

NEXT GEN
PRODUCTS



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

Smart Pump for Smart People



Pressure Booster System | i-Smart Pump | Sewage & Drainage Pumps



Vision, Mission & 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. Business

Commitment - Reliability - Innovation : C.R.I. has evolved itself as a key player in the world's pump industry with an unbeatable presence in fluid management systems. From Pumps, Valves, Pipes, IoT Drives & Controllers, Wires & Cables to Solar Pumping Systems and Motors, we have meticulously carved every single product involved in fluid management and delivered to our millions of happy customers. With 9000+ products, we cater to the flow management needs across various industries like Solar, Waste Water, Building, Pharma, Oil & Gas, Chemical, Power, Machine Tool, Paper & Pulp, Mining, Process Industries, Agriculture, Residential, Community Water Supply, Food & Beverage applications. We have strong foothold in 120+ countries and fully owned 15 subsidiaries, all of which stand witness to our indomitable spirit to continue to be the leader in the fluid management systems.

Unique features of C.R.I.

- C.R.I. has 50+ years of expertise in the field of engineering.
- C.R.I. functions globally with over 20000 Outlets & 1500 Service centres.
- One among the few leaders in the industry to produce 100% stainless steel pumps.
- C.R.I. boasts fully equipped facilities with state-of-the-art machinery, cutting edge technology & techniques in the manufacturing process.
- C.R.I. has earned Indian & International Quality certifications like CE, CSA, TSE, NSF, ISI, ISO 9001, ISO 14001, and OHSAS 18001.
- C.R.I. is the top exporter in India and the winner of EEPC (Engineering Export Promotion Council) award 15 times.
- The company also won National Energy Conservation (NEC) award for six times from the Government of India.
- The R&D division of C.R.I. namely "Fludyn Advanced Technology Centre" is recognized by the Ministry of Science & Technology, Govt. of India.
- The Foundry of C.R.I. is fully mechanized & automated with state-of-the-art technology.

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. These pumps are combo package for customised needs and it is precisely designed for hassle free performance.

- **Pressure Booster System (Brisk, Tiny Force, APC).**
- **Smart Pumps (i-Smart).**
- **Sewage and Drainage Pumps**

C.R.I. Pressure Booster System

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.

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 pump ON & OFF when it senses variation in pressure based on water consumption • 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.

MOC - 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	Carbon & Ceramic / Silicon with Carbon / EPDM

Specifications

	BRISK	TINY FORCE
Power ranges upto	1.5HP	0.5HP
Flow upto	8 m ³ /hr	2.2 m ³ /hr
Maximum pressure	5.5 bar	3 bar
Liquid temperature upto	90°C*	33°C

* Applicable only for Special Mechanical Seal



Performance Data

BRISK SERIES

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

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

MHBS SERIES

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

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	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

													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	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

TINY FORCE SERIES

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

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	0.8	1.1	1.4	1.6	1.9	2.0	2.1						2.2
TINY FORCE 50	0.37	0.5		30	25	21	18	15	12	10	8	6	25	25	1	1	3

BHK - Bedroom, Hall, Kitchen

C.R.I. i-Smart Self Priming Monoblock Pumps

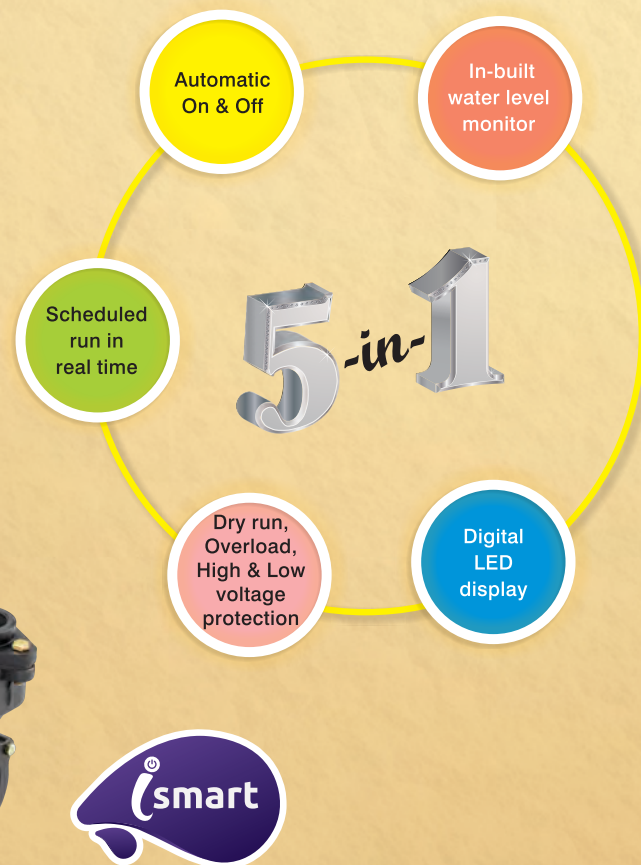
C.R.I. is proudly introducing the new Intelligence Smart Mini Pump with complete solution of water pumping. It is uniquely designed to operate the pump in smart and efficient way. It is enabled with customised user friendly settings, so that, pump shall be performed based on the customer requirement. The Pump controller unit is equipped with Integrated circuit which provides precautionary protection to the pumpsets so it enhance the effective operation and ensures low power consumption.

Applications

- Household water applications • Small Garden • Civil application
- Pressure boosting system

Specifications

I-SMART	
Power Range in HP/kW	0.5HP and 1 HP
Maximum Head	30 Metre
Maximum Flow	3050 LPH
Version	Single Phase 220 V, AC Supply
Pipe Size (S x D)	25 x 25 mm



Performance Data

Model	kW	HP	Type	Suction x Delivery in mm	Suction Capacity in Mtrs	Total Head in Mtr / Feet								
						6	8	10	12	15	18	21	25	30
						20	26	33	39	49	59	69	82	98
						Discharge in LPH								
ISSP 50	0.37	0.5	Self Priming	25x25	8	2088	2000	1800	1600	1400	1220	1000	760	
ISSP 100	0.75	1	Self Priming	25x25	8	3050	2850	2650	2500	2350	2120	1900	1800	1400

C.R.I. Wastewater Submersible Pumps

MS, MP, DL, SL, SLC Series

C.R.I. has introduced highly efficient and reliable sewage & drainage pumps in a comprehensive range. These pumps are available with different materials of construction and feature a multitude of applications in waste water handling and treatment.

All C.R.I. sewage & drainage pumps are perfectly powered by motor designed to deliver optimal performance and to with stand weather and power fluctuation.

Applications

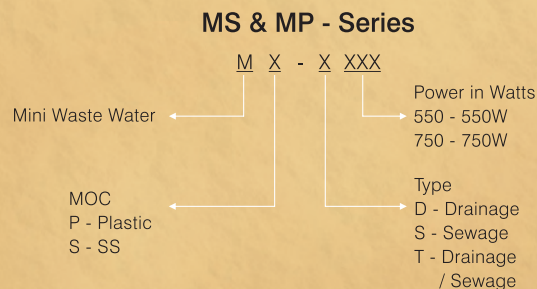
- Draining sewage water from hotels, houses, commercial buildings, complexes etc.
- Pumping waste water in industries • Pumping municipal sewage water • Septic tanks

Salient Features

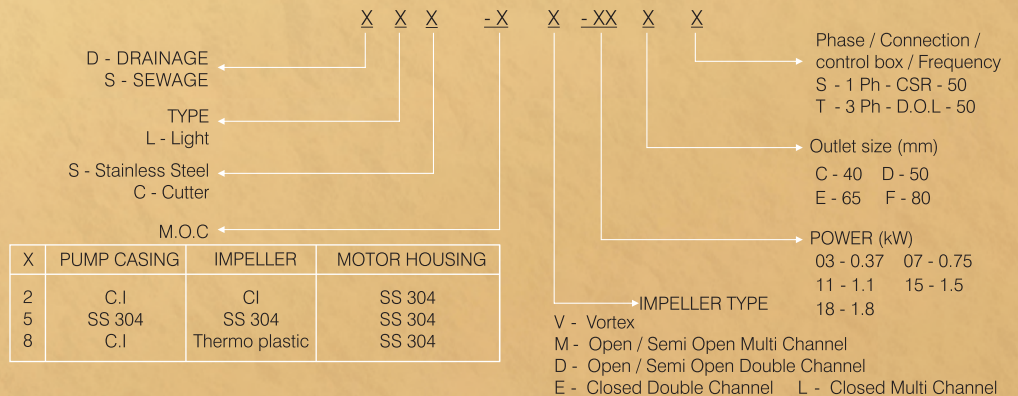
- Non clogging impellers ensures free flow of solids • Cutter design yields fine solids for non clogging operation
- Corrosion resistant Stainless Steel 304 Grade Pump portion ensures longer life • Plastic & SS body with Heavy Construction and Shock Proof • Motor is designed with Self Cooling Effect • Epoxy Potted water proof cables • Prevention from dry run • Efficient pumps with more energy savings • Automatic ON/OFF operation ,enabled by adjustable float switch



Model Identification Code



DL, SL, SLC Series



Specifications

	MS & MP Series	DL - Series	SL - Series	SLC - Series
Power Range	0.5-0.75kW (0.75-1 HP)	0.5-1.5 kW (0.75-2 HP)	0.5-2.2 kW (0.75-3 HP)	1.1-1.8 kW (1.5-2.4 HP)
Speed	2900 rpm			
Version	Single Phase 230V; Three Phase 380 - 415V; 50Hz A.C. Supply			
Degree of Protection	IP 68			
Insulation Class	E / B / H			
Motor Type	Dry - type			
Duty	S1 (Continuous)			
Direction of Rotation	Clockwise			
Max. Immersion Depth	5m			
Sealing	Mechanical Seal			
Impeller Type	Closed Multi Channel	Closed Multi Channel Semi Open Double Channel	Vortex	Vortex Semi Open Double Channel
Max. Ambient Temp.	40°C			
Delivery Size (mm)	32, & 40mm	40, 50, 65, 80mm	40, 50, 65mm	50, 80mm
Solid handling capacity	Upto 25mm	Upto 35mm		
Max. Head	8.2 mtr	20 mtr		
Max. Flow	10 m³/h	25.2 m³/h		

Impeller Type

					
Vortex	Semi open single channel	Semi open double channel	Semi open multi channel	Closed double channel	Closed multi channel

Performance Data

Model	kW	HP	Outlet size mm	m³/hr	0	1	2	3	4	5	6	7	8	9	10	Solid Handling Capacity in mm	Weight in kg
MS-S550	0.55	0.75	40	Head in Metre	7	6.8	6.5	6.2	5.8	5	5.5	5.2	4.5	4		25	6
MS-S750	0.75	1	40		8	7.6	7.5	7	6.8	6.2	5.8	5.4	4.3	4	3.3	25	6.3
MS-D750	0.75	1	32		8.2	7.8	7.5	7	6.2	5.8	5	4.5	3.8	2.5		-	5.6
MP-T550	0.55	0.75	40		7	6.8	6.6	6.4	6	5.8	5.6	5.2	4.5	4		25	4.5
MP-T750	0.75	1	40		8	7.8	7.6	7.4	7	6.5	6	5.5	5	4	2.7	25	5

Model	kW	HP	Outlet size mm	m³/hr	0	2.5	5	7.5	9.4	10	12.5	13.8	Weight in kg
DL-8L-07DS	0.75	1	50	Head in Metre	20	19.5	19.2	18.5	17.5	16	14.5	12.8	17.5

Model	kW	HP	Outlet size mm	m³/hr	0	2.5	5	7.5	10	12.5	15	17.5	18.75	20	22.5	Weight in kg
DL-2L-15DT	1.5	2	50	Head in Metre	20	19.5	19.2	19	18.8	18.5	18	17	16	15.5	14	22

Model	kW	HP	Outlet size mm	m³/hr	0	3.6	7.2	10.8
DL-2V-05BS-A	0.55	0.75	32	Head in Metre	11	10.6	9.7	7.9
DL-2V-05BT	0.55	0.75	32		11	10.6	9.7	7.9

Model	kW	HP	Outlet size mm	m³/hr	0	3.6	7.2	10.8	14.4	18	21.6	25.2
DL-2V-07DS-A	0.75	1	50	Head in Metre	10	9.4	8.7	7.8	6.8	5.9		
DL-2V-07DT	0.75	1	50		10	9.4	8.7	7.8	6.8	5.9		
DL-2V-11DS-A	1.1	1.5	50		11	10.8	10.5	10.4	9	8.2	6.8	
DL-2V-11DT	1.1	1.5	50		11	10.8	10.5	10.4	9	8.2	6.8	
DL-2V-15DS-A	1.5	2	50		14	13.7	13.3	12.7	11.9	11.1	10.1	9
DL-2V-15DT	1.5	2	50		14	13.7	13.3	12.7	11.9	11.1	10.1	9

Only single phase pumps are provided with float switch.

Performance Data

Model	kW	HP	Outlet size mm	m³/hr	0	2.5	5	7.5	10	12.5	15	Solid Handling Capacity in mm	Weight in kg
SL-2D-07CS	0.75	1	40	Head in Metre	18	17.5	16.5	15	14.5	13	12.5	25	22
SL-2D-07DS	0.75	1	50		14	13.5	12.8	11.3	11	9.5	8	35	22

Model	kW	HP	Outlet size mm	m³/hr	0	3.6	7.2	10.8	14.4	18	21.6	25.2	28.8	Solid Handling Capacity in mm	Weight in kg
SL-2V-05CS-A	0.55	0.75	40	Head in Metre	7.2	6.3	5.3	4.4						39	14.7
SL-2V-05CT	0.55	0.75	40		7.2	6.3	5.3	4.4						39	14.5
SL-2V-07CS-A	0.75	1	40		12.1	9.9	8.4	7.3						39	14.9
SL-2V-07CT	0.75	1	40		12.1	9.9	8.4	7.3						39	14.7
SL-2V-07DS-A	0.75	1	50		13.3	12.2	10.8	9.3	7.9	6.2				44	20.5
SL-2V-07DT	0.75	1	50		13.3	12.2	10.8	9.3	7.9	6.2				44	20.3
SL-2V-15DS-A	1.5	2	50		15.1	13.6	12.1	10.5	9	7.4	6			44	23.1
SL-2V-15DT	1.5	2	50		18.1	17	15.6	14	12.2	10.2	8.2	6.3	4.5	44	22.9

Model	kW	HP	Outlet size mm	m³/hr	0	7.2	14.4	21.6	28.8	36	43.2	Solid Handling Capacity in mm	Weight in kg
SL-2V-11DS-A	1.1	1.5	50	Head in Metre	14.2	13.4	10.2	7.6				44	23.5
SL-2V-11DT	1.1	1.5	50		14.5	13	10.6	8.1	5.5	3		44	23.6
SL-2V-22DT	2.2	3	50		18	16	13.8	11.5	9	6.5	3.5	44	25.6
SL-2V-11ES-A	1.1	1.5	65		10.2	9.5	8.6	7.3	5.6			55	25.7
SL-2V-11ET	1.1	1.5	65		10.2	9.5	8.6	7.3	5.6			55	25.7
SL-2V-22ET	2.2	3	65		17	15.4	13.6	11.8	9.4	6.9	4.6	55	26.7

Model	kW	HP	Outlet size mm	m³/hr	0	4	8	12	13	16	20	Solid Handling Capacity in mm	Weight in kg
SLC-2V-11DS/DT	1.1	1.5	50	Head in Metre	8	7	6.5	5.5	4.8	3.5		-	22.5
SLC-2D-18FS/FT	1.8	2.4	80		12	9.5	8.5	7.5	7	6.5	5	-	35

C.R.I. Automatic Pump Controller

CPH - 15

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 • 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 - 15

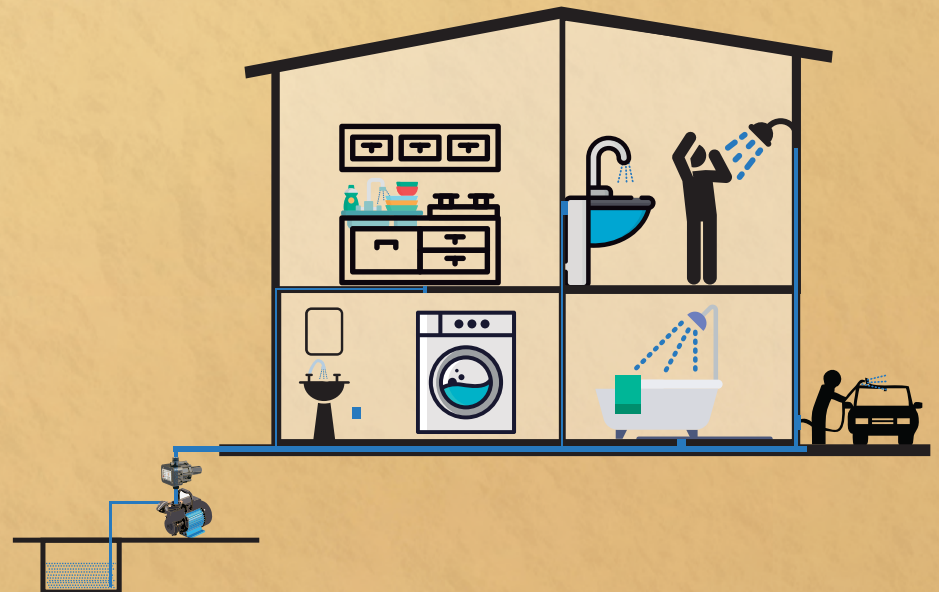
Rated Voltage	220-240V
Frequency	50Hz
Max Working Pressure	10 Bar
Connection Thread	R1"
Protecting Rating	IP 65
Max Working Temperature	33° C

3in1

Dry run protection

Automatic operation of pump

Provides constant pressure supply







C.R.I. PUMPS

Pumping trust. Worldwide.

-
- 5 decades of engineering excellence • Sold in more than 120 countries
 - More than 9000 models of pumps and motors • Over 1000 service centres across India
 - Fully equipped R&D wing recognized by Ministry of Science and Technology
 - ISO 9001 & 14001 accreditations
-

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*As the design and manufacture of pumps are subject to constant improvement, the product supplied may differ in some details from the information, descriptions, specifications and illustrations given.