



Smart solutions.  
Strong relationships.

# INDUSTRIAL PUMPSET Product Explorer



### PUMPS : AN OVERVIEW

**Crompton Greaves Ltd**, is the leading manufacturer of all types of pumps suitable for handling water, finding applications in Agricultural, Domestic and Industrial Sectors.

Pumps manufactured by CG are customer friendly and are very reliable. CG has an ever increasing range of energy efficient pumps.

Today **Crompton Greaves Ltd** is the only company having a wide product range of more than 2000 varied pump models catering to different areas of application i.e. Domestic, Agriculture & Industrial under one roof.

**Our product range broadly covers :**

**Submersible pump sets:** Suitable for Open well and Borewell ranging from diameter 75mm to 250 mm

**Panels:** Suitable for Open well and Borewell pumps upto 250 mm diameter

**Cables:** Submersible cables up to 6 sq mm

**Surface mounted pumps :** Monosets in self-priming and non-self priming and coupled pump set in self priming

**Horizontal Split case pumps**

**End Suction Pumps**

**Diesel engine driven Pump sets**

**Fire Fighting Pump sets**

Non Clog Dewatering Self priming pumps in bare shaft, monosets and coupled

With a view to augment our manufacturing capabilities we have set up a large state of the art manufacturing plant, at MIDC Ahmednagar, complete with computerized testing facilities and adherence to latest quality standards to meet the varied needs of customers

The company has more than 300 models in the 4 star and 5 star category duly approved by the Bureau of Energy Efficiency a nodal agency under the Ministry of Power to serve varied needs in Agriculture and Industries.



Quality Assurance



Inspection



Computerized Routine Test



Type Testing



Training Centre

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## CENTRIFUGAL MONOSET PUMPS 'MI' SERIES



### Material of Construction

	Impeller	Volute	Shaft	Mechanical Seal	Gland Packing
B	CI	CI (Inside Epoxy Coated)	SS	Carbon / Ceramic	x
C	Bronze	CI (Inside Epoxy Coated)	SS	Carbon / Ceramic	x
D	SS	CI (Inside Epoxy Coated)	SS	Carbon / Ceramic	x

### Features:

- These pumps are designed and manufactured for optimum efficiency to suit a wide range of commercial and industrial applications
- Compact size
- Stainless steel sleeve for less shaft wear

### Standard Specifications:

- Head – 6 Meters to 69 Meters
- Discharge – 110 LPM to 2140 LPM
- Max Motor HP – 30 HP
- Liquid Temp. - Suitable upto 90°C
- Pipe Size - 50 X 40 mm to 100 X 100 mm
- Supply - 415, 50Hz, 3 Phase

### Applications:

- Water circulation in cooling tower
- Office & shop cooling system
- Construction sites
- Hotels, dairies, hospitals, Industries

## TWO STAGE CENTRIFUGAL MONOSET PUMPS 'TMN' SERIES



### Applications:

- Agricultural and irrigation including sprinkler application.
- Industrial cooling water circulation and mild alkali handling.
- Industrial water supply.
- Domestic and community drinking water supply.
- Multistoried buildings.

### Features:

- The pumps have two stages arranged in series with both the stage impellers mounted on the same shaft.
- Monoset construction with second stage volute casing is made integral with the adaptor.
- The impellers are located back to back for minimum axial thrust.
- Water lubricated brass bush bearing are provided at suction end.
- Fool proof design to avoid interchange of impellers between two stages.
- Simple, balanced and robust construction for noise and vibration free operation.

### Standard Specifications:

- Range - 3.7 kW to 7.5 kW
- Pipe Size - 50 X 40 mm to 65 X 50 mm
- Operating Temp. - upto 85°C
- Capacity - upto 355 LPM
- Scaling - Gland packing
- Supply - 415V, 50Hz, 3 Phase, AC

## VERTICAL IN-LINE PUMPS 'ILM' SERIES



### Features:

- Vertical In-Line pumps designed for minimum space requirement with easy Installation
- Coupled with TEFC motor with 'F' class insulation with temperature rise limited to class 'B'
- Volute & adapter fitted with Bronze wear-ring
- Suitable up to 110° C water with special mechanical seal

### Standard Specifications:

- Range - 3.7 kW to 7.5 kW
- Supply - 415V, 50Hz, 3 Phase
- Pipe Size - 32 X 32 mm to 100 X 100 mm
- Total Head - upto 30 mtrs.
- Capacity - upto 1400LPM
- Operating Temp. - Suitable upto 65°c water

### Applications:

- Open Loop and Closed Loop water circuits.
- Water pressure boosting for Industrial and Sprinkler Systems.
- Water circulation for Cooling Towers in Air Conditioning Plants and Cold Storage Plants.
- Water supply and circulation for Industrial and Commercial Establishments.
- Hot water handling systems.
- Auxiliary equipment for water circulation.
- Irrigation and dewatering Systems.

## TWO STAGE CENTRIFUGAL MONOSET PUMP 'TMEP' SERIES



### Features:

- Back Pull out Construction
- Pressure die cast Aluminium body.
- Totally Enclosed Fan Cooled motor with IP 51 construction for better safety.
- SS Pump Shaft with Gun Metal Impellers
- Internally mounted Mechanical Seal.
- Central Delivery Volute with Air cock for easy priming.
- Suitable upto 48 mtrs working head.

### Standard Specifications:

- Range - 1.1 kW to 1.5 kW
- Supply - 225V, 50Hz, 1 Phase
- Pipe Size - 32 X 25 mm
- Total Head - upto 48 mtrs.
- Capacity - upto 155 LPM
- Operating Temp. - Suitable upto 65°c water

### Applications:

- Water supply for Bungalows
- Buildings, Flats, Hotels, Garages
- Laundries and Industries
- Car washing • Booster application.
- Small farms • Lawn sprinklers.
- Ornamental Fountains
- Water circulation in solar heater systems



## 'CGS' HORIZONTAL SPLIT CASE PUMPS

### CGS series - Bare Shaft / Coupled Set



#### Features :

- These are heavy-duty rugged pumps with Horizontal Axially Split Volute type casing,
- Rotating Assembly is accessible for Inspection or maintenance by removing Upper half casing only
- Rotating Assembly is dynamically balanced as per IS: 11723
- Flanges - Standard drilled to DIN 2533 PN 16, suitable for 16-bar pressure
- High Hydraulic and overall efficiency due to superior design and manufacturing techniques
- Shafts- High Tensile steel / SS 410 / SS 316
- Protected by Stainless Steel Shaft Sleeves (Less Wear/ High Life)

## BACK PULLOUT MONOSET PUMPS

### 'IP' SERIES



#### Features:

- Single stage, end suction, centrifugal monoset pump.
- Easy maintenance with back pullout design.
- TEFC motor with class 'F' insulation and temperature rise restricted to class 'B'.
- Rust-free stainless steel (AISI 410) shaft.
- High quality and long life mechanical seal, Suitable for 65°C water with standard mechanical seal and 110°C with special mechanical seal.

#### Standard Specifications:

- Range - 1.5 kW to 15.0 kW
- Supply - 415V, 50Hz, 3 Phase
- Pipe Size - 50 X 40 mm to 100 X 100 mm
- Total Head - upto 46 mtrs.
- Capacity - upto 2320 LPM
- Operating Temp. - Suitable upto 65°C water

#### Applications:

- Open loop & closed loop water circuits.
- Water supply for buildings, industrial and commercial establishments.
- Water pressure boosting for industrial and sprinkler systems.
- Irrigation.
- Water supply for gardens, farms, fountains, hotels, dairies, hospitals etc.
- Jockey Pumps for Fire Fighting applications, Water Disposal

## 'CZ' END SUCTION PUMPS

(Bare shaft / Coupled set)



### Pump Performance Range

Frequency	50Hz	50Hz
Pole	2	4
RPM	2900	1450
Discharge (M <sup>3</sup> /hr)	350	500
Head (M) Upto	100	60

### Features:

- Horizontal back pull out design .
- Pumps suitable for 10 bar pressure
- Flanges as per DIN 2533
- High efficiency due to superior design
- Replaceable wear rings - Eliminates casing wear, permit easy maintenance of proper running clearances for maximum efficiency.

### Application:

- Fire Fighting application
- Pulling Tower water circulation
- In Distilleries
- Water handling/circulation in Industries

## Submersible Dewatering Pump



### Range:

- Single Phase 0.5 HP to 2.0 HP
- Three Phase 0.5 HP to 7.0 HP

### Features:

- Impeller FG 200
- Pump Casing FG 200
- Shaft SS410

### Application:

- Dewatering muddy rain water.
- Can handle Solids upto 50MM size
- In Constructions for removing water from Pits

# DOMESTIC WATER PRESSURE BOOSTING SYSTEMS

## CG 11 SERIES



### Operating Data:

- Maximum HP 2.0 HP
- Operating Voltage 220 V  $\pm$  10%
- Maximum Current 20 A
- Operating Pressure 10 bar

### Control System type - ON-OFF System Features:

- Min. 1.5 bar Pressure
- Max. Pressure - Pump Shut off head
- Dry Running Protection
- Motor Protection IP 44
- Insulation Class 'B'
- Pressure tank 24 litres

### Application:

- Houses
- Apartments
- Hotel

## CG 22 SERIES



### Operating Data:

- Maximum HP 2 HP
- Operating Voltage 220 V  $\pm$  10%
- Maximum Current 20 A
- Operating Pressure 15 bar

### Features:

- Control two pump operation min 1.0 bar max 15 bar
- Dry running protection
- Control System type 2 (ON/OFF -Double pump)
- Motor Protection IP 44
- Insulation Class 'B'
- Pressure Tank - 24 litres

### Application:

- Houses
- Apartments
- Hotels
- Industries

## CG 24 SERIES



### Operating Data:

- Maximum HP 7.5 + 7.5 HP
- Operating Voltage 220 V  $\pm$  10% -Single Phase  
415 V  $\pm$  10% - Three Phase
- Maximum Current 13.3 A
- Operating Pressure 15 bar

### Control System Type 4 (Double Pump External):

- Motor Protection - CGHM : IP 44  
CGVM : IP 54
- Insulation Class - CGHM : 'B' Class  
CGVM : 'F' Class
- Pressure Tank - 100 litres

### Application:

- Houses
- Apartments
- Hotels



## CG 33 SERIES



### Operating Data:

- Maximum HP 7.5 HP
- Operating Voltage 220 V  $\pm$  10% -  
Single Phase  
415 V  $\pm$  10% -  
Three Phase
- Maximum Current 13.3 A
- Operating Pressure 15 bar

### Control System Type 3 (VFD model):

- Motor Protection - CGHM : IP 44  
CGVM : IP 54
- Insulation Class - CGHM : 'B' Class  
CGVM : 'F' Class
- Pressure tank - Upto 3 HP, 200 litres  
Above 5 HP, 500 litres

### Application:

- Houses
- Apartments
- Hotels

## CG 43 SERIES



### Operating Data:

- Maximum HP 7.5 HP
- Operating Voltage 220 V  $\pm$  10% -  
Single Phase  
415 V  $\pm$  10% -  
Three Phase
- Maximum Current 13.3 A
- Operating Pressure 15 bar

### Control System Type 3 (VFD model):

- Motor Protection - CGHM : IP 44  
CGVM : IP 54
- Insulation Class - CGHM : 'B' Class  
CGVM : 'F' Class
- Pressure tank - Upto 3 HP, 200 litres  
Above 5 HP, 500 litres

### Application:

- Houses
- Apartments
- Hotels

## HORIZONTAL MULTISTAGE PUMPS



### Structural Characteristics:

- Fitted with Thermal Over load Protector (TOP)
- Diffuser - Noryl with Stainless Steel Jacket
- Noryl Impeller
- Low power consumption
- Available From 0.5 HP to 1.0 HP

### Performance:

- Single Phase 3000 RPM (Syn.) 50 Hz, 220 - 240 V,
- Capacitor Start and Run motor
- Motor Protection IP 44
- Insulation Class 'B'



### Structural Characteristics:

- Diffuser - SS 304
- Impeller - SS 304
- Shaft - SS 410
- Clean water not containing abrasive particles
- Liquid temperature -15° C to 100° C
- Ambient temperature up to 50° C
- Available from 0.5 HP to 4.0 HP

### Performance:

- Single Phase 3000 RPM (Syn.) 50 Hz, 220 - 240 V, Capacitor Start and Run motor
- Three Phase 3000 - RPM (Syn.) 50 Hz, 415 V
- Motor Protection IP 44
- Insulation Class 'B'

## VERTICAL MULTISTAGE PUMPS



### Structural Characteristics:

- Impeller - SS 304
- Diffuser - SS 304
- Shaft - SS 410
- Clean water not containing abrasive particles
- Liquid temperature -15° C to 100° C
- Ambient temperature up to 50° C
- Available from 0.5 HP to 20.0 HP

### Performance:

- Three Phase, 3000 - RPM (Syn.) 50 Hz, 415 V±10%

### Motor details:

- Cast Iron Motor Body
- IP 54 Protection
- Insulation Class 'F'
- Eff 2 motor

## AIR TANK COMPRESSORS



### Range:

- 1HP - 70 Ltrs. tank capacity to 15 HP 500 Ltrs. tank capacity

### Features:

- CROMPTON GREAVES Air Tank Compressors have very high operating efficiency due to high precision method adopted in production.
- The cooling efficiency is enhanced due to closely finned cylinder and cylinder head, aided by fan and intercooler.
- The connecting rod and crank shaft are made out of forged alloy steel.
- The Unit has splash type lubrication and is equipped with oil level indicator.
- Air filter is of efficient design and silencer incorporated. The valves are finger plate type for easy flow and are self scavenging.
- Non-return valves are robust in construction that can be easily dismantled and assembled.
- Crompton air receivers are hydraulically tested, manholes are provided for easy access for cleaning and maintenance in big size receivers.
- Testing is done as per IS 5456

### Applications:

- Garages
- Textile units
- Tyre inflation & tyre changing m/c.
- Packaging machines
- Spray painting & powder coating
- Sand blasting
- Pneumatically operated fixtures & tools
- Cleaning
- Testing valve systems

## SELF PRIMING NON CLOG DEWATERING PUMPS



DEWATERING MONOBLOC PUMP

### Features:

- These are self- priming non-clog pumps- priming is required during installation only
- Non-clog type semi open impeller for handling solid & mixture
- Easy maintenance with interchangeable parts
- Capacity - up to 4310 LPM
- Head – up to 36 meters
- Temperature – up to 65o C
- Available as –  
Compact mono-set construction  
Coupled set  
Bare pumps



DEWATERING COUPLED PUMP

# Our Agro Range



**SUBMERSIBLE PUMPSETS SUITABLE FOR 150mm, 200mm & 250mm BOREWELL**



**SUBMERSIBLE PUMPSETS 100W SERIES SUITABLE FOR 100mm BOREWELL**



**CENTRIFUGAL MONOSET PUMPS 'MB' SERIES**



**VERTICAL OPENWELL PUMP**



**OPENWELL SUBMERSIBLE MONOSET PUMPS**



**DIESEL ENGINE PUMPSET**



**PETROL START KEROSENE RUN ENGINE PUMPSETS**



**CENTRIFUGAL MONOSET PUMPS MBG SERIES**

# Our Domestic Range



**MINI SERIES**



**'DMB' SERIES**



**'AQUA GOLD' SERIES**



**'CMB' SERIES**



**SWJ SERIES**



**3W & 4W SERIES**



**PANEL**



# Service Centres



At Crompton Greaves we have strict quality controls from inspection of raw material to the delivery of products to channel partners. However, in an unlikely event of failure please call **Helpline No.: 1800-419-0505** for service.

In addition to the above we have service centres at various locations listed below.

SERVICE CENTRES		SERVICE CENTRES	
<b>NORTHERN REGION - DELHI</b>	Illrd Floor, Express Building 9-10, Bahadurshah Jafar Marg Near ITO Crossing, New Delhi-110002 Tel.: +91 11 2346-0761	<b>WESTERN REGION - contd. INDORE</b>	103-B, Apollo Trade Centre, 2B Rajgarh Kothi Mumbai-Agra Road, Indore - 452001. Tel. : (0731) 2498269, 2498271, 2498276 Fax : (0731) 5065621, 5067146
<b>JAIPUR</b>	Plot No. F 662, Road No. 9F2, Vishwakarma Ind Area, Jaipur - 302 013 Phone (0141) - 3139761	<b>PUNE</b>	Premium Point Building, 4th Floor, Opp. Modern High School, J. M. Road, Shivajinagar, Pune - 411005. Tel. : (020) 25534675 - 77 Fax : (020) 25534684
<b>JALANDHAR</b>	Villege Khajuria, Outside Jalandhar Octroi Post, Phagwara Road, G. T. Road, Dist. Kapurthala, Jalandhar - 144002. Tel. (0181) 2632199,, 2632187 Plot No. 281, Industrial area, Phase 2, Chandigarh - 160002. Tel. (0172) 2659764 Fax (0172) 2657402	<b>RAIPUR</b>	Opp. Chuna Bhatti, Near Mahesh Cold House, Bhanpuri, Raipur, India. Telefax : (0771) 2562055
<b>LUCKNOW</b>	B-2, Transport Nagar, Lucknow - 226001 Tel. (0522) 2432345, 2433132	<b>SOUTHERN REGION - CHENNAI</b>	Crompton House - 3, Dr. MGR Salai (Kodambakkam High Road), Nungambakkam, Chennai - 600034. Tel. : (044) 42247500, 42247595 Fax : (044) 28231973, 28234112 658-664, Rajalakshmi Plaza, 100 ft Road,  Gandhipuram, Coimbatore - 641012. Tel. : (0422) 2526453, 2521829/30 Fax : (0422) 2525334.
<b>EASTERN REGION - KOLKATA</b>	21, R. N. Mukherjee Road, Kolkatta - 700071. Tel. (033) 22489160, 22488911 Fax (033) 22489737	<b>BANGALORE</b>	SS Agencies, No. 20, New Timber Yard Layout, Mysore Road, Bangalore - 560026. Tel. : (080) 26755727 Fax : (080) 26755723
<b>BHUBANESHWAR</b>	Janpath Tower, 3rd Floor, Ashok Nagar Unit II, Bhubaneshwar - 751009 Tel. (0674) 2531128, 2531429, 2531277 Fax (0674) 2533521	<b>COCHIN</b>	35/1872 A, South Janata Road, 300-6, Palarivottam, Cochin - 682025 Tel. : (0484) 2338102 Fax : (0484) 2338856
<b>WESTERN REGION - MUMBAI</b>	Kanjurmarg (East) Mumbai - 400 042. Tel. : (022) 67558000, 67558590 Fax : (022) 67558669	<b>SECUNDERABAD</b>	Plot No. B-12, Industrial Development Area, Uppal, Hyderabad - 500039 (RR Dist) Tel. : (040) 27207539
<b>AHMEDABAD</b>	Godown No. 799 - Cadilla Estate, Opp. Hotel Alfa, N. H. No. 8, Aslali, Dist. Ahmedabad. Tel. : (079) 261408 Fax : (079) 261422		



# Branch Offices

## REGISTERED OFFICE

CG House, 6th Floor, Dr. Annie Besant Road,  
Worli, Mumbai - 400 030.  
Tel. (022) 24237777  
Fax (022) 24237788

## WORKS

Pumps Division  
C-19, MIDC, Ahmednagar - 414 111.  
Tel. (0241) 6606500  
Fax (0241) 6606550

## BRANCH DETAILS

### NORTHERN REGION REGIONAL OFFICE - DELHI

IIIrd Floor, Express Building  
9-10, Bahadurshah Jafar Marg  
Near ITO Crossing, New Delhi-110002  
Tel.: +91 11 2346-0761

### JAIPUR

Church Road, PO Box 173,  
Jaipur - 302001  
Tel. (0141) 3018800-29, 2374668  
Fax (0141) 2365371

### JALANDHAR

B-12/407, Ladowali Road, Behind  
Dada Motors Near BSF Chowk,  
Jalandhar City - 144001.  
Tel. (0181) 3051310 - 13 / 3240990  
Fax (0181) 2226342

### LUCKNOW

Saran Chambers II, 3rd Floor,  
5 Park Road, Lucknow - 226012.  
Tel. (0522) 4152155  
Fax (0522) 4152158

### EASTERN REGION REGIONAL OFFICE - KOLKATA

50, Chowringhee Road,  
Kolkata - 700001  
Tel. (033) 22829681-85  
Fax (033) 22829942, 22824818

### BHUBANESHWAR

Janpath Tower, 3rd Floor,  
Bhubaneswar - 751009  
Tel. (0674) 2531128, 2531429, 2531277  
Fax (0674) 2533521

### WESTERN REGION REGIONAL OFFICE - MUMBAI

Kanjurmarg (East)  
Mumbai - 400 042.  
Tel.: (022) 67558000, 67558591  
Fax : (022) 67558669

### AHMEDABAD

909-916, Sakar II, Near Ellis Bridge,  
Ahmedabad - 380006.  
Tel.: (079) 40012000, 40012277  
Fax : (079) 40012222

### INDORE

103-B, Apollo Trade Centre, 2B Rajgarh Kothi  
Mumbai-Agra Road, Indore - 452001.  
Tel. : (0731) 2498269, 2498271, 2498276  
Fax : (0731) 5065621

## BRANCH DETAILS

### WESTERN REGION - contd. PUNE

Premium Point Building, 4th Floor,  
Opp. Modern High School, J. M. Road,  
Shivajinagar, Pune - 411005.  
Tel. : (020) 25534675 - 77  
Fax : (020) 25534684

### RAIPUR

5, New Tilak Nagar,  
Beside Sai Care Hospital,  
Avanti Vihar Colony, Raipur - 492231  
Tel. : (0771) 4022214 / 15  
Fax : (0771) 2444577

### SOUTHERN REGION REGIONAL OFFICE - CHENNAI

Crompton House - 3, Dr. MGR Salai  
(Kodambakkam High Road),  
Nungambakkam, Chennai - 600034.  
Tel. : (044) 42247500, 42247537  
Fax : (044) 28231973, 28234112

### BANGALORE

Janardhana Towers, 1st Floor,  
562/640 Bannerghetta Road,  
Bilekahalli, Bangalore - 560076.  
Tel. : (080) 41391908, 41391909, 41391923

### COCHIN

Cherupushpam Building, 5th Floor,  
Shanmugham Road, Ernakulam,  
Cochin - 682031  
Tel. : (0484) 2370860-63, 2360240, 2382340  
Fax : (0484) 2373738

### SECUNDERABAD

Minerva Complex, 4th Floor,  
Secunderabad - 500003.  
Tel. : (040) 40002300 / 40002347  
Fax : (040) 40002340

**Crompton Greaves Limited**  
**MACHINE 5 DIVISION**

Plot No. C-19 & A-28, MIDC, Ahmednagar - 414 111  
Tel.: 0241-6606500 Fax.: 0241-6606550, 6606560

Regd. Office:  
CG House, 6th Floor, Dr. Annie Besant Road, Worli, Mumbai - 400 030, India  
W: [www.cgglobal.com](http://www.cgglobal.com)