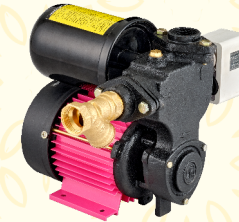




C.R.I. PUMPS
Pumping trust... Worldwide.

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.



WASTEWATER SUBMERSIBLE PUMPS

MS, MP, DL, SL, SLC, CDL, DM-CDDP & SM

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 withstand 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



MS



MP



DL



SL-2V



SL - 2D / SLC



CDL



DM - CDDP



SM - 1E

Model Identification Code

| MS & MP - Series | | DL, SL, SLC, Series | | | | R - Adaptor A - With Float Switch | |
|------------------------------|--|---|-------------|----------------|---------------|--|--|
| Mini Waste Water | <u>M</u> <u>X</u> - <u>X</u> <u>XXX</u> | <u>X</u> <u>X</u> <u>X</u> - <u>X</u> <u>X</u> - <u>XX</u> <u>X</u> <u>X</u> <u>X</u> | | | | Phase / Connection / control box / Frequency | |
| | Power in Watts 550 - 550W 750 - 750W | D - DRAINAGE S - SEWAGE TYPE L - Light S - Stainless Steel C - Cutter M.O.C | | | | Outlet size (mm) C - 40 D - 50 E - 65 F - 80 | |
| MOC P - Plastic S - SS | Type D - Drainage S - Sewage T - Drainage / Sewage | X | PUMP CASING | IMPELLER | MOTOR HOUSING | POWER (kW) 03 - 0.37 07 - 0.75 11 - 1.1 15 - 1.5 18 - 1.8 | |
| | | 2 | C.I | CI | SS 304 | IMPELLER TYPE | |
| | | 5 | SS 304 | SS 304 | SS 304 | V - Vortex | |
| | | 8 | C.I | Thermo plastic | SS 304 | M - Open / Semi Open Multi Channel | |
| | | | | | | D - Open / Semi Open Double Channel | |
| | | | | | | E - Closed Double Channel L - Closed Multi Channel | |

Specifications

| | MS & MP Series | DL - Series | SL - Series | SLC - Series |
|-------------------------|---|--|----------------------------|------------------------------------|
| Power Range | 0.5 - 0.75 kW (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 | 2880 rpm | | | |
| Version | Single Phase 230V; Three Phase 380 - 415V; 50Hz A.C. Supply | | | |
| Degree of Protection | IP 68 | | | |
| Insulation Class | E / B / H / F | | | |
| Motor Type | Dry - type | | | |
| 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 | 32 & 50mm | 40, 50 & 65mm | 50 & 80mm |
| Solid handling capacity | Up to 25mm | - | Up to 55mm | - |
| Max. Head | 8.2 metre | 20 metre | 18 metre | 12 metre |
| Max. Flow | 10 m³/hr | 25.2 m³/hr | 43.2 m³/hr | 20 m³/hr |

Specifications

| | CDL - Series | SM - Series | DM-CDDP - Series |
|-------------------------|---|---------------------------|---------------------------|
| Power Range | 0.4 & 0.75 kW (0.55 & 1HP) | 1.5 - 5.5 kW (2 - 7.5 HP) | 0.75 - 7.5 kW (1 - 10 HP) |
| Speed | 2880 rpm | | |
| Version | Single Phase 230V; Three Phase 380 - 415V; 50Hz A.C. Supply | | |
| Degree of Protection | IP 68 | | |
| Insulation Class | E / B / H / F | | |
| Motor Type | Dry - type | | |
| Max. Immersion Depth | 5m | | |
| Sealing | Double Mechanical Seal | | |
| Impeller Type | Vortex | Closed Double Channel | Vortex |
| Max. Ambient Temp. | 40°C | | |
| Delivery Size (mm) | 50 & 80mm | 50 & 80mm | 40, 50, 80 & 100mm |
| Solid handling capacity | 6mm | up to 30mm | up to 12mm |
| Max. Head | 18 metre | 32 metre | 30 metre |
| Max. Flow | 18 m ³ /hr | 60 m ³ /hr | 105 m ³ /hr |

Impeller Type

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

PERFORMANCE CHART

2880 RPM, Single Phase - 220 Volts, Three Phase - 380-415 Volts 50 Hz, A.C. Supply

| Model | kW | HP | Outlet size (mm) | m ³ /hr | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | Solid Handling Capacity in mm |
|---------|------|------|------------------|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------------------------------|
| 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 |
| 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 |
| MS-D750 | 0.75 | 1 | 32 | | 8.2 | 7.8 | 7.5 | 7 | 6.2 | 5.8 | 5 | 4.5 | 3.8 | 2.5 | | - |
| 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 |
| MP-T750 | 0.75 | 1 | 40 | | 8 | 7.8 | 7.6 | 7.4 | 7 | 6.5 | 6 | 5.5 | 5 | 4 | 2.7 | 25 |

| Model | kW | HP | Outlet size (mm) | m ³ /hr | 0 | 2.5 | 5 | 7.5 | 9.4 | 10 | 12.5 | 13.8 |
|------------|------|----|------------------|--------------------|----|------|------|------|------|----|------|------|
| DL-8L-07DS | 0.75 | 1 | 50 | Head in Metre | 20 | 19.5 | 19.2 | 18.5 | 17.5 | 16 | 14.5 | 12.8 |

| Model | kW | HP | Outlet size (mm) | m ³ /hr | 0 | 2.5 | 5 | 7.5 | 10 | 12.5 | 15 | 17.5 | 18.75 | 20 | 22.5 |
|------------|-----|----|------------------|--------------------|----|------|------|-----|------|------|----|------|-------|------|------|
| 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 |

| Model | kW | HP | Outlet size (mm) | m ³ /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 |

"A" - are available with Float Switch.

Pumping trust... Worldwide.



PERFORMANCE CHART

2880 RPM, Single Phase - 220 Volts, Three Phase - 380-415 Volts 50 Hz, A.C. Supply

| 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-07DS | 0.75 | 1 | 50 | | 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 |

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

| 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 |
|---------------|------|------|------------------|---------------|------|------|------|------|------|------|------|------|------|-------------------------------|
| SL-2V-05CS-A | 0.55 | 0.75 | 40 | Head in Metre | 7.2 | 6.3 | 5.3 | 4.4 | | | | | | 39 |
| SL-2V-05CT | 0.55 | 0.75 | 40 | | 7.2 | 6.3 | 5.3 | 4.4 | | | | | | 39 |
| SL-2V-07CS-A | 0.75 | 1 | 40 | | 12.1 | 9.9 | 8.4 | 7.3 | | | | | | 39 |
| SL-2V-07CT | 0.75 | 1 | 40 | | 12.1 | 9.9 | 8.4 | 7.3 | | | | | | 39 |
| SL-2V-07DS-R | 0.75 | 1 | 50 | | 12.1 | 9.9 | 8.4 | 7.3 | | | | | | 39 |
| SL-2V-07DS-AR | 0.75 | 1 | 50 | | 12.1 | 9.9 | 8.4 | 7.3 | | | | | | 39 |
| SL-2V-07DS-A | 0.75 | 1 | 50 | | 13.3 | 12.2 | 10.8 | 9.3 | 7.9 | 6.2 | | | | 44 |
| SL-2V-07DT | 0.75 | 1 | 50 | | 13.3 | 12.2 | 10.8 | 9.3 | 7.9 | 6.2 | | | | 44 |
| SL-2V-07DT-R | 0.75 | 1 | 50 | | 12.1 | 9.9 | 8.4 | 7.3 | | | | | | 39 |
| SL-2V-15DS-A | 1.5 | 2 | 50 | | 15.1 | 13.6 | 12.1 | 10.5 | 9 | 7.4 | 6 | | | 44 |
| SL-2V-15DT | 1.5 | 2 | 50 | | 18.1 | 17 | 15.6 | 14 | 12.2 | 10.2 | 8.2 | 6.3 | 4.5 | 44 |

"A" - are available with Float Switch.



PERFORMANCE CHART

2880 RPM, Single Phase - 220 Volts, Three Phase - 380-415 Volts 50 Hz, A.C. Supply

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

| Model | kW | HP | Outlet size (mm) | m ³ /hr | 0 | 4 | 8 | 12 | 13 | 16 | 20 |
|----------------|-----|-----|------------------|--------------------|----|-----|-----|-----|-----|-----|----|
| SLC-2V-11DS/DT | 1.1 | 1.5 | 50 | Head in Metre | 8 | 7 | 6.5 | 5.5 | 4.8 | 3.5 | |
| SLC-2D-18FS/FT | 1.8 | 2.4 | 80 | | 12 | 9.5 | 8.5 | 7.5 | 7 | 6.5 | 5 |

| Model | kW | HP | Outlet size (mm) | m ³ /hr | 0 | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | Solid Handling Capacity in mm |
|---------|------|------|------------------|--------------------|----|----|----|----|----|----|----|----|----|----|-------------------------------|
| CDL-55 | 0.4 | 0.55 | 50 | Head in Metre | 12 | 11 | 10 | 9 | 7 | 5 | 2 | 1 | | | 6 |
| CDL-100 | 0.75 | 1.0 | 50 | | 18 | 17 | 16 | 15 | 13 | 11 | 9 | 6 | 2 | | 6 |
| CDL-150 | 0.75 | 1.0 | 80 | | 17 | 16 | 15 | 14 | 13 | 12 | 10 | 7 | 5 | 2 | 6 |

"A" - are available with Float Switch.

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PERFORMANCE CHART

2880 RPM, Single Phase - 220 Volts, Three Phase - 380-415 Volts 50 Hz, A.C. Supply

| Model | kW | HP | Outlet size (mm) | m ³ /hr | 0 | 6 | 7.2 | 10.5 | 16.5 | 19.5 | 21 | 24 | Solid Handling Capacity in mm |
|------------|------|----|------------------|--------------------|----|----|-----|------|------|------|----|----|-------------------------------|
| DM-2M-07CS | 0.75 | 1 | 40 | Head in Metre | 12 | | 10 | | 8 | | 5 | | 3 |
| DM-2M-15DS | 1.2 | 2 | 50 | Head in Metre | 16 | 14 | | 12 | 10 | 8 | | 5 | 5 |

| Model | kW | HP | Outlet size (mm) | m ³ /hr | 0 | 15 | 18 | 27 | 33 | 36 | 42 | 48 | Solid Handling Capacity in mm |
|------------|-----|----|------------------|--------------------|----|----|----|----|----|----|----|----|-------------------------------|
| DM-2M-22FT | 2.2 | 3 | 80 | Head in Metre | 20 | 17 | 16 | 14 | 12 | 10 | 8 | 5 | 8 |

| Model | kW | HP | Outlet size (mm) | m ³ /hr | 0 | 3 | 12 | 18 | 30 | 33 | 39 | 45 | 54 | 57 | 66 | Solid Handling Capacity in mm |
|------------|-----|----|------------------|--------------------|----|----|----|----|----|----|----|----|----|----|----|-------------------------------|
| DM-2M-37GT | 3.7 | 5 | 100 | Head in Metre | 25 | 24 | 22 | 20 | 17 | 16 | 14 | 12 | 10 | 8 | 5 | 8 |

| Model | kW | HP | Outlet size (mm) | m ³ /hr | 0 | 12 | 15 | 21 | 30 | 39 | 45 | 51 | 54 | 60 | 69 | 84 | Solid Handling Capacity in mm |
|------------|-----|-----|------------------|--------------------|----|----|----|----|----|----|----|----|----|----|----|----|-------------------------------|
| DM-2M-55GT | 5.5 | 7.5 | 100 | Head in Metre | 27 | 25 | 24 | 22 | 20 | 17 | 16 | 14 | 12 | 10 | 8 | 5 | 12 |

| Model | kW | HP | Outlet size (mm) | m ³ /hr | 0 | 6 | 12 | 24 | 27 | 36 | 45 | 63 | 69 | 78 | 84 | 90 | 96 | 105 | Solid Handling Capacity in mm |
|------------|-----|----|------------------|--------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-------------------------------|
| DM-2M-75GT | 7.5 | 10 | 100 | Head in Metre | 30 | 28 | 27 | 25 | 24 | 22 | 20 | 17 | 16 | 14 | 12 | 10 | 8 | 5 | 12 |

PERFORMANCE CHART

2880 RPM, Single Phase - 220 Volts, Three Phase - 380-415 Volts 50 Hz, A.C. Supply

| Model | kW | HP | Outlet size (mm) | m³/hr | 0 | 4 | 8 | 12 | 16 | 20 | 24 | 28 | 29 | Solid Handling Capacity in mm |
|------------|-----|----|------------------|---------------|------|------|------|------|------|------|------|------|------|-------------------------------|
| | | | | lps | 0 | 1.11 | 2.22 | 3.33 | 4.44 | 5.56 | 6.67 | 7.78 | 8.06 | |
| SM-1E-15DT | 1.5 | 2 | 50 | Head in Metre | 19.5 | 18 | 17 | 16 | 14.5 | 13 | 11.5 | 8.5 | 7.5 | 15 |

| Model | kW | HP | Outlet size (mm) | m³/hr | 0 | 4 | 8 | 16 | 20 | 24 | 28 | 32 | 34 | 34.5 | Solid Handling Capacity in mm |
|------------|-----|----|------------------|---------------|----|------|------|------|------|------|------|------|------|------|-------------------------------|
| | | | | lps | 0 | 1.11 | 2.22 | 4.44 | 5.56 | 6.67 | 7.78 | 8.89 | 9.44 | 9.58 | |
| SM-1E-22DT | 2.2 | 3 | 50 | Head in Metre | 24 | 22.5 | 21.5 | 19.5 | 18 | 16.5 | 15 | 12.5 | 11.5 | 11 | 15 |

| Model | kW | HP | Outlet size (mm) | m³/hr | 0 | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | Solid Handling Capacity in mm |
|------------|-----|-----|------------------|---------------|------|------|------|------|------|------|------|------|-------|------|-------|-------|-------|-------------------------------|
| | | | | lps | 0 | 1.39 | 2.78 | 4.17 | 5.56 | 6.94 | 8.33 | 9.72 | 11.11 | 1.00 | 13.89 | 15.28 | 16.67 | |
| SM-1E-40FT | 3.7 | 5 | 80 | Head in Metre | 30.5 | 29.5 | 29 | 28 | 27 | 26 | 24.5 | 23 | 20.5 | 18 | 15 | 11 | 7.5 | 30 |
| SM-1E-55FT | 5.5 | 7.5 | 80 | | 32.5 | 32 | 31.5 | 30.5 | 30 | 28.5 | 27.5 | 25.5 | 23.5 | 21.5 | 18 | 13.5 | 8.5 | 30 |




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