



C.R.I. PUMPS
Pumping trust... Worldwide.

NEXT GEN
PRODUCTS

**Smart Pump for
Smart People**



Pressure Booster System | i-Smart Pump | Wastewater Pumps
Swimming Pool Pumps

NEXTGEN PRODUCTS | PERFORMANCE CATALOGUE



Vision, Mission and Values

To be the industry leader providing best-in-class fluid management solutions to individual and institutional customers and societies in our chosen markets.

We will achieve this through our dedicated efforts to enhance the welfare of all our stakeholders and by living by our values of **Commitment, Reliability and Innovation.**



ABOUT C.R.I.

C.R.I. ranks high among the world's fastest-growing fluid management solutions provider with a wide global presence. C.R.I. offers Pumps, Motors, IoT Driven Pumps, IoT Drives & Controllers, Pipes, Wires & Cables, Solar Pumps and Controllers to meet the pumping needs of its wide customer base.



60+ Years
of Engineering
Expertise



120+ Countries
have our strong
global presence



21+
Manufacturing Units
around the World



30000+ Outlets
to serve our
Customers



9000+
Products for various
applications



1500+
Service Centres to
support our Customers



18 Times
EEPC Award Winner
for Export Excellence



8 Times
NEC Award Winner
for Energy Savings



**Fludyn Advanced
Technology Centre**
Recognized by Ministry of
Science & Technology, Govt. of India.

NEXT GEN PRODUCTS

C.R.I. offers a wide range of Next Gen products for Special Applications includes Intelligence Smart Mini pumps i-Smart with 5 in 1 Features, Sewage and Drainage Pumps for waste water applications, Pressure Booster for even water pressure at home, Stainless Steel Monoblock pumps are used for Hygiene Water Supply, Circulatory pumps are used to circulate hot / cold water with adequate pressure, Swimming pool pumps are used for water filtration and recycling purposes. These pumps are combo package for customised needs and it is precisely designed for hassle free performance.

- Pressure Booster System - **BRISK, MHBS, TINY FORCE, i-PREZ**
- Automatic Pump Controller - **APC**
- **i-SMART** - Self Priming Monoblock Pumps
- Stainless Steel Centrifugal Monoblock Pumpset - **CTSS / JTS**
- Stainless Steel Self Priming Monoblock Pumpset - **STEELIX MINI**
- Wastewater Pumps - **MS, MP, DL, SL, SLC, CDL, DM-CDDP, SM & SMB**
- Circulatory Pumps
- Swimming Pool Pumps - **VISTA & NOVA**

Pumping trust... Worldwide.



PRESSURE BOOSTER SYSTEM

BRISK / MHBS / TINY FORCE

C.R.I. Pressure Booster system has a complete combo package for water pressure boosting and it is precisely designed for hassle free performance. The complete system developed to preserve constant water pressure in all outlets, whenever pressure drops/attains to the desired level, pump will Start/Stop automatically. Over all compactness of the pressure boosters consumes lesser space and quality assured components were used for high accuracy, so that noise level will be in limit. We could proudly say, C.R.I. Pressure Boosters are "Fit and Forget" products.

The system consists of pump, non-return valve, pressure switch, pressure gauge, Y-Strainer, float switch 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 pump ON & OFF operation based on water consumption.
- In-built thermal overload protector.
- Lesser running cost than the conventional systems.
- Factory tested system and supplied as a package.

Specifications

	BRISK	MHBS	TINY FORCE
Power ranges upto	1.5 HP	1.5 HP	1.0 HP
Flow upto	3.8 m ³ /hr	8 m ³ /hr	3.1 m ³ /hr
Maximum pressure upto	6 bar	5.5 bar	3.5 bar
Liquid temperature	90°C*	90°C	33°C

* Applicable only for Special Mechanical Seal

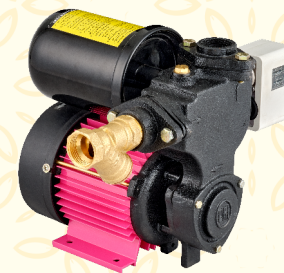
Pressure
is PLEASURE



BRISK



MHBS



TINY
FORCE



PERFORMANCE CHART

2880 RPM, Single Phase - 220 - 240 Volts 50Hz, A.C. Supply. with 24 litres tank

Approx. Recommendation

Model	Power		Head in Metre	Flow (m³/hr)									Suction Size (mm)	Delivery Size (mm)	BHK	No of Bath rooms	No of Taps	
	kW	HP		0	0.8	1.5	2	2.4	2.8	3.2	3.5	3.7						3.8
BRISK-2E/03	0.37	0.5		30	27	23	21	18	15	11				25	25	1	1	3
BRISK-2E/04	0.55	0.75		40	37	33	29	25	20	16	13	9		25	25	1	2	6
BRISK-2E/05	0.75	1		50	46	42	37	33	28	23	19	14	9	25	25	2	3	9
BRISK-2E/06	1.1	1.5		62	58	51	46	41	34	27	21	15	10	25	25	3	4	12

* BRISK models are available with Float Switch and Non Float Switch.

Model	Power		Head in Metre	Flow (m³/hr)						Suction Size (mm)	Delivery Size (mm)	BHK	No of Bath rooms	No of Taps	
	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	1	1	3
MHBS-2E/04	0.37	0.50		37	33	32	29	26	22	17.5	25	25	1	2	6
MHBS-2E/05	0.45	0.60		47	43	40	37	33	27.5	21.5	25	25	2	3	9
MHBS-2E/06	0.55	0.75		55	50	47.5	43.5	38.5	32.5	26.5	25	25	3	4	12

Model	Power		Head in Metre	Flow (m³/hr)							Suction Size (mm)	Delivery Size (mm)	BHK	No of Bath rooms	No of Taps	
	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	3	4	12
MHBS-5/05 *	0.75	1.0		45	40	38	34	31	24	22	15	25	25	3	4 - 5	15
MHBS-5/06 *	1.1	1.5		54	49.5	47	43	38	30	22	20	25	25	4	5 - 6	18

* Marked models available in 35 ltr tank also

Pumping trust... Worldwide.



PERFORMANCE CHART

2880 RPM, Single Phase - 220 - 240 Volts 50Hz, A.C. Supply. with 2 litres tank

Approx. Recommendation

Model	Power		Head in Metre	Flow (m³/hr)														Suction Size (mm)	Delivery Size (mm)	BHK	No of Bath rooms	No of Taps
	kW	HP		0.4	0.7	0.8	0.9	1.1	1.3	1.4	1.5	1.6	1.7	1.9	2.0	2.1	2.2					
TINY FORCE 50	0.37	0.5			25		21	18	15		12		10	8		6		25	25	1	1	3
TINY FORCE 51	0.37	0.5		30		25		21		18		15		12	10	8	6	25	25	1	1	3

Model	Power		Head in Metre	Flow (m ³ /hr)										Suction Size (mm)	Delivery Size (mm)	BHK	No of Bath rooms	No of Taps
	kW	HP		0.9	1.3	1.6	1.9	2.2	2.3	2.5	2.7	2.9	3.1					
TINY FORCE 100	0.75	1.0		35	30	25	21	18	15	12	10	8	6	25	25	1	1	3

MATERIAL OF CONSTRUCTION - PUMPSET

Part Name	Material
Pump Shell	SS 304
Suction & Discharge Chamber	Cast Iron
Rotor	Aluminium Die Cast
Motor Body	Aluminium Extruded
Motor Shaft	SS 410
Impeller	SS / High Tensile Brass / Noryl
Mechanical Seal	Silicon vs Carbon vs EPDM / Ceramic vs Carbon vs NBR

PRESSURE BOOSTER SYSTEM

i-PREZ

C.R.I. i-Prez Series are basically domestic pressure boosting system with built-in Variable speed for constant pressure in pipe line. The pressure transducer in this system monitors pressure at any time. i-Prez also protects the system from dry run, over loading, unbalanced voltages and short circuit. The system comprises of Horizontal Multistage Pump, VSD, 5 Way connector with built in NRV, pressure tank, Pressure gauge & pressure transducer.

Salient Features

- Plug & play type.
- Soft start increases smooth functioning and better life to the pumpset.
- Protects the pumpset from High voltage, low voltage, dry run, overload, underload.
- Wide LCD Display for Easy Operation.
- Fully Stainless steel 5 way connector with Built in NRV.
- Pressure Transducer 9 Bar Capacity.
- Fully Stainless Steel Wet Parts for Hygiene and Durability.

Specifications

Power ranges	0.75 kW - 2.2 kW (1 HP - 3 HP)
Input Voltage	1 Ph - 220 V
Frequency	50 Hz
VFD Output	3 Ph - 220 V
Head Range	up to 11m ³ /hr
Flow Range	up to 68 Mtr
Liquid Temperature	up to 70°C
Ambient Temperature	up to 40°C
Pressure Transmitter	24V, 4-20 mA
Pressure Setting Range	up to 9 Bar

Applications

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



iPrez

Pumping trust... Worldwide.



PERFORMANCE CHART

2880 RPM, Single Phase - 220 - 240 Volts 50Hz, A.C. Supply.

Model	kW	HP	RPM	m ³ /hr	0	0.5	1	1.5	2	2.5	3	3.5	4	4.5
				lps	0	0.14	0.28	0.42	0.56	0.69	0.83	0.97	1.11	1.25
i-Prez 07	0.75	1	2900	Head in Metre	55.5	53	49.5	46.5	43	39.5	35.5	31	25	17
			2620		45	42.5	39.5	37	33.5	30.5	26.5	21.5	14.5	
			2320		35.5	33	30.5	28	25.5	22	18	12.5		
			1740		20	18	16	14	11.5	8				

Model	kW	HP	RPM	m ³ /hr	0	0.5	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5
				lps	0	0.14	0.28	0.42	0.56	0.69	0.83	0.97	1.11	1.25	1.39	1.53	1.67	1.81	1.94	2.08
i-Prez 11	1.1	1.5	2900	Head in Metre	54.5	52.5	51	49	47.5	45.5	44	42	40	37.5	35	32	28.5	24	18	9.5
			2620		44	42.5	41	39.5	38	36.5	35	33	31	28	24.95	20.5	15.5	10		
			2320		35	33.5	32.5	31	29.5	28	26.5	24.5	22	19	16	12				
			1740		19.5	18.5	17.5	16	15.5	14.5	13	12	10	6.5						

Model	kW	HP	RPM	m ³ /hr	0	0.5	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5
				lps	0	0.14	0.28	0.42	0.56	0.69	0.83	0.97	1.11	1.25	1.39	1.53	1.67	1.81	1.94	2.08
i-Prez 15	1.5	2	2900	Head in Metre	52.5	51.5	50	49	47.5	46	44.5	43	41	38.5	35.5	32.5	28.65	24	18	12
			2620		42.5	41.5	40.5	39	38	36.5	35	33.5	31.5	29	26	22	18	12.5		
			2320		34.5	33	32	30.5	29.5	28	26.5	24.5	22.5	20	16.5	12				
			1740		18.5	18	17	16.5	15.5	14.5	13	10.5	7.5							

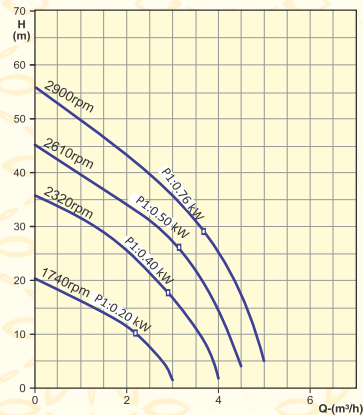
PERFORMANCE CHART

2880 RPM, Single Phase - 220 - 240 Volts 50Hz, A.C. Supply.

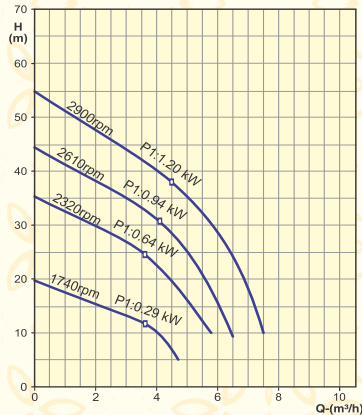
Model	kW	HP	RPM	m³/hr	0	0.5	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10	10.5
					0	0.14	0.28	0.42	0.56	0.69	0.83	0.97	1.11	1.25	1.39	1.53	1.67	1.81	1.94	2.08	2.22	2.36	2.50	2.64	2.78	2.92
i-Prez 22	2.2	3	2900	Head in Metre	68	66	64.5	63	61	60	58	56.5	55	53.5	52	50	48	46	44	42	39.5	37	34.5	32	30	27.5
			2620		55	53.5	52	50.5	49	47.5	46.5	45	43.5	42	40	38.5	37	35	33	30.5	28.5	26	24	22		
			2320		43.5	42	40.5	39.5	38	37	35.5	34.5	33	31.5	30	28.5	27	25	23	21	19	17				
			1740		24.5	23.5	22.5	21.5	20.5	19.5	18.5	17.5	16.5	15	13.5	12	10.5	9								

Performance Curve

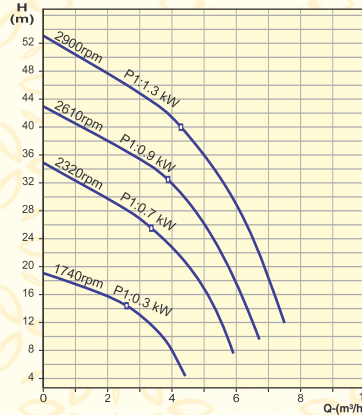
i Prez - 07



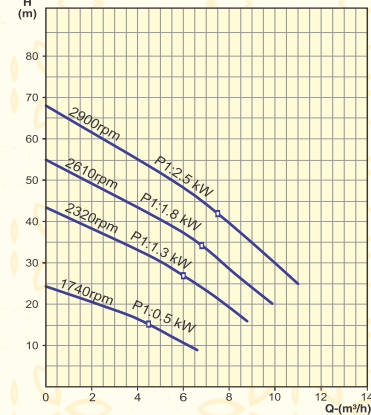
i Prez - 11



i Prez - 15



i Prez - 22





✿ CATERS TO DIVERSE SEGMENTS ✿

**WATER & WASTE WATER | SOLAR | PROCESS INDUSTRIES | SEWAGE & EFFLUENT TREATMENT PLANTS
HVAC | FIRE FIGHTING | METAL & MINING | FOOD & BEVERAGE | AGRICULTURE | RESIDENTIAL**



C.R.I. PUMPS
Pumping trust... Worldwide.



TOLL FREE 1800 121 1243  **www.crigroups.com**  **chatbot : +91 9500401115**

In view of continuous developments, the information / performance / descriptions / specifications / illustrations mentioned in this catalogue are subject to change without notice.