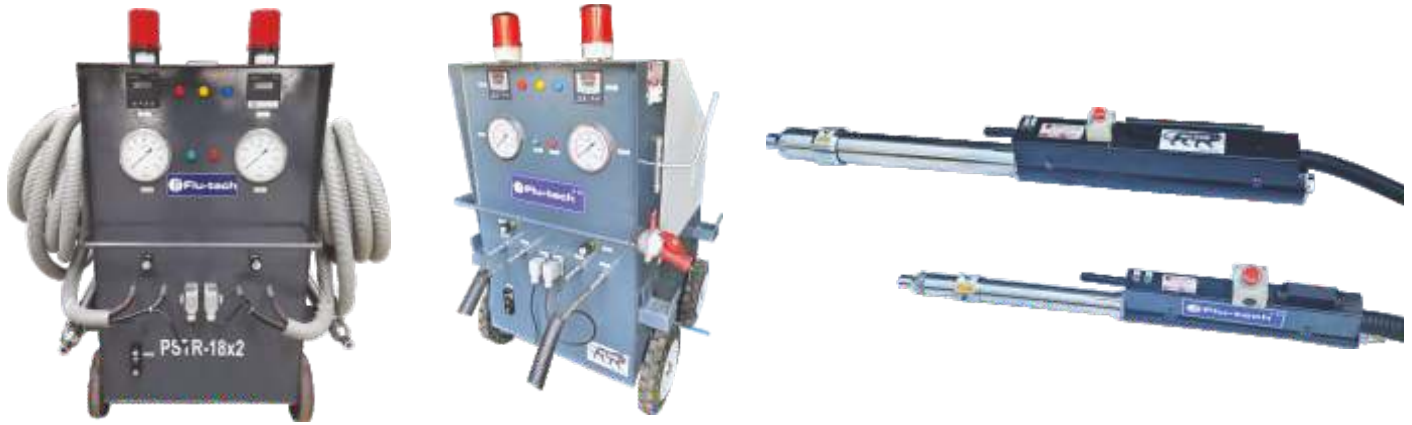
Technical Specification of Single Station Hydraulic Prestressing unit (Double Guide designed Gun) Economic

For Wire Dia.	Max. Stressing Force capacity	Stressing Stroke	Motor Power	Model
3mm/4mm/5mm	21KN	200mm	0.75KW	PSTR-21x1x200-EC
3mm/4mm/5mm	21KN	350mm	0.75KW	PSTR-21x1x350-EC
3mm/4mm/5mm	21KN	450mm	0.75KW	PSTR-21x1x450-EC
3mm/4mm/5mm	21KN	600mm	0.75KW	PSTR-21x1x600-EC
5mm/6.3mm/7mm/8mm	36KN	200mm	1.5KW	PSTR-36x1x200-EC
5mm/6.3mm/7mm/8mm	36KN	350mm	1.5KW	PSTR-36x1x350-EC
5mm/6.3mm/7mm/8mm	36KN	450mm	1.5KW	PSTR-36x1x450-EC
5mm/6.3mm/7mm/8mm	36KN	600mm	1.5KW	PSTR-36x1x600-EC
7mm/8mm	50KN	200mm	1.5KW	PSTR-50x1x200-EC
7mm/8mm	50KN	350mm	1.5KW	PSTR-50x1x350-EC
7mm/8mm	50KN	450mm	1.5KW	PSTR 50x1x450-EC
7mm/8mm	50KN	600mm	1.5KW	PSTR-50x1x600-EC
9.3mm/9.5mm/12.7mm/12.9mm/15.2mm	300KN	200mm	2.2KW	PSTR-300x1x200-EC
9.3mm/9.5mm/12.7mm/12.9mm/15.2mm	300KN	350mm	2.2KW	PSTR-300x1x350-EC
9.3mm/9.5mm/12.7mm/12.9mm/15.2mm	300KN	600mm	2.2KW	PSTR-300x1x600-EC

* Customization of Gun Stroke & Force Capacity is also available.



Double Station Hydraulic Prestressing Unit (Double Guide designed Gun) With Digital Force Read Out Meter & Warning Alarm



- Two Gun Facility - Both guns can be operated simultaneously.
- Double Guide designed GUN for better strength in guide during working and long life of working
- Push Pull operation by electrical push buttons provided on gun
- Digital meter for force reading in KN and Analogue Pressure Gauge for reading out in Bar
- Auto cut-off of stressing as per set value in Digital meter with the accuracy of 0.99 digit
- All electrical components are inside the cover like motor start-stop, push pull, buzzer & digital meter to read force, MCB, Contactor, Relay SMPS, Transformer etc.
- Transformer for extra safety of SMPS by any Electric imbalance jerks
- Accurate and similar stressing of each wires.
- Easy and accurate inspection of wire tensioning procedure
- Complete power pack on wheels, with hood for covering motor, valves and other all hydraulic and electric parts
- Having 10mtr hose pipes and cable including safety cover (conduit) pipe for both Gun's hose and gun cable
- Easy Handling & Fast Production
- Less Labour
- Available for 5KN to 300KN stressing force
- Capacity from 3mm to 15.2mm steel wire (single/multi strand)

Technical Specification of Double Station Hydraulic Prestressing unit (Double Guide designed Gun) Digital

For Wire Dia.	Stressing Stroke	Motor Power	Gun-1	Gun-2	Model
3mm/4mm/5mm	200mm	0.75KW	21KN	21KN	PSTR-21x2x200-DG
3mm/4mm/5mm	350mm	0.75KW	21KN	21KN	PSTR-21x2x350-DG
3mm/4mm/5mm	450mm	0.75KW	21KN	21KN	PSTR-21x2x450-DG
3mm/4mm/5mm	600mm	0.75KW	21KN	21KN	PSTR-21x2x600-DG
5mm/6.3mm/7mm/8mm	200mm	1.5KW	36KN	36KN	PSTR-36x2x200-DG
5mm/6.3mm/7mm/8mm	350mm	1.5KW	36KN	36KN	PSTR-36x2x350-DG
5mm/6.3mm/7mm/8mm	450mm	1.5KW	36KN	36KN	PSTR-36x2x450-DG
5mm/6.3mm/7mm/8mm	600mm	1.5KW	36KN	36KN	PSTR-36x2x600-DG
7mm/8mm	200mm	1.5KW	50KN	50KN	PSTR-50x2x200-DG
7mm/8mm	350mm	1.5KW	50KN	50KN	PSTR-50x2x350-DG
7mm/8mm	450mm	1.5KW	50KN	50KN	PSTR-50x2x450-DG
7mm/8mm	600mm	1.5KW	50KN	50KN	PSTR-50x2x600-DG
9.3mm/9.5mm/12.7mm/12.9mm/15.2mm	200mm	2.2KW	300KN	300KN	PSTR-300x2x200-DG
9.3mm/9.5mm/12.7mm/12.9mm/15.2mm	350mm	2.2KW	300KN	300KN	PSTR-300x2x350-DG
9.3mm/9.5mm/12.7mm/12.9mm/15.2mm	600mm	2.2KW	300KN	300KN	PSTR-300x2x600-DG

* Selection of Both Different Gun options are also available. (For e.g. 21KNx300KN / 21KNx50KN / 36KN X300kn etc.)

* Customization of Gun Stroke & Force Capacity is also available.

Economic Model

Double Station Hydraulic Prestressing Unit (Single / Double Guide designed Gun) Economic



	Digital Model	Economic Model
Safety cover & Closed Body of Unit	✓	X
Digital PID Controller	✓	X
Auto Cut-off of stressing	✓	X
Stressing Value read out in KN+Kg/cm ²	✓	X only Kg/cm ²
Warning Alarm	✓	X
Portable by Wheels	✓	✓

- Two Gun Facility - Both guns can be operated simultaneously.
- Single Guided small designed economic GUN.
- Push Pull operation by electric separate remote
- Analogue Pressure Gauge for hydraulic pressure read out in BAR .
- Motor starter provided on tank top plate.
- Complete power pack on wheels with motor, valves and other all hydraulic and electric parts
- Having 10mtr hose pipes and cable including safety cover (conduit) pipe for both Gun.
- Easy Handling & Fast Production
- Less Labour
- Available for 5KN to 300KN stressing force
- Capacity from 3mm to 15.2mm steel wire (single/multi strand)

Technical Specification of Double Station Hydraulic Prestressing unit (Single Guide designed Gun) Economic

For Wire Dia.	Max. Stressing Force Capacity	Stressing Stroke	Motor Power	Gun-1	Gun-2	Model
3mm/4mm/5mm	11KN	75mm	0.75KW	21KN	21KN	PSTR-11x2x75-EC
3mm/4mm/5mm	11KN	150mm	0.75KW	21KN	21KN	PSTR-11x2x150-EC
3mm/4mm/5mm	18KN	200mm	0.75KW	21KN	21KN	PSTR-18x2x200-EC
3mm/4mm/5mm	18KN	350mm	0.75KW	21KN	21KN	PSTR-18x2x350-EC
5mm/6.3mm/7mm/8mm	50KN	200mm	1.5KW	50KN	50KN	PSTR-50x2x200-EC
5mm/6.3mm/7mm/8mm	50KN	350mm	1.5KW	50KN	50KN	PSTR-50x2x350-EC
7mm/8mm/9.3mm/9.5mm	130KN	200mm	2.5KW	130KN	130KN	PSTR-130x2x200-EC
7mm/8mm/9.3mm/9.5mm	130KN	350mm	2.5KW	130KN	130KN	PSTR-130x2x350-EC
12.7mm/12.9mm/15.2mm	130KN	200mm	2.5KW	130KN	130KN	PSTR-130x2x200-EC
12.7mm/12.9mm/15.2mm	130KN	350mm	2.5KW	130KN	130KN	PSTR-130x2x350-EC

* Selection of Both Different Gun options are also available. (For e.g. 21KNx130KN / 21KNx50KN / 50KN X300kn etc.)

* Customization of Gun Stroke & Force Capacity is also available.



Mini Hydraulic Prestressing Gun / Jack (Single Guided)



- Mini Hydraulic Prestressing Jack / Gun for Initial wire stressing
- Low Weight
- Easy Handling

Technical Specification of Mini Hydraulic Prestressing Gun / Jack (Single guide designed Gun)

For Wire Dia.	Max. Stressing Force Capacity	Stressing Stroke	Model
3mm/4mm/5mm	11 KN	75mm	G-11x75-E
3mm/4mm/5mm	11 KN	150mm	G-11x150-E
6.3mm/7mm/8mm/12.7mm/12.9mm/15.2mm	130 KN	200mm	G-130x200-E
6.3mm/7mm/8mm/12.7mm/12.9mm/15.2mm	130 KN	300mm	G-130x300-E

* Customization of Gun Stroke & Force Capacity is also available

Hydraulic Multiwire Stressing Units



- Multiwire stressing units for prestressing cum detensioning of multiple wires with the help of Two hydraulic jacks.
- Before cutting the wires after concrete maturity, jacks with movable abutment will go back and it relieves the stresses, so there will be no cracks, creep and jerk effects found on the finished concrete products.
- Fast production
- Customization as per required

For Inquiry – Required Data as mentioned below.

- Wire Dia.
- Total Wire Length Wedges to Wedges.
- Max. Stressing force in KN per wire
- Total Nos. of wire to be stressed



Cradle Type Hydraulic Prestressing Unit (for Concrete Electric poles)



- Hydraulic Cradle type wire tensioning / prestressing unit for 3/4/5mm wire
- Stressing up to 4 wires in one pulling process.
- With Digital force read out meter
- Total unit is on Rail and having big cast iron wheel for the Left and Right movement.
Fast Production, Less wire scrap

* Customization of Stressing Stroke & Force Capacity is also available

Hydraulic De-tensioning Jack and Powerpack



- Hydraulic De-tensioning units uses for Stress releasing / Wire relaxation after Prestressing & Maturity of Concrete before cutting of wires.
- Customization as per required capacity up to 1500 Ton

For Inquiry – Required Data as mentioned below

- Wire Dia.
- Total Wire Length Wedges to Wedges.
- Max. Stressing force in KN per wire

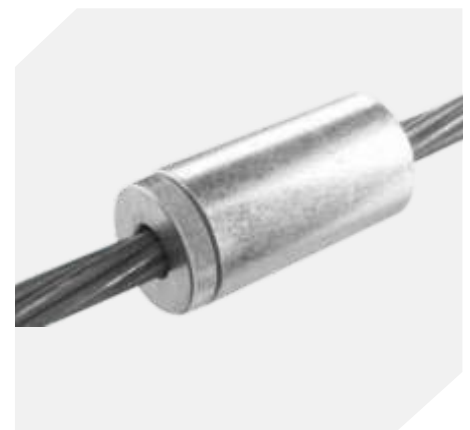


Hydraulic Units For Tilting Tables (with Telescopic Cylinders Or DA Cylinders) - (Hand operated/Remote operated)



- For manufacturing of Precast Concrete walls , Panels & other Special parts etc..
- Hydraulic tilting joints , fixed with tilting tables by Telscopic Cylinders or Double Acting cylinders
- Setting up to 88 degree table
- Avoiding concrete edge failures with best surfaces.
- **Capacity:** width 1.5mtr to 5mtr and length of 6mtr-100mtr at a load per unit 500-1000kg/m2
- Tandom tilting tables available for large casting area up to 100m in length.
- Tilting with Double Acting Hydraulic cylinders are also available.
- Special designs like common power pack for multiple tables with hand/remote operating near to each tables are also in scope of supply.

Barrel & Wedges (Anchor Cones)



- All types of barrel wedges for locking of wires with the abutment.
- Closed and Open, both types -From 3mm to 15.2mm HT wires. (Two Ply & Three Ply / Small & Large)
- Master wedges for Gun are also available.
- Anchor Head / Bearing plates with anchors for Post tensioning process
- Our products range includes Live Wedges, Prestressed Anchor, Prestressing Anchorage Coupling System, Post Tensioning Bridge Anchor System, Anchor Barrels and Wedges, Post Tensioning Products, Prestressed anchor plate anchor wedges with prestressed equipment, trumpet anchorage set, Post Tensioning System, bridges stressing, Pre Stressing Wedges and Barrels, Post Stressing Wedges and Barrels, Anchor Barrel And Wedges, Prestressed & Post Tensioning System, Prestressed Anchor Grips Tool Wedges Grips For PC Strand Tool, Prestressing Anchor And Wedges, Prestressing Barrel And Wedge, prestressing wire Anchor Wedges & Barrels, closed or open type Barrels, Anchor Head Wedges, 3 Part Wedges, 2 Part Wedges, Strand Coupler, Post Tensioning Wedges And Barrels.



Precast Molds & Auxiliaries



3ply HT Wire Opening M/c.



Vibrator Motors



Mixer Machine



All types of Precast Molds for Compound wall / Beam / Panel / Batterly Mold / Duct Drain are also available as per the requirement etc..

Hydraulic units for U-Duct , Battery Mold & Box Culvert Mold





Hydraulic Presses (Multi Purpose)



- All types of Hydraulic Presses for mechanic works including Deep draw press also
- All types of Hydraulic Compression moulding presses for Nylon, Rubber, Bakelite, Malemine, UHMWPE, PTFE(Teflon) materials (Single / Double & Tripple Stations.)

Hydraulic Operated Semi Automatic Dip Moulding Machine (Rotary indexing Type)



Advantages of Dip Moulding

To produce plastic caps or similar products, dip moulding is especially for large volumes, the most interesting technique. This is because:

- Low costs of prototyping (amending the moulds is still easy in this phase)
- Low production costs of the mould, in particular when compared to injection moulding
- Therefore, also of interest for large volumes (serial production)
- Short delivery times (also for follow-up orders)
- Material available in many colours, both gloss and matt
- Stress free (long life)
- High Production at low Investment

Dip Moulding Versus Injection Moulding

When compared to injection moulding, dip moulding is certainly an interesting option. For instance, the start-up costs for dip moulding are many times lower, as only a single-sided mould is required. The start-up costs for your new product are substantially lower, in part because during the pre-production phase, changes can be made at limited additional cost.



Battery-Covers
250x250



Bellows
250x250



Cable-Gland-Shrouds
250x250



Coupler-Covers
250x250



PVC-Dip Moulding Grip
250x250



Vinyl End Caps



Ball Valve Handle Grips



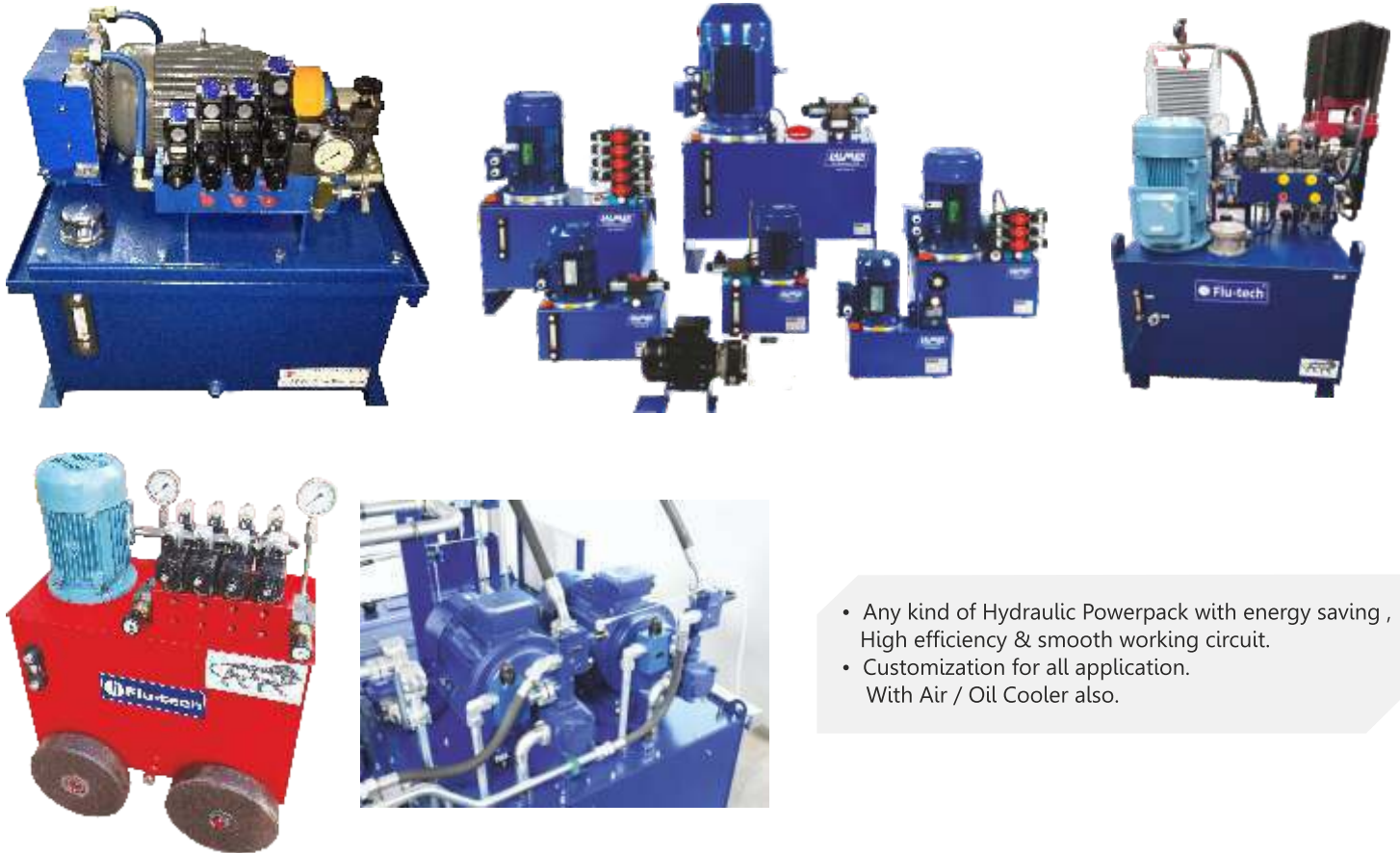
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CSM Forma Product
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Hydraulic Powerpack



- Any kind of Hydraulic Powerpack with energy saving , High efficiency & smooth working circuit.
- Customization for all application.
With Air / Oil Cooler also.

Hydraulic Cylinders



- Any kind of Hydraulic Cylinders (Single Acting / Double Acting / Telescopic)
- Capacity available from bore dia. 20mm to 3000mm
- For All Application
- Hard Chrome or Electroless Nickel Chrome Plated, Ground and super-finished Piston Rods made out of graded alloy steel. Cylindrically post ground for accuracy, for long seal life, Having 60 to 62HRC for damage and corrosion resistance.
- Cylinder pipe materials from alloy forging duly honed finished under 0.4μ RA value for smooth operation of the Cylinder and long seal life.
- The Cylinder assembly complete with Piston seal, wiper seal, wear strips and O' ring to give leak proof operation. All oil seals and O-ring used in cylinder will be of Reputed Make Like PARKER/ HALLITE OR Equivalent

Unbreakable Plastic Water Manifold / water Distributor



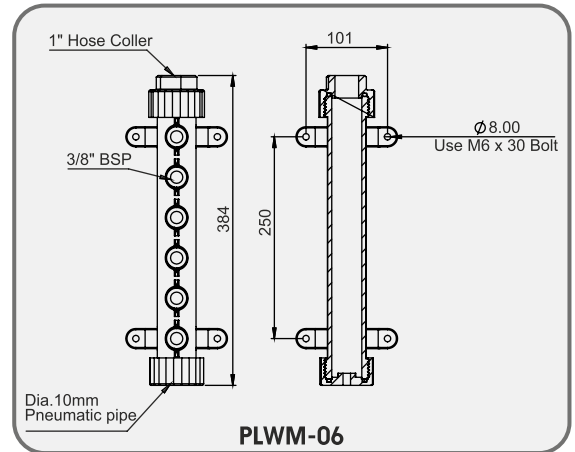
6-CHANNEL

PLWM-06

With 3/8" connection mini ball valve with dia.10mm push connector main inlet and outlet – brass hose collar 1" with pressure gauge and temperature gauge



6 Channel Water Manifold



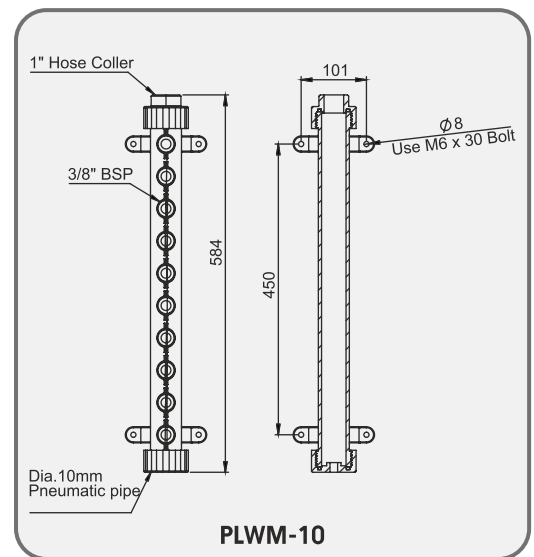
10-CHANNEL

PLWM-10

With 3/8" connection mini ball valve with dia.10mm push connector main inlet and outlet – brass hose collar 1" with pressure gauge and temperature gauge



10 Channel Water Manifold



Area of Application

Plastic Processing Industries | Aluminium Extrusion Industries | Chemical Industries | Pharmaceutical Industries

Features



Corrosion proof



Easy handling and mounting



Easy cleaning from inside



Long durability

New look



Low maintenance

Pressure gauge showing generating pressure in water inlet

Temperature gauge showing outline water temperature



Hydraulic Spares & Accessories



Oil level indicator



Tank Breather



Oil level indicator-Knob type



Tank Breather-Threaded



Suction Strainer



Aluminum Bell Housing



Nylon Gear coupling



Pilot Check Valves



Pressure Relief Valve



Pressure Relief Valve
Cartridge



Gear Pump



Vane Pump



Solenoid Direction
Control Valve



Hand Operated Direction
Control Valve



Mobile Control Valve



Hose Pipes



Oil Cooler



Manifold Blocks



Pipe Clamps



Radial Piston Pump

Our Valuable Client



& Many more



Manufactured by:



Work & Registered Office

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