

HYDRO SERIES

Pressure Booster System



MH Series



LHP Series



LMF Series



MH 201 / 205

INTRODUCTION

The Lubi **Hydro** series are state-of-the-art designed compact, automatic pressure booster pumps.

Lubi offers below series as pressure booster pump:

1.) "LHP" SERIES PRESSURE BOOSTER PUMP

It consist of our PCJ standard pump series. PCJ pumps are horizontal, single-stage, centrifugal, shallow-well self priming jet pumps. Pumps have suction port above pump axis and radial discharge port. The pump is fitted with a maintenance-free, mechanical shaft seal.

2.) "LMF" SERIES PRESSURE BOOSTER PUMP

It consist of our MFHC standard pump series. MFHC pumps are non-self priming, horizontal, multi-stage, centrifugal pumps. Pumps have suction port above pump axis and radial discharge port. The pump is fitted with a maintenance-free, mechanical shaft seal.

3.) "MH" SERIES PRESSURE BOOSTER PUMP

It consist of our MH standard pump series. MH pumps are non-self priming, horizontal, multi-stage, centrifugal pumps. Pumps have axial suction port and radial discharge port. The pump is fitted with a maintenance-free, mechanical shaft seal.

These systems are supplied as complete, preassembled and factory tested systems including a close-coupled pump, bladder type pressure tank, pressure switch, pressure gauge (or electronic switch), special connector and flexible pipe for systems with pump over the tank.

These systems can provide sufficient water pressure for modern domestic appliances to ensure sufficient water supply. Thus these systems are widely used in domestic water applications to stabilize the pressure in the system and avoid the pump cycling on and off every time a tap is opened somewhere in the house.

These systems can work according to the any decrease or increase of pressure, the pressure switch determines when the pump will start or stop.

FEATURES AND BENEFITS

- ☐ NSF Standard 61, CE/PED, WRAS, ACS, ISO:9001, Gost, Evrazes approved pressure tank
- ☐ Easy installation
- ☐ Reliable and user friendly operation
- ☐ Adjustable pressure
- ☐ Reliable constant pressure water supply
- ☐ Two part polyurethane, epoxy primed paint finish tank
- ☐ Leak free, o-ring sealed air valve cap provided on tank
- ☐ Corrosion resistant
- ☐ Good air handling
- ☐ Reliable and robust construction
- ☐ Low noise level
- ☐ Maintenance free
- ☐ Built-in motor protection.

OPERATING CONDITIONS

Flow range	: Up to 10 m ³ /h
Max. working pressure	: 10 bar
Ambient temperature	: Max. +50°C
Liquid temperature range	: 0°C to +90°C

MOTOR

Motor type	: TEFC 2-pole motor
Ratings	: 1 phase - 0.37 to 1.50 kW
Rated speed	: 2900 rpm
Enclosure class	: IP 44
Insulation class	: F
Nominal voltage	: 1 phase 230 V
(Tolerance +5% / -15%)	
Supply frequency	: 50 Hz
Duty / Rating	: S1 / Continuous
Direction of rotation	: Clockwise as seen from the motor rear end

APPLICATIONS

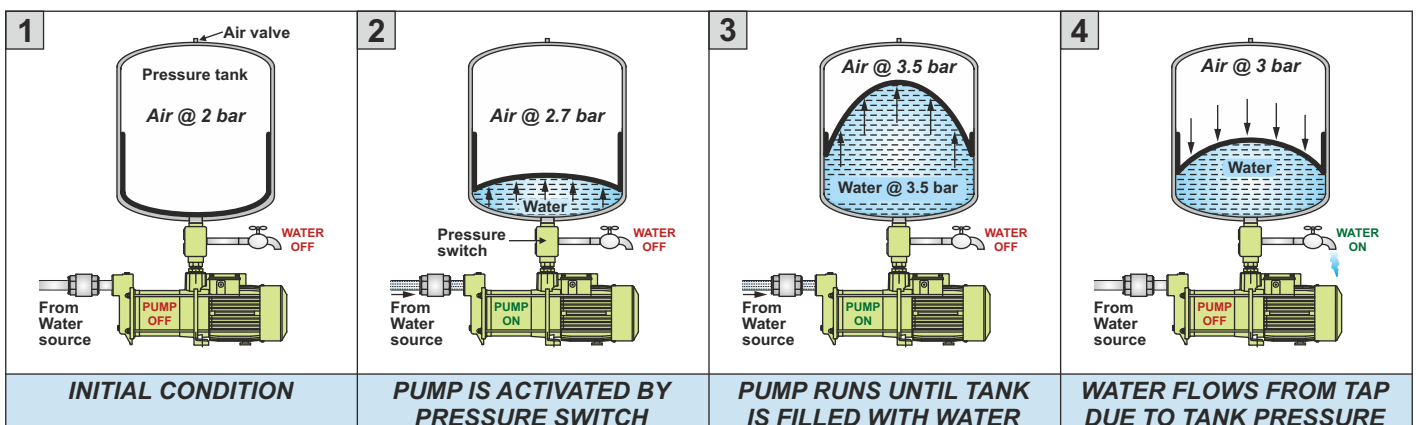
These pumps are suitable for liquids which are potable & rain water other than thin, clean, non-aggressive, non-explosive, not containing solid particles or fibres.

Pumps are designed for liquid transfer & pressure boosting systems in:

- ☐ Households, commercial complexes
- ☐ Gardens,
- ☐ Agriculture
- ☐ Horticulture
- ☐ Small industries
- ☐ Car washing
- ☐ Cooling systems
- ☐ Drawing water out a well.

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.

“LUBI” LHP SERIES

[1 Bath Heavy] - [Cast Iron Pump with Noryl Impeller]

SYSTEM MODEL	KW	HP	PUMP MODEL	SUCTION SIZE MM (INCH)	DISCHARGE SIZE MM (INCH)	TANK MODEL	TYPE OF TANK	TANK CAP. LITRES	DRAW DOWN CAPACITY LITRES	PRESSURE SETTING RANGE kg/cm ²	MAX. CAP. LIT / HR	APPROXIMATE SUITABLE FOR
LHP 1A	0.37	0.5	PCJ - 051CC	25 (1)	25 (1)	LHI - 24	IN LINE	24	9	1.4 to 3.4	3250	2 BATHROOMS
LHP 2A	0.37	0.5	PCJ - 051CC	25 (1)	25 (1)	LHI - 35	IN LINE	35	13	1.4 to 3.4	3250	4 BATHROOMS
LHP 3A	0.75	1.0	PCJ - 101CC	25 (1)	25 (1)	LHI - 24	IN LINE	24	9	2.1 to 3.9	4000	4 BATHROOMS
LHP 3B	0.75	1.0	PCJ - 101CC	25 (1)	25 (1)	LHI - 35	IN LINE	35	13	2.1 to 3.9	4000	5 BATHROOMS
LHP 4A	0.75	1.0	PCJ - 101CC	25 (1)	25 (1)	LHH - 60	HORIZONTAL	60	20	2.1 to 3.9	4000	6 BATHROOMS

“LUBI” MH2 SERIES

[1 Bath Heavy] - [S.S. Pump with S.S. Impeller]

SYSTEM MODEL	KW	HP	PUMP MODEL	SUCTION SIZE MM (INCH)	DISCHARGE SIZE MM (INCH)	TANK MODEL	TYPE OF TANK	TANK CAP. LITRES	DRAW DOWN CAPACITY LITRES	PRESSURE SETTING RANGE kg/cm ²	MAX. CAP. LIT / HR	APPROXIMATE SUITABLE FOR
MH2-1A	0.55	0.75	MH2 - 40	25 (1)	25 (1)	LHI - 24	IN LINE	24	9	1.8 to 3.0	3300	1 to 2 BATHROOMS
MH2-2A	0.75	1.0	MH2 - 50	25 (1)	25 (1)	LHI - 24	IN LINE	24	9	2.1 to 3.7	3300	2 BATHROOMS
MH2-3A	0.75	1.0	MH2 - 50	25 (1)	25 (1)	LHI - 35	IN LINE	35	13	2.1 to 3.7	3300	2 to 3 BATHROOMS
MH2-4A	0.75	1.0	MH2 - 50	25 (1)	25 (1)	LHH - 60	HORIZONTAL	60	20	2.1 to 3.7	3300	3 BATHROOMS
MH2-7B	0.75	1.0	MH2 - 60	25 (1)	25 (1)	LHI - 24	IN LINE	24	9	2.5 to 4.5	3600	3 BATHROOMS
MH2-7A	0.75	1.0	MH2 - 60	25 (1)	25 (1)	LHI - 35	IN LINE	35	13	2.5 to 4.5	3600	4 to 5 BATHROOMS
MH2-8A	0.75	1.0	MH2 - 60	25 (1)	25 (1)	LHH - 60	HORIZONTAL	60	20	2.5 to 4.5	3600	4 to 5 BATHROOMS
MH2-9A	0.75	1.0	MH2 - 60	25 (1)	25 (1)	LHV - 100	VERTICAL	100	36	2.5 to 4.5	3600	5 BATHROOMS

“LUBI” MH4 SERIES

[2 Bath Heavy Only By Shower] - [S.S. Pump with S.S. Impeller]

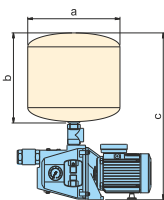
SYSTEM MODEL	KW	HP	PUMP MODEL	SUCTION SIZE MM (INCH)	DISCHARGE SIZE MM (INCH)	TANK MODEL	TYPE OF TANK	TANK CAP. LITRES	DRAW DOWN CAPACITY LITRES	PRESSURE SETTING RANGE kg/cm ²	MAX. CAP. LIT / HR	APPROXIMATE SUITABLE FOR
MH 1A	0.55	0.75	MH4 - 30	32 (1.25)	25 (1)	LHI - 24	IN LINE	24	9	1.2 to 2.2	7500	2 BATHROOMS
MH 2A	0.75	1.0	MH4 - 40	32 (1.25)	25 (1)	LHI - 24	IN LINE	24	9	1.4 to 2.8	7500	3 BATHROOMS
MH 3A	0.75	1.0	MH4 - 40	32 (1.25)	25 (1)	LHI - 35	IN LINE	35	13	1.4 to 2.8	7500	4 BATHROOMS
MH 4A	0.75	1.0	MH4 - 40	32 (1.25)	25 (1)	LHH - 60	HORIZONTAL	60	20	1.4 to 2.8	7500	5 BATHROOMS
MH4-5B	0.95	1.25	MH4 - 50	32 (1.25)	25 (1)	LHI - 24	IN LINE	24	9	1.6 to 3.5	7500	4 BATHROOMS
MH 5A	0.95	1.25	MH4 - 50	32 (1.25)	25 (1)	LHH - 60	HORIZONTAL	60	20	1.6 to 3.5	7500	7 BATHROOMS
MH 9B	1.10	1.5	MH4 - 60	32 (1.25)	25 (1)	LHI - 24	IN LINE	24	9	2.0 to 4.0	7500	4 to 5 BATHROOMS
MH4-7B	1.10	1.5	MH4 - 60	32 (1.25)	25 (1)	LHI - 35	IN LINE	35	13	2.0 to 4.0	7500	5 to 6 BATHROOMS
MH 7A	1.10	1.5	MH4 - 60	32 (1.25)	25 (1)	LHH - 60	HORIZONTAL	60	20	2.0 to 4.0	7500	8 BATHROOMS
MH 9A	1.10	1.5	MH4 - 60	32 (1.25)	25 (1)	LHV - 100	VERTICAL	100	36	2.0 to 4.0	7500	12 BATHROOMS

“LUBI” LMF SERIES

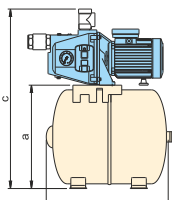
[2 Bath Heavy] - [S.S. Pump with Noryl Impeller]

SYSTEM MODEL	KW	HP	PUMP MODEL	SUCTION SIZE MM (INCH)	DISCHARGE SIZE MM (INCH)	TANK MODEL	TYPE OF TANK	TANK CAP. LITRES	DRAW DOWN CAPACITY LITRES	PRESSURE SETTING RANGE kg/cm ²	MAX. CAP. LIT / HR	APPROXIMATE SUITABLE FOR
LMF 1A	0.75	1.0	MFHC - 101DD	32 (1.25)	32 (1.25)	LHI - 24	IN LINE	24	9	2.0 to 3.9	7500	3 BATHROOMS
LMF 2A	0.75	1.0	MFHC - 101DD	32 (1.25)	32 (1.25)	LHI - 35	IN LINE	35	13	2.0 to 3.9	7500	5 BATHROOMS
LMF 3A	0.75	1.0	MFHC - 101DD	32 (1.25)	32 (1.25)	LHH - 60	HORIZONTAL	60	20	2.0 to 3.9	7500	6 BATHROOMS
LMF 4A	1.10	1.5	MFHC - 151DD	32 (1.25)	32 (1.25)	LHI - 35	IN LINE	35	13	2.4 to 4.8	8700	6 BATHROOMS
LMF 5A	1.10	1.5	MFHC - 151DD	32 (1.25)	32 (1.25)	LHH - 60	HORIZONTAL	60	20	2.4 to 4.8	8700	7 BATHROOMS
LMF 6B	1.10	1.5	MFHC - 151DD	32 (1.25)	32 (1.25)	LHV - 100	VERTICAL	100	36	2.4 to 4.8	8700	10 BATHROOMS
LMF 7A	1.50	2.0	MFHC - 201DD	32 (1.25)	32 (1.25)	LHH - 60	HORIZONTAL	60	20	2.8 to 5.6	9900	8 BATHROOMS
LMF 8B	1.50	2.0	MFHC - 201DD	32 (1.25)	32 (1.25)	LHV - 100	VERTICAL	100	36	2.8 to 5.6	9900	12 BATHROOMS

INLINE



HORIZONTAL



* All dimensions are in mm.

ACCESSORIES :



Pressure Tank



Pressure Switch



5 Way Connector



Pressure Gauge



NRV

SELECTION CHART

A. Normal Bathroom :-

3", 4", 6", 8", 10 Inch Showers

Note : 1 Bath Heavy = 2 Bath Normal

B. Heavy Bathroom :-

- 1) 12", 18", 24", 32" Inch Showers
- 2) Shower Panels
- 3) Wall Mounted Body Jet
- 4) Cubic Bathroom

	MODEL													
	LHP							MH-2						
	1B	1A	2A	3A	3B	4A	6A	1B	1A	2A	3A	4A	7A	8A
a	200	351	325	351	325	412	479	200	351	351	325	412	325	412
b	348	347	510	347	510	649	637	348	347	347	510	649	510	649
c	578	577	740	622	785	924	912	613	612	612	775	914	775	914

	MODEL																
	MH-4								LMF								
	1B	1A	2A	3A	4A	5A	6A	7A	8A	1A	2A	3A	4A	5A	6A	7A	8A
a	200	351	351	325	412	412	479	412	479	351	325	412	325	412	479	412	479
b	348	347	347	510	649	649	637	649	637	347	510	649	510	649	637	649	637
c	612	612	612	775	914	914	902	914	902	662	825	964	825	964	952	964	952

AUTO BOOSTER PRESSURE PUMPS



Lubi Auto Booster Pressure Pumps is used for constant water pressure. It can be ideal when space is constraint near overhead tank . It also has dry running protection, in case of no water in the pipeline.



MAB 01



MH 201 / 205

SYSTEM MODEL	KW (HP)	PUMP MODEL	SUCTION SIZE MM (INCH)	DISCHARGE SIZE MM (INCH)	AUTO BOOST MODEL	TYPE OF AUTO BOOST	SETTING RANGE kg/cm ²	MAX. CAP. LIT / HR	APPROXIMATE SUITABLE FOR
MAB 01	0.37 (0.5)	PCJ - 051CC	25 (1)	25 (1)	ABPC05	IN LINE	1.5 to 3.4	3250	1 BATHROOM
MH 201	0.55 (0.75)	MH2 - 40	25 (1)	25 (1)	ABPC05	IN LINE	1.8 to 3.0	3300	1 to 2 BATHROOM
MH 205	0.75 (1.0)	MH2 - 50	25 (1)	25 (1)	ABPC05	IN LINE	2.1 to 3.7	3300	2 to 3 BATHROOM

HOME BOOSTER PUMPS

Applications

- Suitable for boosting the water pressure to hot & cold water for family use.
- Boosting pressure of water heater's water supply.

Material of Construction

- Pump Body : Cast Iron
- Impeller : Engineering Plastic
- Shaft : Stainless Steel or Ceramic
- Bearings : Graphite



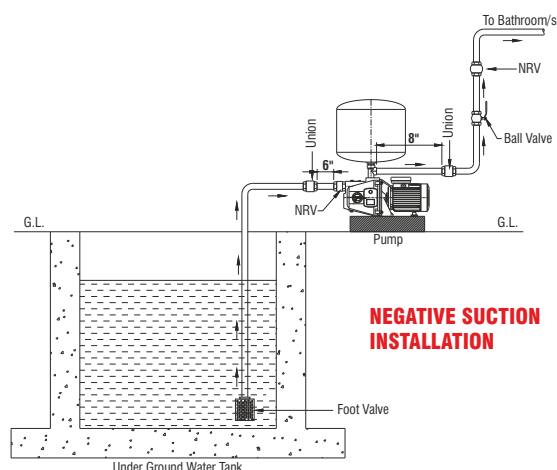
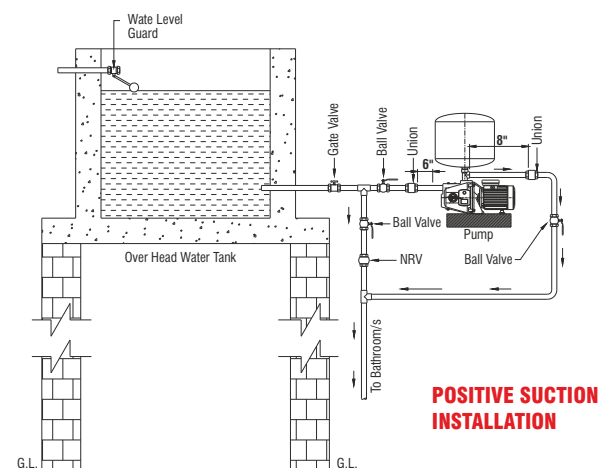
LPD 90
[For 6 to 9 Litre Geyser]



LPD 120
[For 12 to 24 Litre Geyser]

Model	Rated Flow Q(m ³ /h)	Rated Head H(m)	Power P(W)	Current In(A)	Voltage (V)	Frequency (Hz)	Pipe Size (inch)	Weight (kg)
LPD 90	0.5	7.5	120	0.5	220	50	1/2" x 1/2"	2.5
LPD 120	1.25	10	300	1.2	220	50	3/4" x 3/4"	6.3

PRESSURE BOOSTER SYSTEM INSTALLATION CHART



Product Improvement is a continuous process at 'LUBI'. The data given in this publication is therefore subject to revision.

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