



C.R.I. PUMPS

Pumping trust. Worldwide.

COMMITMENT | RELIABILITY | INNOVATION

C.R.I. i-FORCE SERIES

“Let i-Force take control of your water pressure”

i-Force series specially designed to maintains even water pressure in all water outlets. It covers all your domestic water supply needs in a simple way.

The complete system supplied separately and also supplied with Self Priming and Multi-Stage series.

FUNCTIONS

Automatic pump controller unit uniquely designed to manage constant pressure and water flow through out the system. It STARTS the pump automatically whenever there is a pressure drop in the pipe line and STOP the pump automatically whenever it reaches maximum preset level of pressure in the pipe line. So it makes the entire system effective and efficient. In-built check valve integrated system protect the pump from back flow of water & dry running which enhance the life span of the pump.

APPLICATIONS

- House watering systems • Booster pumps • Apartments • Gardens

SALIENT FEATURES

- Controller unit maintains constant pressure throughout the system • Automatic Start and Stop of pump
- Protection against dry running • Specially designed for space constraint area

SPECIFICATIONS

	CPH	Self Priming	MHBS
Max using current / Max power		10A / 1.1kW	
Cut-in pressure		1 Bar	
Max working pressure	10 Bar	4 Bar	5.5 Bar
Flow upto		3m ³ /hr	8m ³ /hr
Max working temperature		33°C	
Power range		0.5-1.5HP	
Internal protection		IP65	
Connection thread		R1"	



i-Force



Self Priming Series



MHBS Series



C.R.I. PUMPS

Pumping trust. Worldwide.

TOLL FREE 1800 200 1234

www.crigroups.com

www.facebook.com/cripumps

www.twitter.com/cri_pumps



ANY TIME,
ANY WHEATHER,
WATER PRESSURE
IS A PLEASURE

C.R.I. PRESSURE BOOSTING SYSTEMS

C.R.I. PRESSURE BOOSTING SYSTEM

PCJS, MHBS & ROYALE FORCE

The C.R.I. Pressure Booster system maintains the even water pressure in all the outlets. When the pressure drops to the pre-set level, the pump will start-up and meets the demand, When the pressure attained its maximum pre-set pressure, the pump will be switched off. By this automation, even water pressure is ensured in all the outlets.

The complete system is compactly assembled and well mounted on a right base. Occupies less space facilitated by the sturdy and compact design.

FUNCTIONS

The system consists of pump, non-return valve, pressure switch, pressure gauge, Y-Strainer and pressure tank. As the Y-Strainer included in the system, the entry of foreign particles are avoided and thus the system life is extended.

APPLICATIONS

• Residential Buildings • Industries • Hotels • Hospitals • Apartments • Bungalows

SALIENT FEATURES

- Ensures even pressure at all the water outlets
- Automatic ON & OFF of pump while opening & closing of taps
- In-built thermal overload protector, protects motor from overload fault
- Lesser running cost than the conventional systems
- Factory tested system and supplied as a package

SPECIFICATIONS	MHBS	PCJS	ROYALE FORCE
Power ranges upto	1.5HP	1HP	0.5HP
Flow upto	8 m³/hr	3.6 m³/hr	2.2 m³/hr
Maximum pressure	5.5 bar	4.6 bar	3.0 bar
Liquid temperature upto	90°C	33°C	33°C

MHBS - Pressure Tank Sizes : 24 L and 35 L
ROYALE FORCE - Pressure Tank Size : 2 L

ACCESSORIES



ROYALE FORCE



MHBS



PCJS

PERFORMANCE CHART

MHBS SERIES MULTISTAGE HORIZONTAL PRESSURE BOOSTER SYSTEM				2880 RPM, Single Phase - 220 - 240 Volts 50Hz, A.C. Supply. with 24 litres tank									
Model	Power		Head (m)	Flow (m³/hr)						Suction Size (mm)	Delivery Size (mm)		
	kW	HP		0	1.0	1.5	2.0	2.5	3.0			3.5	
MHBS-2E/03	0.30	0.40		27	24	23	21	18.5	16	12.5	25	25	
MHBS-2E/04	0.37	0.50		37	33	32	29	26	22	17.5	25	25	
MHBS-2E/05	0.45	0.60		47	43	40	37	33	27.5	21.5	25	25	
MHBS-2E/06	0.55	0.75	55	50	47.5	43.5	38.5	32.5	26.5	25	25		
Model	Power		Head (m)	Flow (m³/hr)						Suction Size (mm)	Delivery Size (mm)		
	kW	HP		0	2	3	4	5	6			7	8
MHBS-5/04	0.55	0.75		35	31	28.5	26	23	18	16	12	25	25
MHBS-5/05 *	0.75	1.0		45	40	38	34	31	24	22	15	25	25
MHBS-5/06 *	1.1	1.5		54	49.5	47	43	38	30	22	20	25	25

* Marked models available in 35 ltr tank also

PCJS SERIES CENTRIFUGAL JET SELFPRIMING PRESSURE BOOSTER SYSTEM				2880 RPM, Single Phase - 220 - 240 Volts 50Hz, A.C. Supply. with 24 litres tank									
Model	Power		Head (m)	Flow (m³/hr)								Suction Size (mm)	Delivery Size (mm)
	kW	HP		0	0.6	0.8	1.0	1.4	1.8	2.2	2.6		
	PCJS- 7S	0.37		0.5	39	35.4	33.8	32.5	29.7	26.8	24.4	20.3	25
PCJS-8S	0.75	1.0	42.7	38.3	37	35.9	33.1	30	27.2	22.7	16	25	25

ROYALE FORCE SERIES REGENERATIVE SELFPRIMING PRESSURE BOOSTER SYSTEM				2880 RPM, Single Phase - 220 - 240 Volts 50Hz, A.C. Supply. with 2 litres tank										
Model	Power		Head (m)	Flow (m³/hr)								Suction Size (mm)	Delivery Size (mm)	
	kW	HP		0.4	0.8	1.1	1.4	1.6	1.9	2.0	2.1			2.2
ROYALE FORCE 50	0.37	0.5		Head (m)	30	25	21	18	15	12	10	8	6	25

MATERIAL OF CONSTRUCTION - PUMPSET	
Part Name	Material
Pump Casing	Cast Iron
Rotor	Aluminium Die Cast
Motor Body	Aluminium Extruded
Motor Shaft	SS 410
Impeller	SS / CI / High Tensile Brass / Noryl
Mechanical Seal	Carbon & Ceramic / Silicon with Carbon

C.R.I. PRESSURE BOOSTING SYSTEM

Eliminate poor water pressure and flow problems with C.R.I. booster system. Simple and effective solution to increasing water pressure.

