



first time in india

with





TECHNICAL DATA

- ▶ Maximum Operating Pressure - 10 bar
- ▶ Maximum Fluid Temperature - 70°C
- ▶ Minimum Fluid Temperature - 0°C
- ▶ Maximum Ambient Temperature - 50°C
- ▶ Mains Connection - AC 230 V, 50/60Hz

APPLICATIONS

- ▶ Suitable for Liquid Transfer
- ▶ Fire Fighting Systems
- ▶ Domestic Water Supply
- ▶ Industrial Plants
- ▶ Washing Systems
- ▶ Boiler Feed systems
- ▶ Water Treatment Systems
- ▶ Pressure Boosting Systems

STANDARD FEATURES

- ▶ Highly Reliable
- ▶ Silent Operation
- ▶ Easy to Carry, Install & Operate
- ▶ Stainless Steel Impeller
- ▶ Wetted Parts Made of Stainless Steel
- ▶ Compact Design
- ▶ Wide Performance Range
- ▶ Available with Hydro Pneumatic Tank/Electronic Control for Automatic Operation

MATERIAL OF CONSTRUCTION / SPECIFICATION

- ▶ Pump casing : Stainless Steel
- ▶ Impeller : Stainless Steel
- ▶ Shaft : Stainless Steel
- ▶ Mechanical Seal : Carbon / Ceramic
- ▶ Pressure switch : Danfoss Make or equivalent
- ▶ Pressure Tank : MS Powder Coated

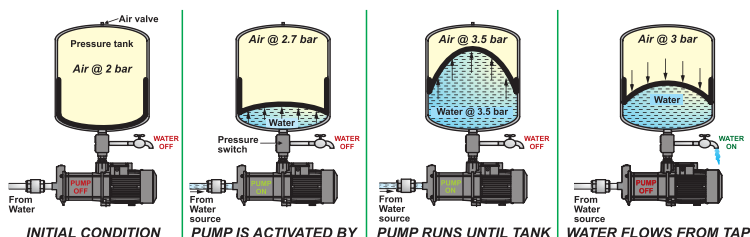
SELECTION TABLE

Pump Model	Motor Rate Power			Connection		Flow Range LPH	Head Range m
	kW	HP	Voltage	Suction	Discharge		
MPST 2.30 - 24LITER TANK	0.37	0.50	230 V, 50 Hz.	1"	1"	3500, 2000, 1000	14, 21, 27
MPST 2.30 - 35LITER TANK	0.37	0.50	230 V, 50 Hz.	1"	1"	3500, 2000, 1000	14, 21, 27
MPST 2.30 - 60LITER TANK	0.37	0.50	230 V, 50 Hz.	1"	1"	3500, 2000, 1000	14, 21, 27
MPST 2.40 - 24LITER TANK	0.55	0.75	230 V, 50 Hz.	1"	1"	3500, 2000, 1000	17, 28, 35
MPST 2.40 - 35LITER TANK	0.55	0.75	230 V, 50 Hz.	1"	1"	3500, 2000, 1000	17, 28, 35
MPST 2.40 - 60LITER TANK	0.55	0.75	230 V, 50 Hz.	1"	1"	3500, 2000, 1000	17, 28, 35
MPST 4.40 - 24LITER TANK	0.75	1.00	230 V, 50 Hz.	1"	1"	7000, 4000, 2000	14, 30, 36
MPST 4.40 - 35LITER TANK	0.75	1.00	230 V, 50 Hz.	1"	1"	7000, 4000, 2000	14, 30, 36
MPST 4.40 - 60LITER TANK	0.75	1.00	230 V, 50 Hz.	1"	1"	7000, 4000, 2000	14, 30, 36
MPST 4.40 - 100LITER TANK	0.75	1.00	230 V, 50 Hz.	1"	1"	7000, 4000, 2000	14, 30, 36
MPST 4.50 - 24LITER TANK	1.00	1.33	230 V, 50 Hz.	1"	1"	7000, 4000, 2000	20, 38, 44
MPST 4.50 - 35LITER TANK	1.00	1.33	230 V, 50 Hz.	1"	1"	7000, 4000, 2000	20, 38, 44
MPST 4.50 - 60LITER TANK	1.00	1.33	230 V, 50 Hz.	1"	1"	7000, 4000, 2000	20, 38, 44
MPST 4.50 - 100LITER TANK	1.00	1.33	230 V, 50 Hz.	1"	1"	7000, 4000, 2000	20, 38, 44
MPST 4.60 - 24LITER TANK	1.10	1.50	230 V, 50 Hz.	1"	1"	7000, 4000, 2000	24, 45, 53
MPST 4.60 - 35LITER TANK	1.10	1.50	230 V, 50 Hz.	1"	1"	7000, 4000, 2000	24, 45, 53
MPST 4.60 - 60LITER TANK	1.10	1.50	230 V, 50 Hz.	1"	1"	7000, 4000, 2000	24, 45, 53
MPST 4.60 - 100 LITER TANK	1.10	1.50	230 V, 50 Hz.	1"	1"	7000, 4000, 2000	24, 45, 53

Technical Specifications of Single Pump Boosters - **MPST** are with fluid control valve and pressure switch

FUNCTION

The booster set cuts in and out by means of the pressure switch. when water is tapped from the system, it will at first be tapped from the pressure tank, see below fig. then the pressure falls to the preset cut-in pressure and the pump will cut in. When the water consumption drops, the discharge pressure increases and the pump cuts out when the pressure reaches the preset cut-out pressure of the pressure switch.



Note : This is a typical pressure booster pump system layout. pressures shown in above figures are approximate.



APPLICATIONS

- ▶ Pressure Boosting
- ▶ Tank Filling
- ▶ Water Transfer
- ▶ Drip Irrigation

RANGE

- ▶ Flow up to 400 m³/hr
- ▶ Head up to 200 m
- ▶ No of Pumps 2 to 4
- ▶ Temperature up to 70° C

MATERIAL OF CONSTRUCTION

- ▶ Pump with SS 304 Internals
- ▶ Base frame and pipework - MS Zinc Coated
- ▶ Other Material of Construction available on request

Eco Green Booster the new generation pressure boosting systems are designed based on state of the art technology offering flexibility to meet all the requirements of pressure boosting in plumbing applications.

The Eco Green Booster systems are specially designed for automatic control of pumps in parallel suitable for fixed speed operation as well as variable speed operation with variable frequency drives for duty and stand by operation.

The Eco Green Booster system is equipped with a PLC based controller with a multicolor, compact screen, user friendly touch screen with HMI (Human Machine Interface). Thus offering a very user friendly controller/input unit for ease of menu navigation and control resulting in simplicity in operation.

PRODUCT/DESIGN FEATURES OF ECO GREEN BOOSTER SERIES :

- ▶ Suitable for Eco Green horizontal and vertical in line Booster Pumps.
- ▶ Door mounted PLC based Premium automatic controller suitable for up to 4 pumps.
- ▶ Maximum Pressure protection in manual mode.
- ▶ True case cascading, alteration and stand by functions.
- ▶ Selectable test run at selected scheduled timings as required.
- ▶ Status of each pump operational data, number of ON/OFF and operating hours.
- ▶ Dry run protection by float switches as standard scope of supply and available in manual mode also.
- ▶ Factory assembled, compact, reliable and tested system.
- ▶ Easy to install, maintain and service locally.
- ▶ Low Noise and Vibration level
- ▶ High operating efficiency



without flomate

with flomate

DEALER

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