

**NEXT GEN**  
PRODUCTS



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

# Smart Pump for Smart People



Pressure Booster System | i-Smart Pump | Sewage & 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 <sup>3</sup> /hr | 2.2 m <sup>3</sup> /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. 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.