



Smart solutions.  
Strong relationships.



# Pumping Prosperity with CG Pumps.

Residential • Agriculture • Speciality Pumps • Panels & Starters



CG Pumps Explorer



## Slow Speed Self Priming Pump

# CGDMB<sup>®</sup> CG Turbo

Due to the growth in rural infrastructure and urbanisation, the demand in water pumping applications is increasing. To fulfil these needs CG has come-up with efficient and reliable domestic range of pumps,

### Applications

- High Rise Buildings, Small Farm House, Hospitals, Gardening, Flats and Booster application etc.

### Features And Specifications

- CED Coated Pump Components
- Robust construction
- Self priming upto 8 meter.
- Pump with High torque motor
- Wide Voltage band
  - Single Phase : 180 to 240 Volts
  - Three Phase : 350 to 415 Volts
- High quality mechanical seal for long life.



Construction Detail	CGDMB	CG Turbo
Motor Body	CRCA - MS	Cast Iron
Winding	Copper	Copper
Stamping	High Grade Electrical Stamping	High Grade Electrical Stamping
Supply	1 Ph, 220V, 50Hz	1 Ph, 220V, 50Hz
Speed (RPM)	1425	1425
Pump Casing	Cast Iron (CED Coated)	Cast Iron (CED Coated)
Impeller	HTB - 1	HTB - 1
Shaft	Stainless Steel	Stainless Steel

Cat ref	Frame	Power		Pipe size	Head in Meters												
					6	10	16	20	22	25	30	35	38	42			
		kW	HP	mm	Discharge in Litre per Hour												
CGDMB05DX	B56*	0.37	0.5	25 X 25	2400	2000	1350	600(21m)									
CGDMB10DX	B56*	0.75	1	25 X 25			3000	2700	2500	2200	1700	1200	900	500			
CGDMB10DT	B56*	0.75	1	25 X 25			3000	2700	2500	2200	1700	1200	900	500			
CGTURB00580	80	0.37	0.5	25 X 25	3300	2900	2300	1850	1650	1400							
CGTURB0051C	90	0.37	0.5	25 X 25	3300	2900	2400	1900	1700	1200							
CGTURB0052C	80	0.37	0.5	25 X 25	3100	2700	2000	1600	1300	900							
CGTURB0102C	90	0.75	1	25 X 25	3800	3500	3000	2600	2400	2200	1600	1100	800				
CGTURB01090	90	0.75	1	25 X 25	3800	3500	3000	2600	2400	2200	1600	1100	800				

\*NEMA Frame

Construction Detail	
Motor Body	Aluminium Extrusion
Frame	71 & 80
Casing End Plate	Cast Iron
Pump Drum	SS / Cast Iron
Adaptor	Cast Iron
Impeller	Noryl
Shaft	Stainless Steel
Winding	Copper*
Stamping	High Grade Electrical Stamping
Supply	1Ph,220V,50Hz
Speed (RPM)	2850

**Applications**

- Clear water supply to overhead tanks of Building, Apartments, Gardening, Hotels, Small Farms, Hospital etc.

**Features And Specifications**

- CED Coated Pump Components
- Powder Coated Motor Body
- Totally Enclosed Fan Cooled Motor
- Designed for High Efficiency water lifting
- High quality mechanical seal for long life
- Fitted Non Return valve (NRV)
- In-Built Thermal Overload Protection
- TEFC Motor with Class-F Insulation
- Provided with handle



Cat ref	Frame	POWER		Pipe Size	Total Head in Meters									
		kW	HP		mm	10	15	20	25	30	32	34	36	38
				Discharge in Litre Per Hour										
CGDSW050C	71	0.37	0.5	25 X 25	3100	3000	2400	1600	800	430				
CGDSW050S	71	0.37	0.5	25 X 25	3100	3000	2400	1600	800	430				
CGDSW100C	71	0.75	1	25 X 25			3000	2700	2100	1800	1450	1100	700	
CGDSW100S	71	0.75	1	25 X 25			3000	2700	2100	1800	1450	1100	700	
CGDSW1080C	80	0.75	1	25 X 25			3400	2900	2200	1900	1600	1300	1000	700

Cat ref	Frame	POWER		Pipe Size	Total Head in Meters									
		kW	HP		mm	10	15	20	25	30	32	34	36	38
				Discharge in Litre Per Hour										
CGDSW050CN	71	0.37	0.5	25 X 25	3100	3000	2400	1600	800	430				
CGDSW050SN	71	0.37	0.5	25 X 25	3100	3000	2400	1600	800	430				
CGDSW100CN	71	0.75	1	25 X 25			3000	2700	2100	1800	1450	1100	700	
CGDSW100CP*	71	0.75	1	25 X 25			2500	2100	1250	850	500			
CGDSW100SN	71	0.75	1	25 X 25			3000	2700	2100	1800	1450	1100	700	
CGDSW1080CP*	80	0.75	1	25 X 25			2800	2700	2500	2250	2000	1800	1500	1000

\*Few models are available in Aluminum winding also

# High Speed Self Priming Pumps

# CGMINI



### Applications

- Water supply to overhead tanks of Bungalows, Residential Buildings, Flats, Hotels, Hospitals, Lawns Sprinklers, Nursing homes, Clubs etc.

### Features And Specifications

- Self-Priming Up to 7.5 meter.
- CED Coated Pump Components.
- TEFC Motor with Class – F Insulation
- Powder Coated Motor Body.
- High quality mechanical seal for long life.
- Fitted with Thermal Overload Protector (1Ph Only).
- Wide voltage band
  - 1Ph - 180 to 240V.
  - 3PH - 350 to 440V
- Provided SS insert in MiniMARSHAL-1Hp Pump & 2 year Warranty
- Liquid – Clear and Cold Water

Construction Detail	
Motor Body	Aluminium Extrusion / Pressure Die Casting / Cast Iron
Pump Casing	Cast Iron
Adaptor	Cast Iron
Impeller	Forged Brass
Shaft	Stainless Steel
Winding	Copper*
Stamping	High Grade Electrical Stamping
Mechanical Seal	Carbon vs Ceramic
Supply	1Ph, 220V, 50Hz
Speed	2850 RPM

Model	Cat Ref	Frame	Power		Pipe Size	Head In Meters															
						3	6	9	12	15	18	22	26	30	34	40	45	48	55		
			kW	HP	mm	Discharge in Litre Per Hour															
MiniEMPIRE-II*	CGDMM05ME/DV*	71	0.37	0.50	25x25	2400	2100	1900	1650	1400	1100	700	500 (24mtr)								
MiniEMPIRE-I*	CGDMM10ME/DV*		0.75	1.00	25x25	3100	2900	2700	2500	2300	2100	1800	1450	1050	750	500 (36mtr)					
MiniSUPREME-II	CGDMM05SP	71	0.37	0.50	25x25	2400	2100	1900	1650	1400	1100	700	500 (24mtr)								
MiniSUPREME-I	CGDMM10SP		0.75	1.00	25x25	3100	2900	2700	2500	2300	2100	1800	1450	1050	750	500 (36mtr)					
MiniMAJOR-II	CGDMM05MJ	71	0.37	0.50	25x25	2400	2100	1900	1650	1400	1100	700	500 (24mtr)								
MiniMAJOR-I	CGDMM10MJ		0.75	1.00	25x25	3100	2900	2700	2500	2300	2100	1800	1450	1050	750	500 (36mtr)					
MiniSERGEANT-II	CGDMM05MS/DS/DV	71	0.37	0.50	25x25		2000	1800	1550	1300	1000	500									
MiniSERGEANT-I	CGDMM10MS/DS/DV		0.75	1.00	25x25		2800	2600	2400	2200	2000	1700	1400	1000	750						
MiniHEAD-II	CGDMM05MH	71	0.37	0.50	25x25		2250	2000	1800	1600	1400	1000	600	450 (28m)							
MiniHEAD-I	CGDMM10MH		0.75	1.00	25x25		3500	3300	3100	2900	2700	2400	2100	1700	1300	800					
MiniMAESTRO-II	CGDMM05MM	71	0.37	0.50	25x25		2600	2400	2200	2000	1700	1300	1000	600							
MiniMAESTRO-I	CGDMM10MM	80	0.75	1.00	25x25		4000	3800	3600	3400	3200	3000	2800	2500	2200	1700	1200	950	48(mtr)		
MiniMARSHAL-II	CGDMM05ML	71	0.37	0.50	25x25		2800	2600	2300	2000	1700	1300	1000	600							
MiniMARSHAL-I	CGDMM10ML	80	0.75	1.00	25x25		4300	4150	4000	3850	3700	3350	3100	2800	2500	2100	1600	1200	700		
MiniBHIM-II	CGDMM05BH	63	0.37	0.50	25x25		2000	1800	1550	1300	1000	500									
MiniBHIM-II Plus	CGDMM05BHPLUS	71	0.37	0.50	25x25		2500	2200	1900	1600	1300	900	500								
MiniBHIM-I	CGDMM10BH		0.75	1.00	25x25		2800	2600	2400	2200	2000	1700	1400	1100	750						
MiniMARSHAL-II(3Ph)	CGDMM05MLT	71	0.37	0.50	25x25		2800	2600	2300	2000	1700	1300	1000	600							
MiniMARSHAL-I (3Ph)	CGDMM10MLT	80	0.75	1.00	25x25		4300	4150	4000	3850	3700	3350	3100	2800	2500	2100	1600	1200	700		
MiniXTREME	CGDMM15XT	80	1.1	1.50	25x25							4000	3800	3500	3200	2900	2500	2200	1800		

Aluminium Extrusion - MiniEMPIRE, MiniMAJOR, MiniSERGEANT, MiniSUPREME & Mini HEAD  
 Aluminium PDC - MiniMARSHAL (1 & 3Ph) & CGXtreme, MiniMAESTRO, Cast Iron - MiniBHIM

\*Few models are available in Aluminum winding also



# High Speed Super Suction Self Priming Pumps

# CGmaxGOLD<sup>®</sup> CGmaxVEE<sup>®</sup>

### Applications

- Water supply to overhead tanks of bungalows, Residential building, flats, hotels, hospitals, Nursing homes etc.

### Features And Specifications

- Excellent Suction
- CED Coated Pump Components
- Self-Priming Up to 8 meter.
- TEFC Motor with Class – F Insulation
- High quality mechanical seal for long life.
- Fitted with Thermal Overload Protector (1Ph Only).
- Wide voltage band - 1Ph, 180V-240V
- Liquid – Clear and Cold Water



Construction Detail	CGmaxVEE	CGmaxGOLD
Motor Body	Cast Iron / Aluminium PDC	Aluminium PDC
Stamping	High Grade Electrical Stamping	High Grade Electrical Stamping
Supply	1 Ph 180v - 240v, 50Hz	1 Ph 180v - 240v, 50Hz
Pump Casing	Cast Iron (V - Type) CED Coated	Cast Iron (CED Coated)
Impeller	LTB 2	LTB 2
Shaft	Stainless Steel	Stainless Steel

Cat ref	Frame	Power		Pipe size mm	Head in Meters									
		kW	HP		6	10	15	20	25	27	30	36	40	45
CGDSS05MG-M32	71	0.37	0.5	15 X 15	1700	1500	1200	900	600	500	200			
CGDSS10MG-K38	71	0.75	1	25 X 25	2200	2000	1800	1500	1250	1100	900	350		
CGDSS05MV	71	0.37	0.5	25 X 25	2550	2200	1700	1300	800	500	360			
CGDSS10MV	80	0.75	1	25 X 25	2400	2200	2000	1800	1600	1400	1200	1000	360	
CGDSS10MV-CI	80	0.75	1	25 X 25	2700	2650	2500	2350	2100	2000	1800	1300	900	450
CGDSS10MV-AP	80	0.75	1	25 X 25	2700	2650	2500	2350	2100	2000	1800	1300	900	450



### Application

- Domestic clean water lifting
- Booster & RO Application
- Domestic Water Utilities uses (hotels, residential building, Gardening, Hospitals, Nursing home, Lawn Sprinklers, etc.)
- Hydro phonic farming
- Fountain pump
- Heavy duty water cooler

### Product Features:



Plug and Play



Easy to install  
Do it Your self (DIY)



High pressure water



Energy efficient



Rust preventive  
guard coating



In build overload  
Protection



Control Panel Not required



Double seal protection



Noise proof



Range : 0.5 & 1HP  
Head : Upto 28mtr  
Discharge : 4000LPH

### Material of construction

Part Name	Material
Pump Volute Casing	CED Coated Cast Iron (CI FG 200)
Impeller	Forged Brass
Motor Body	Stainless steel
Pump Adaptor & End cover	CED Coated Cast Iron (CI FG 200)
Bearing	Ball bearing
Seal	Dual seal (Mechanical seal and oil seal)
Shaft	Stainless steel
Winding Wire	Enamelled copper
Hardware's	Stainless Steel

### Performance Chart

Model No	Power		Pipe Size	Total Head in Meters									
				6	9	12	15	18	21	24	26	28	
	kW	HP	mm	Discharge in Litre Per Hour									
CGSFLOW05	0.37	0.5	25 X 25	3000	2600	2200	1900	1500	1100	800	550		
CGSFLOW10	0.75	1.0	25 X 25	4000	3500	3000	2600	2100	1700	1200	900	600	

# Domestic Open Well Pumps

# CGDOW®



**With Control Panel inside the box**

Construction Detail	
Volute Casing	Cast Iron
Motor Body	Stainless Steel
End Cover	Cast Iron
Adaptor	Cast Iron
Flange	Cast Iron
Shaft	Stainless Steel
Impeller	Noryl / Cast Iron(90 Frame)
Sealing Type	Oil Seal / Mechanical Seal
Stamping	High Grade Electrical Stamping
Winding	Copper
Supply	1Ph, 220V, 50Hz
Speed	2850 RPM

### Applications

- Water supply to overhead tanks of Bungalows, Residential Buildings, Flats, Hotels, Hospitals, Lawns Sprinklers, Nursing homes, Clubs, application etc.

### Features And Specifications

- CED Coated Cast Iron Components.
- Stainless Steel Motor body.
- Designed for High Efficiency water lifting
- High Quality Oil Seal for Long Life .
- Easy Installation-No foundation required
- Provided with smart bend and strainer for inlet
- Efficient cooling

Cat Ref	Frame	Power		Size Pipe mm	Head in meters																
		kW	HP		9	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	
					Discharge in LPM																
CGDOW0571*	71	0.37	0.5	25 X 25		7800	6900	5700	3900	1200											
CGDOW0571Z22*	71	0.37	0.5	25 X 25		8700	7800	6900	6000	4500	1200										
CGDOW1071*	71	0.75	1	32 X 25				9000	8520	7800	6900	5880	4700	800 (27m)							
CGDOW1080*	80	0.75	1	32 X 25					10200	9900	9500	9000	8000	6700	4800	2100					
CGDOW1080Z28*	80	0.75	1	25 X 25			9200	8500	7750	6800	5800	4600	3150	1500	750						
CGDOW1080Z30*	80	0.75	1	25 X 25				10500	9600	8400	7200	5400	3600	1800	600						
CGDOW1080Z36*	80	0.75	1	32 X 25				11500	10800	10000	9000	8500	7400	6300	4800	3000	1600	600	300 (35m)		
CGDOW1580*	80	1.1	1.5	32 X 25					12000	10500	10000	9600	9300	9000	8400	7500	6800	5700	4500	2160	
CGDOW1590*	90	1.1	1.5	40 X 40		21600	20400	19200	18000	16750	15200	13000	11500	8600	3000						
CGDOW1580ZM32	80	1.1	1.5	40 X 32			17500	17000	16000	15000	13500	12000	10000	7500	5000	3000					
CGDOW2080ZM34	80	1.5	2	40 X 32				18300	18000	17400	16500	15500	14000	12000	10000	8200	5000				
CGDOW2080ZM36	80	1.5	2	50 X 40				18000	17000	16500	15500	14500	13500	12100	10800	9100	7200	5000			
CGDOW2090*	90	1.5	2	50 X 50	25800	25200	24000	22800	21600	20400	18600	16800	13800	11100	9000 (27m)						
CGDOW2190*	90	1.5	2	50 X 40			27000	26400	25800	24600	23400	21500	19500	16800	13200	9000 (29m)					

\*Available with 10 meter cable length also ISI mark rating pump : CGDOW0571Z22, CGDOW1080Z30 & CGDOW1080Z36



### Applications

- Agriculture, Irrigation (Sprinkler, Drip), Rural Drinking Water Supply etc.

### Features And Specifications

- CED coated cast iron parts
- Excellent aesthetics & sturdy design
- Easy installation – hook & rigid base mounting provided
- High quality water lubricated bearings & oil seal used for long life
- Balanced rotor and impeller used to ensure vibration free performance
- Water cooled & wet type motor
- Stainless steel shaft
- Designed for high water discharge.
- Energy efficient motor design
- Provided SS strainer to prevent sand entry.
- Supply: 3ph,AC, 50Hz ; voltage – 350 to 440V
- Head up to : 48mtr, discharge up to : 1400 Lpm



Construction Detail	
Pump Volute Casing	Cast Iron
Impeller	Cast Iron
Motor Body	Cast Iron
Mounting Foot Frame	MS
Pump Adaptor & End cover	Cast Iron
Bush Bearing	LTB 4
Thrust Bearing	Sintered Carbon + SS
Shaft	Stainless Steel
Rotor Type	Copper
Winding Wire	PVC Insulated Copper

Cat Ref	Power		Pipe Size (mm)	Discharge In LPM													
	kW	Hp		100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400
				Head In Meters													
CGAOW03K	2.2	3.0	50 x 40	30	28	26	24	20	15	10							
CGAOW03N	2.2	3.0	65 x 50	26	25	24	21	17	13	8							
CGAOW05N	3.7	5.0	65 x 50	36	35	34	31	28	24	20	15	8					
CGAOW05P	3.7	5.0	80 x 65	28	28	27	26	25	23	21	18	15	11				
CGAOW07N	5.5	7.5	65 x 50	48	47	45	42	38	32	23	12						
CGAOW07P	5.5	7.5	80 x 65	40	40	39	38	37	36	34	32	29	26	23	19	15	10

Cat Ref	Power		Pipe Size (mm)	Discharge in LPM													
	kW	Hp		240	300	360	420	480	540	600	660	720	780	840	900	960	1020
				Head in meters													
CGAOW03KA	2.2	3.0	50 x 40	29	28	26.5	25	22.5	19	15							
CGAOW03NA	2.2	3.0	65 x 50	27	26	25	23.5	21	19	16.5	14						
CGAOW05NA	3.7	5.0	65 x 50		36	35	33	31	28	25	22	19	15				
CGAOW05PA	3.7	5.0	80 x 65						26	25	24	23	21.5	20	18	16	14

# Centrifugal Mono Block Pump Set

# CGXMB®



### Applications

- Clear water supply for Bungalows, High Rise Buildings, Small Farm House, Hospitals, Irrigation, Flats & Apartments etc

### Features And Specifications

- Robust Construction
- CED Coated Pump Components
- Cast Iron Motor Body / Aluminum Extrusion
- TEFC Motor with Class / F Insulation
- High quality mechanical seal for long life.
- Fitted with Thermal Overload Protector (1Ph Only).
- Wide voltage band
  - Standard 1Ph : 180V-240V
  - LV : 120V-240V
  - 3Ph : 350V-440V
- Liquid - Clear and Cold Water

### Construction Detail

Motor Body	Cast Iron
Volute Casing	Cast Iron
End Cover	Cast Iron
Adaptor	Cast Iron
Flange	Cast Iron
Shaft	Stainless Steel
Impeller	Cast Iron
Sealing Type	Mechanical Seal
Stamping	High Grade Electrical Stamping
Winding	Copper

### Cast Iron Motor Body XMB Pumps

Cat ref	Frame	Power		Pipe size mm	Head in Meters														
		kW	HP		4	6	8	9	10	12	14	16	18	20	22	24	26	28	30
					Discharge in Litre per Hour														
CGXMB0571D	71	0.37	0.5	25 X 25				6960	6750	6000	5100	3300	1500						
CGXMB0571M	71	0.37	0.5	50 X 50		19200(5m)	15600	14200	12600	9000									
CGXMB1080D	80	0.75	1	25 X 25						10500	10400	10200	9900	9000	7800	6600	5100	3900	
CGXMB1080E	80	0.75	1	32 X 25						9200	9100	9050	9000	8700	7100	5800	3800	1900	250
CGXMB1080G	80	0.75	1	40 X 32					13800	13200	12000	10800	9600	7800	4800 (23m)				
CGXMB1080Q	80	0.75	1	80 x 80	54000	42000	27000	15000											
CGXMB1580G	80	1.1	1.5	40 X 32					12600	12300	12000	11400	10800	10200	9600	8400	7200	6000	4200
CGXMB1580M	80	1.1	1.5	50 X 50		24000	22800	21600	19800	15000	9000								
CGXMB1580N	80	1.1	1.5	65 X 50			31800	30000	28200	24600	20000	15000							
CGXMB1580Q	80	1.1	1.5	80 x 80	60000	48000	33000	16200	6000										
CGXMB2080K	80	1.5	2	50 X 40				30000	28800	26400	24000	21000	18000	13800	6600				
CGXMB2090K	90	1.5	2	50 X 40				25800	25500	25200	24900	24600	24300	24000	22800	21600	19800	16800	12000
CGXMB2090Q	90	1.5	2	80 x 80		54000	48000	43800	39000	27000									
CGXMB2090Q-LV	90	1.5	2	80 x 80		54000	48000	43800	39000	27000									
CGXMB2090Q-DP	90	1.5	2	80 x 80		54000	48000	43800	39000	27000									
CGXMB2090Q-DPL	90	1.5	2	80 x 80		54000	48000	43800	39000	27000									
CGXMB2190N	90	1.5	2	65 X 50						28800	25200	20400	14000	6000					
CGXMB2190N-WV	90	1.5	2	65 X 50		36000	33000	31800	30000	26400	22200	16200	10800						
CGXMB2090N-DP	90	1.5	2	65 X 50		36000	33000	31800	30000	26400	22200	16200	10800						
CGXMB3090Q	90	2.2	3	80 X 80		63000	57000	54000	52200	47000	41000	34000	15000						
CGXMB3090Q-DP	90	2.2	3	80 X 80		63000	57000	54000	52200	47000	41000	34000	15000						
CGXMB3090S-DP	90	2.2	3	100 X 100	68000	63000	57000	54000	52000	46000	40000	30000							
CGXMB3090S-DP	90	2.2	3	100 X 100	68000	63000	57000	54000	52000	46000	40000	30000							
CGXMB0571J-ES	71	0.37	0.5	40 X 40		14000	13200	12600	11400	7200									
CGXMB0571M-ES	71	0.37	0.5	50 X 50		19200(5m)	15600	14200	12600	9000									
CGXMB1080M-ES	80	0.75	1	50 X 50		30000	27000	19800	16200	6000									
CGXMB1080Q-ES	80	0.75	1	80 x 80	54000	42000	27000	15000											
CGXMB1580Q-ES	80	1.1	1.5	80 x 80	60000	48000	33000	16200	6000										
CGXMB2090Q-DP-ES	90	1.5	2	80 x 80		54000	48000	43800	39000	27000									

### 3Ph Pump - Centrifugal Monobloc pumps

Cat ref	Frame	Power		Pipe size mm	Head in Meters														
		kW	HP		8	9	10	12	14	16	18	20	22	24	26	28	30		
					Discharge in Litre per Hour														
CGXMB1080ET	80	0.75	1	32 X 25				9200	9100	9050	9000	8700	7100	5800	3800	1900	250		
CGXMB1080GT	80	0.75	1	40 X 32				13800	13200	12000	10800	9600	7800	4800(23m)					
CGXMB1580GT	80	1.1	1.5	40 X 32				12600	12300	12000	11400	10800	10200	9600	8400	7200	6000	4200	
CGXMB2090KT	90	1.5	2	50 X 40	21000	20700	20400	19800	18900	18000	17100	16200	15000	12000	9000	6000			
CGXMB2190NT	90	1.5	2	65 X 50				28800	25200	20400	14000	6000							

# Centrifugal Mono Block Pump Set

# CGXMB<sup>®</sup>-G



### Applications

- Clear water supply for Bungalows, High Rise Buildings, Small Farm House, Hospitals, Irrigation, Flats & Apartments etc

### Features And Specifications

- Robust Construction
- Cast Iron Motor Body / Aluminum Extrusion
- TEFC Motor with Class / F Insulation
- High quality mechanical seal for long life.
- Fitted with Thermal Overload Protector (1Ph Only).
- Wide voltage band
  - Standard 1Ph : 160V-260V
  - LV : 120V-220V
  - 3Ph : 350V-440V
- Liquid - Clear and Cold Water

Construction Detail	
Motor Body	Cast Iron
Volute Casing	Cast Iron
End Cover	Cast Iron
Adaptor	Cast Iron
Flange	Cast Iron
Shaft	Stainless Steel
Impeller	Cast Iron
Sealing Type	Mechanical Seal
Stamping	High Grade Electrical Stamping
Winding	Copper

### Cast Iron Motor Body XMB Pumps

Cat ref	Frame	Power		Pipe size	Head in Meters														
					6	8	9	10	12	14	16	18	20	22	24	26	28	30	
		kW	HP	mm	Discharge in Litre per Hour														
CGXMBG1080M	80	0.75	1	50 X 50	26000	24000	22500	21500	18000	9000									
CGXMBG1080M-ES	80	0.75	1	50 X 50	26000	24000	22500	21500	18000	9000									
CGXMBG1580Q	80	1.1	1.5	80 x 80	48000(5m)	42000	39000	35000	20000										
CGXMBG1580Q-LV	80	1.1	1.5	80 x 80	45000(5m)	41000	38000	34000	20000										
CGXMBG1580Q-DPL-ES	80	1.1	1.5	80 x 80	48000(5m)	42000	39000	35000	20000										
CGXMBG2090K	90	1.5	2	50 X 40				23100	22500	22000	21500	21000	20000	18500	16500	14500	12000	10000	
CGXMBG2090N	90	1.5	2	65 X 50				30000	29000	25500	20500	16000	6000						
CGXMBG2090N-LV	90	1.5	2	65 X 50				30000	29000	25500	20500	16000	6000						
CGXMBG2090P-DPL-ES	90	1.5	2	80 X 65	54000	48000	43800	39000	27000										
CGXMBG2090Q	90	1.5	2	80 X 80	54000	48000	43800	39000	27000										
CGXMBG2090Q-DP	90	1.5	2	80 X 80	54000	48000	43800	39000	27000										
CGXMBG2090Q-LV	90	1.5	2	80 X 80	54000	48000	43800	39000	27000										
CGXMBG2090Q-WV	90	1.5	2	80 X 80	54000	48000	43800	39000	27000										
CGXMBG2090Q-DPL/ES	90	1.5	2	80 X 80	54000	48000	43800	39000	27000										
CGXMBG3090Q	90	2.2	3	80 X 80	60000	57000	54000	52200	47000	41000	34000	15000							
CGXMBG3090Q-DP	90	2.2	3	80 X 80	60000	57000	54000	52200	47000	41000	34000	15000							
CGXMBG3090S	90	2.2	3	100 X 100	64000	57000	53000	50000	42000	34000	30000(15m)								
CGXMBG3090S-DP	90	2.2	3	100 X 100	64000	57000	53000	50000	42000	34000	30000(15m)								

### 3Ph Pump - Centrifugal Monobloc pumps

Cat ref	Frame	Power		Pipe size	Head in Meters										
					10	12	14	16	18	20	22	24	26	28	30
		kW	HP	mm	Discharge in Litre per Hour										
CGXMBG2090KT	90	1.5	2	50 X 40	23100	22500	22000	21500	21000	20000	18500	16500	14500	12000	10000
CGXMBG2090NT	90	1.5	2	65 X 50	30000	29000	25500	20500	16000	6000					

# Centrifugal Mono Block Pump Set



### Applications

- Clear water supply for Bungalows, High Rise Buildings, Small Farm House, Hospitals, Irrigation, Flats & Apartments etc

### Features And Specifications

- Robust Construction
- CED Coated Pump Components
- Cast Iron Motor Body / Aluminum Extrusion
- TEFC Motor with Class / F Insulation
- High quality mechanical seal for long life.
- Fitted with Thermal Overload Protector (1Ph Only).
- Wide voltage band
  - Standard 1Ph : 180V-240V
  - LV : 140V-240V
  - 3Ph : 350V-440V
- Liquid - Clear and Cold Water

Construction Detail		
Motor Body	Cast Iron	Aluminum Extrusion
Volute Casing	Cast Iron	Cast Iron FG 200
End Cover	Cast Iron	Aluminum PDC
Adaptor	Cast Iron	Cast Iron FG 200
Flange	Cast Iron	Cast Iron FG 200
Shaft	Carbon Steel (BS970)	Carbon Steel (BS970)
Impeller	Cast Iron	Noryl
Sealing Type	Mechanical Seal	Mechanical Seal
Stamping	High Grade Electrical Stamping	High Grade Electrical Stamping
Winding	Copper	Copper

### Aluminium Extrusion Motor Body Pumps

Cat ref	Frame	POWER		Pipe Size	Total Head in Meters													
		kW	HP		9	10	13	15	16	18	21	22	23	24	26	27	28	
				mm	Discharge in Litre Per Hour													
CGXMB0571D15-AE	71	0.37	0.5	25 X 25	5870	5400	4200	2580										
CGXMB0571D18-AE	71	0.37	0.5	25 X 25			5400	4600	4300	2700								
CGXMB0571D24-AE	71	0.37	0.5	25 X 25				5850	5700	5150	3650	3100	2500	1700				
CGXMB1071D28-AE	71	0.75	1	25 X 25									5450	5050	4000	3350	2600	
CGXMB1071E27-AE	71	0.75	1	32 X 25									5700	5200	4700	3500	2760	

### Cast Iron Motor Body XMB Pumps

Cat Ref	Frame	Power		Pipe Size (mm) Suction x Delivery	Head in Meters				
		kW	HP		5	6	8	10	12
				Discharge in Litre per Hour					
CGXMB0571J-ES-VKP/ CGXMB0571J-VKP	71	0.37	0.5	40 X 40	16000	15500	14000	11000	5500
CGXMB0571M-ES-VKP/ CGXMB0571M-VKP	71	0.37	0.5	50 X 50	21000	19000	15000	11000	5500
CGXMB1080M-ES-VKP/ CGXMB1080M-VKP	80	0.75	1	50 X 50	-	24000	21600	18360	13500
CGXMB1080Q-ES-VKP/ CGXMB1080Q-VKP	80	0.75	1	80 X 80	40000	37000	30000	18000	-

# 3Ph Centrifugal Mono Block Pump Set



### Applications

- Agriculture, Irrigation (Sprinkler, Drip) Rural Drinking Water Supply etc.,

### Features And Specifications

- CED coated pump components
- Cast iron motor body
- Robust Construction
- High Quality Mechanical seal used for long life
- Balanced rotor and impeller used to ensure vibration free performance
- Stainless steel shaft
- Designed for high water discharge
- Energy efficient motor design
- TEFC motor with Class - F insulation.
- Supply: 3ph, AC, 50Hz; voltage – 350 to 440v.

Construction Details	
Motor Body	Cast Iron
Volute Casing	Cast Iron
Impeller	Cast Iron
Adaptor	Cast Iron
Flange	Cast Iron
End Cover	Cast Iron
Shaft	Stainless Steel
Sealing Type	Mechanical Seal
Stamping	High Grade Electrical Stamping
Winding	Copper

Pipe Size reference for suction and delivery
'D' Pipe Size 25 x 25 (1 Inch x 1 Inch)
F' Pipe Size 32 x 32 (1.25 Inch x 1.25 Inch)
E' Pipe Size 32 x 25 (1.25 Inch x 1 Inch)
G' Pipe Size 40 x 25 (1.50 Inch x 1 Inch)
J' Pipe Size 40 x 40 (1.50 Inch x 1.50 Inch)
M' Pipe Size 50 x 50 (2 Inch x 2 Inch)
K' Pipe Size 50 x 40 (2 Inch x 1.5 Inch)
N' Pipe Size 65 x 50 (2.5 Inch x 2 Inch)
P' Pipe Size 80 x 65 (3 Inch x 2.5 Inch)
Q' Pipe Size 80 x 80 (3 Inch x 3 Inch)
R' Pipe Size 100 x 80 (4 Inch x 3 Inch)
S' Pipe Size 100 x 100 (4 Inch x 4 Inch)

CG Ref	Power	Pipe Size	Discharge (LPM)											
			120	150	200	250	300	350	400	450	500	550	600	
	kW/HP	mm	Head in Meters											
CGXMB03K38	2.2/3	50 x 40	38	36	32	25	11							
CGXMB05K42	3.7/5	50 x 40		42	41	40	39	38	36	33	28	20	12	
CGXMB07K58	5.5/7.5	50 x 40					58	57	56	54	48	32		

CG Ref	Power	Pipe Size	Discharge (LPM)											
			300	400	500	600	700	800	900	1000	1100	1200	1300	
	kW/HP	mm	Head in Meters											
CGXMB03N24	2.2/3	65 x 50	24	22.5	20	17	14							
CGXMB03P18	2.2/3	80 x 65			18	17	16	14	11					
CGXMB05N34	3.7/5	65 x 50		34	28	16								
CGXMB05P26	3.7/5	80 x 65				26	25	23.5	22	20				
CGXMB07P34	5.5/7.5	80 x 65		34	33	32	30	28	25.5	22	17			
CGXMB10P40	7.5/10	80 x 65					40	39	36	29	20	12		

CG Ref	Power	Pipe Size	Discharge (LPM)									
			600	750	900	1050	1200	1350	1500	1650		
	kW/HP	mm	Head in Meters									
CGXMB05R18	3.7/5	100 x 80		18	17	16	14.5	12.5	10			

Cat ref	Frame	Power		Pipe size	Head in Meters														
		kW	HP		5	8	10	12	14	16	18	20	22	25	26	28	28	28	
				mm	Discharge in LPM														
CGXMB03N25	100	2.2	3	65x50			550	530	480	430	380	320	270	200					
CGXMB03P20	100	2.2	3	80x65		750	700	650	600	550	500	430							
CGXMB2503S15	90	2.2	3	100 X 100	1300	1150	1000	800	450	15mtr									
CGXMB05N32	100	3.7	5	80x65						620	600	560	520	460	440	390	340	300	
CGXMB05P27	100	3.7	5	80x65				850	810	750	680	620	550	470	400 (27m)				
CGXMB2505P28	112	3.7	5	80 X 65				900 (15MTR)	880	840	780	700	610	500	300				
CGXMB2505S16	112	3.7	5	100 X 100		1500	1400	1250	1000	750									

## Inline pressure booster pump.

# CG IPB

### Features & Specification

- High comfort noiseless auto operation
- CED Coated corrosion resistance components
- Easy installation – Plug and play
- Aluminium PDC motor body for rigid & better motor cooling
- High energy efficiency & suitable for cold and hot water
- Pump with overload protection
- Wide voltage band - 1Ph - 180 to 240V.
- Liquid - Clear cold and hot water



### Applications:



Cold/Hot Water Bathtub



Washing Machine Inlet Supply



Solar Panels Cleaning



Hand/Dish Washer



High Pressure Water



Chiller & Cooler Application



Vegetable Washer



Constant Dosing Application



CNC/VMC Machine Coolant Circulation



Hydroponic/Roof Top Farms

### Technical Data

Particular	CGIPB120	CGIPB260
Power (W)	120	260
Pipe size (mm)	20X20	25x25
Head max (mtr)	9	13
Qmax (LPM)	25	55
Current (Amps)	0.5	1.4
Capacitor Value	3µF	6µF
Liquid temp	+2 to +95 deg	+2 to +95 deg
Motor type	Induction	
Operation Mode	Manual / Auto	
Pump housing	Cast Iron	
Flow Switch	Integrated	

### Performance Table

Model No	Power (W)	HP	Pipe Size (mm)	Performance chart								
				Disch (LPM)	0	5	10	15	20	25		
CGIPB120	25 X 25	0.16	20 x 20	Head (Mtr)	9	8	7	6	4	2		
				Disch (LPM)	0	5	10	20	30	40	50	55
CGIPB260	25 X 25	0.35	25 X 25	Head (Mtr)	13	12.5	12	11	10	8	6	5
				Disch (LPM)	0	5	10	20	30	40	50	55

# Automatic Pump Controller

# PSV-15

### Features & Specification

- Automatic start/stop
- Dry running protection
- High pressure water

### Specification

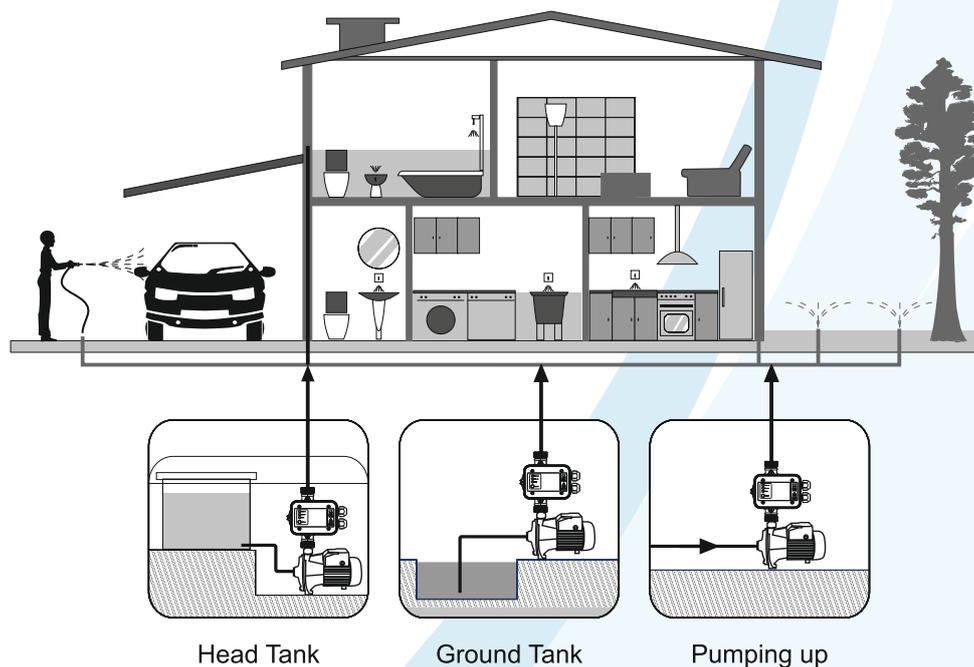
Model No	PSV-15
Rated Voltage	220-240V,1Ph
Max Current	10A (upto 1.5Hp)
Pipe Size	25 x 25 (External Thread)
Frequency	50/60Hz
Maximum pressure	10 Bar
Starting Pressure	1.5 Bar
Operating Temperature	0-60 Deg
IP Rating	IP 65



### Application

Domestic		Commercial & Industrial	
Cold / Hot Water Bathtub	Vegetable Washer	Washing Machine Inlet Supply	RO Plant
Hand / Dish Washer	Hydroponic / Roof Top Farms	Solar Panels Cleaning	Dosing Application
High Pressure Water		Car Washer	

### Domestic application installation drawing



## Self Priming Pressure Booster Pumps

# CG FORCEHEAD

CG FORCEHEAD is supplied with pressure tank for constant water pressure in system. Booster Pump is designed to automatically start and stop depending on water tap operation

### Applications

- To get Pressurized water in Lawns, Washroom,
- Kitchen & Shower for clean water
- Pressure Boosting in Houses, Villas, Small Buildings.
- Water Distribution in Greenhouse & used for Pressure Boosting

### Features & Specification :

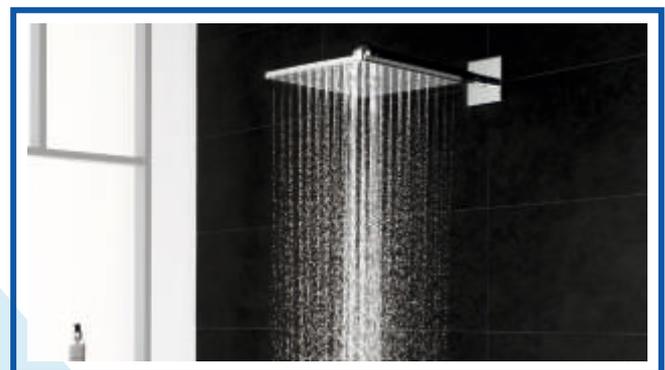
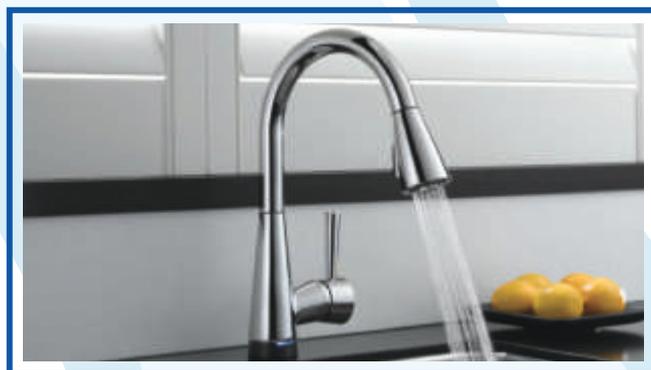
- Self-Priming up to 7.5 meter.
- CED Coated Pump Components..
- TEFC Motor With Class – F Insulation
- Powder coated motor body.
- High quality mechanical seal for long life.
- Fitted with Thermal Overload Protector.
- Inbuilt pressure switch and controller.
- Y Brass strainer provided with pumps to avoid entry of small particles.
- Wide Voltage Band 180 to 240V.



Construction Detail	
Motor Body	Aluminium Extrusion
Pump Casing	Cast Iron
Adaptor	Cast Iron
Impeller	Forged Brass
Shaft	Stainless Steel
Winding	Copper
Stamping	High Grade Electrical Stamping
Mechanical Seal	Carbon vs Ceramic
Supply	1Ph, 220V, 50Hz
Speed (RPM)	2800

Model	CGDMM05FH/FHD	CGDMM10FH/FHD
Pressure Tank (capacity)	1.5 Liter	1.5 Liter
Pre charge pressure:	1.1 bar	1.1 bar
Pump Cut-on Pressure	1.2 bar	2.4 bar
Pump Cut-off Pressure	2.2 bar	3.4 bar
Liquid Temperature	Max 65°C	Max 65°C
Suitable For	1 Valve outlet	2 Valve outlet

Model Name	Cat Ref	Frame	Power		Pipe Size mm	Head In Meter												
			kW	HP		6	9	12	15	18	21	24	27	30	34	36	38	
			Discharge in Litre Per Hour															
FORCEHEAD II	CGDMM05FH	63	0.37	0.5	25x25	1900	1750	1550	1300	1050	750	400						
FORCEHEAD I	CGDMM10FH	71	0.75	1	25x25	2650	2600	2500	2400	2250	2100	1900	1750	1550	1300	1150	1000	
FORCEHEAD II	CGDMM05FHD	63	0.37	0.5	25x25	1900	1750	1550	1300	1050	750	400						
FORCEHEAD I	CGDMM10FHD	71	0.75	1	25x25	2650	2600	2500	2400	2250	2100	1900	1750	1550	1300	1150	1000	



## Multi Stage Pressure Booster Pumps

# CGHMB

CGHMB is supplied with pressure tank for constant water pressure in system. Booster Pump is designed to automatically start and stop depending on water tap operation

### Applications

- Pressure Boosting in Houses, Villas, Small Buildings, Water Distribution in Greenhouse, Used for Pressure Boosting or constant pressure application, Car washing centers.

### Product Features And Specifications

- All Cast iron components are "CED coated".
- TEFC Motor With Class – "F Insulation"
- Powder Coated Aluminium Extruded Motor Body.
- Pumps are fitted with float switch for automatic operation.
- SS 304 Impeller & Diffuser.
- "High quality mechanical seal for long life.
- With Thermal Overload Protector.
- Fitted with Pressure Tank & Danfoss#/Switchmatic Pressure Switch.
- Brass Y-Strainer on Suction to avoid entry of small particles.
- Supply Voltage: 220V (+6 / -15 %), 1Ph.

### Working method

- The automatic pressure system is designed to automatically start & stop the pump on opening and closing of taps and maintains the system pressure.
- It consists of water pump, Pressure tank, Y-Strainer and pressure switch.



### Accessories Includes



Switchmatic Digital Pressure Switch



Danfoss Pressure Switch



Pressure Tank



Y-Strainer



Float Switch

CG HMB	
Construction Detail	
Adaptor	Cast iron
Outer Cover	Cast iron
End Cover	Aluminum PDC
Impeller	SS 304
Diffuser	SS 304
Rotor with Shaft	Stainless Steel + Die cast Rotor
Motor body	Aluminum Extruded with Powder Coated
Cooling Fan	Plastic - PP

CG HMB	
Construction Detail	
Cooling Fan Cover	Plastic - PPCP
Vent Plug	Brass
Stamping	High grade electrical stamping
O-ring / Gaskets	Nitrile Rubber
Pressure Tank	MS Cylindrical + EPDM Rubber Bladder
Pressure Switch	Danfoss Make# / Switchmatic Digital Switch
5Way Connector	Brass
'Y' Strainer	Brass

Pump Model	Cat Ref	kW/HP	No. Of Stage	Discharge (LPM)	8	12	17	25	33	42	50	59	67	75	
	CGHMB1006M2-24D	0.75/1	6	Head (M)	51	50	48	45	42	39	35	30	25	18	
	CGHMB1004M2-24E	0.75/1	4			32	30	27	24	21	17	12			
Pump Model	Cat Ref	kW/HP	No. Of Stage	Discharge (LPM)					15	35	50	65	85	100	120
M4 (4m3/hr)	CGHMB1004M4-24D	0.75/1	4	Head (M)					34	32	29	27	22	17	12
	CGHMB1506M4-24D	1.1/1.5	6			51	48	44	40	33	27	19			

Pump Model	Cat Ref	Pipe Size (mm)	kW/HP	No Of Stage	Tank Capacity (Ltr)	Recommended No of Taps / Outlet	Approx Suitable for No Of Bathrooms	Recommend-ed Pressure Setting Range(bar)	Pre Charge Tank Pressure (bar)
M2 (2m3/hr)	CGHMB1006M2-24	25 X 25	0.75/1	6	24	6-8	3	2.5-4.5	2.3
	CGHMB1004M2-24E	25 X 25	0.75/1	4	24	4-6	2-3	1.2-2.4	2
M4 (4m3/hr)	CGHMB1004M4-24	32 X 25	0.75/1	4	24	10-12	5	1.5-3.0	1.5
	CGHMB1506M4-24	32 X 25	1.10/1.50	6	24	10-12	5	2.5-4.5	2.3



# CGSTP CGSTPC

## Applications

- Construction sites, Hotels and Restaurants, Sewage treatment plants, Waste water treatment plants, etc.

## Features And Specifications

- Cast iron components CED coated
- Hardware's & Body Materials are SS 304
- Built in Thermal Overload Protector for all 1 Ph motors
- 1Ph pumps are fitted with float switch for automatic operation
- Double side Silicon carbide mechanical seal and Double lip seal to ensure better sealing
- Soft solid handling maximum size up to dia 45 mm
- 'F' class insulation
- IP 68 protection
- Liquid temp up to 60° C.
- Voltage band : 1PH: 180 -240V, 3PH: 350-440V



Part	Material of construction	
	Sewage Pump (CGSTP)	Sewage Cutter Pump (CGSTPC)
Motor Body	Stainless steel/Cast Iron*	Stainless steel
Top Cover	Cast Iron	Cast Iron
Bottom Cover	Cast Iron	Cast Iron
Cable Cover	Cast Iron	Cast Iron
Volute Casing	Cast Iron	Cast Iron
Impeller (Vortex)	Cast Iron	Cast Iron
Seal Cap	Cast Iron	Cast Iron
Flange	Cast Iron	Cast Iron
Mechanical seal	Double side silicon carbide +Carbon & Ceramic	Double side silicon carbide +Carbon & Ceramic
Stamping	High grade electrical stamping	High grade electrical stamping
Winding	Copper	Copper
O-Rings	NBR	NBR
Float Switch	0.6mtr (1Ph pump only)	0.6mtr (1Ph pump only)
Cutter	--	Stainless steel

Cat ref	Max Solid Handling Size (mm)	POWER		Delivery Pipe Size	Total Head in Meter												
		kW	HP		mm	5	6	7	8	9	11	13	15	17	19	21	
				Discharge in LPM													
CGSTP005F	20	0.37	0.5	32	165	130	100	35									
CGSTP010M	35	0.75	1	50			385	330	280	100							
CGSTP010MT*	35	0.75	1	50			385	330	280	100							
CGSTP020M	35	1.5	2	50		450	430	400	360	270	160	100 (14m)					
CGSTP020MT*	35	1.5	2	50		450	430	400	360	270	160	100 (14m)					
CGSTP030Q	45	2.2	3	80			750	740	730	700	650	580	450	300			
CGSTP030QT	45	2.2	3	80			750	740	730	700	650	580	450	300			
CGSTP050ST*		3.7	5	100			1800	1600	1400	1100	900	600	500	400(18m)			
CGSTP070ST*		5.5	7.5	100					1500	1400	1300	1100	900	700	400		

Cat ref	POWER		Delivery Pipe Size	Total Head in Meter								
	kW	HP		mm	4	5	8	11	14	16	18	21
			Discharge in LPM									
CGSTPC010MT*	0.75	1	50		350	270	200	120	50			
CGSTPC010M	0.75	1	50		350	270	200	120	50			
CGSTPC020MT*	1.5	2	50	380	360	300	250	180	140	100	50	
CGSTPC020M	1.5	2	50	380	360	300	250	180	140	100	50	

**Applications**

- Clear Water Supply to overhead tanks, Lawn & Garden, Water Distribution in Greenhouse, to use in collapsed/Irregular bore well.

**Features And Specifications**

- High Suction Head & Ease of Installation.
- Twin Type design suitable for 4” & above bore wells.
- All Cast iron components are “CED coated”.
- TEFC Motor With Class – “F Insulation”
- Powder Coated Aluminium Extruded Motor Body.
- Pumps are fitted with jet unit.
- “High quality mechanical seal for long life.
- Liquid – Clear and Cold Water
- Fitted With Thermal Overload Protector.
- Provided Brass Jet Assembly.
- Supply Voltage: 220V (+6 / -15 %), 1Ph.



Construction Details	
Impeller	Noryl
Diffuser	Noryl
Shaft	Stainless Steel
Drum	Stainless Steel
Motor Body	AL Extrusion
End Cover	Cast Iron
Adaptor	Cast Iron
Front Casing	Cast Iron
Control Valve	Cast Iron
Fan Cover	MS
Fan	Plastic
Jet Assembly	Brass

Cat Ref	KW/HP	No. Of Stage	Operating pressure (Kg/cm <sup>2</sup> )	Pipe Connection (mm) Suction X Pressure X Delivery	Discharge (LPH)	800	600	400	280	150
CGCJV10T2	0.75 / 1.00	2	1.8	32 x 25 x 25	DLWL Head (M)	30	35	40	45	50



# Vertical Submersible Pump Set (V3 & V4)



### Applications

Drinking water supply for domestic and community, Sprinkler and Drip irrigation, Gardening, Farm Irrigation, Educational Institutes, High storey buildings, Industrial water supply, Construction site and Hotels etc.

### Features

- Designed for high efficiency water lifting
- Cast Iron Components are CED Coated
- All V3 and Selected V4 ratings are in Copper Rotor.
- Wide Voltage Band
- Inbuilt Non Return valve (NRV)

Construction Detail			
Parameter	Water Filled	Water Filled	Oil Filled
Motor and Pump Dia	80mm (3 Inches)	100mm (4 Inches)	100mm (4 Inches)
Motor Body & Pump Casing	Stainless Steel 202	Stainless Steel 202	Stainless Steel 202
Motor and Pump Shaft	Stainless Steel 410	Stainless Steel 410	Stainless Steel 410
Motor Stamping	High grade electrical stamping	High grade electrical stamping	High grade electrical stamping
Winding	Poly wrapped Copper	Poly wrapped Copper	Enameled Copper
Motor	Water	Water	Prefilled with Oil
Voltage Band	1 Ph 160v-240v, 50Hz	1 Ph 160v-240v, 50Hz	1 Ph 160v-240v, 50Hz
Motor Bearing	Thrust Bearing - SS Vs Carbon	Thrust Bearing - SS Vs Carbon	Ball Bearing
Bush	Bronze LTB-4	Bronze LTB-4	N/A
RPM (Synchronous)	3000	3000	3000
Diffuser / Bowl	Noryl	Noryl	Noryl
Impeller	Noryl	Noryl	Noryl
Fasteners	SS 304	SS 304	SS 304
Sealing	Oil Seal	Oil Seal	Oil Seal
Cable Length	1.5 Mtr	1.5mtr	1.5mtr
Discharge Outlet	Cast Iron	Cast Iron fitted with NRV	Cast Iron fitted with NRV

### Submersible Pumpsets for 3" / 80mm Borewells , 220V, Single Phase , 50Hz , AC Power Supply

Cat ref V3 - 80mm Water Filled (Copper Rotor)	KW	HP	No. of Stage	Phase	Outlet Pipe Size ( mm )	Discharge In LPM												Capacitors		Current (Amp.)
						15	25	35	40	45	50	60	70	75	80	90	100	Start Mfd	Run Mfd	
						Head in Meter														
V3W1010C1-FA/AF	0.75	1	10	1	32	40	37	33	32	30	29	25	22	20	18	14	7	100 / 120	50	6.80
V3W1012C1-FA/AF	0.75	1	12	1	32	45	42	39	37	34	31	25	19	14	8			100 / 120	50	6.80
V3W1016C1-FB/AH	0.75	1	16	1	32	58	54	49	46	42	38	30	22	17	10			100 / 120	50	7.30
V3W1214C1-FD	0.95	1.25	14	1	32	55	53	50	48	46	44	40	35	32	29	21	10	100 / 120	50	7.30

Cat ref V3 - 80mm Water Filled (Copper Rotor)	KW	HP	No. of Stage	Phase	Outlet Pipe Size ( mm )	Discharge In LPM												Capacitors		Current (Amp.)
						10	15	20	25	30	35	40	45	50	55	60	65	Start Mfd	Run Mfd	
						Head in Meter														
V3W0509C1-FC	0.37	0.5	9	1	32	35	35	34	33	32	30	28	25	22	19	15	10	100 / 120	50	6.80
V3W1019C1-FC	0.75	1	19	1	32	73	70	66	63	60	55	50	45	40	35	25	10	100 / 120	50	6.8
V3W1019C1-AH	0.75	1	19	1	32	73	70	66	63	60	55	50	48	43	40	34	25	100 / 120	50	6.8
V3W1525C1-FC	1.10	1.5	25	1	32	97	94	91	88	83	76	69	61	53	44	32	19	120 / 150	72	10
V3W1530C1-FC	1.10	1.5	30	1	32	112	109	105	100	94	86	76	66	56	45	34	14	120 / 150	72	10

Cat ref V4 - 100mm Water Filled	KW	HP	No. of Stage	Phase	Outlet Pipe Size ( mm )	Discharge In LPM							Capacitors		Current (Amp.)
						20	30	40	50	60	70	90	Start Mfd	Run Mfd	
						Head in Meter									
V4W1007A1J	0.75	1	7	1	40	50	46	42	38	33	27	12	100-120	50	6.8
V4W1007A1J-32	0.75	1	7	1	32	50	46	42	38	33	27	12	100-120	50	6.8
V4W1010A1J	0.75	1	10	1	40	70	65	60	54	47	38	17	100-120	36	7.5

Cat ref V4 - 100mm Water Filled	KW	HP	No. of Stage	Phase	Outlet Pipe Size ( mm )	Discharge In LPM								Capacitors		Current (Amp.)
						20	30	40	50	60	70	90	100	Start Mfd	Run Mfd	
						Head in Meter										
V4W1007A1B	0.75	1.00	7	1	40	45	43	41	38	34	29	18	12	100-120	50	6.8
V4W1007A1B-32	0.75	1.00	7	1	32	45	43	41	38	34	29	18	12	100-120	50	6.8
V4W1008A1B	0.75	1.00	8	1	40	50	48	45	41	37	33	20	10	100-120	50	6.8
V4W1008A1B-32	0.75	1.00	8	1	32	50	53	45	41	37	33	20	10	100-120	50	6.8
V4W1010A1B	0.75	1.00	10	1	40	62	60	55	50	44	36	22	15	100-120	50	6.8
V4W1010A1B-32	0.75	1.00	10	1	32	62	60	55	50	44	36	22	15	100-120	50	6.8
V4W1012A1B	0.75	1.00	12	1	32	70	67	62	56	50	43	26	15	100-120	50	6.8
V4W1512A1B	1.10	1.50	12	1	40	74	70	65	60	53	46	26	16	120-150	72	9.62
V4W2014A1B	1.50	2.00	14	1	40	88	82	76	70	62	53	32	20	250-200	100	11.00
V4W2014A3B	1.50	2.00	14	3	40	88	82	76	70	62	53	32	20	NA	NA	4.50

Cat ref V4 - 100mm Water Filled	KW	HP	No. of Stage	Phase	Outlet Pipe Size ( mm )	Discharge In LPM								Capacitors		Current (Amp.)
						20	30	50	60	70	80	100	115	Start Mfd	Run Mfd	
						Head in Meter										
V4W1010A1A	0.75	1.00	10	1	32	55	54	50	46	41	35	22	11	100-120	50	6.87
V4W1010A1A-40	0.75	1.00	10	1	40	55	54	50	46	41	35	22	11	100-120	50	6.87
V4W1514A1A	1.10	1.50	14	1	32	77	76	70	64	57	49	31	16	120-150	72	9.62
V4W2016A1A	1.50	2.00	16	1	32	88	86	80	74	66	56	35	20	250-200	100	12.65
V4W2016A1A-40	1.50	2.00	16	1	40	88	86	80	74	66	56	35	20	250-200	100	12.65

Cat ref V4 - 100mm Water Filled	KW	HP	No. of Stage	Phase	Outlet Pipe Size ( mm )	Discharge In LPM								Capacitors		Current (Amp.)
						9	18	27	36	45	50	55	65	Start Mfd	Run Mfd	
						Head in Meter										
V4W0508A1C	0.37	0.50	8	1	32	38	35	32	27	22	19	15	8	80-100	30	4.85
V4W0712A1C	0.55	0.75	12	1	32	57	53	48	41	33	28	22	11	100-120	36	5.68
V4W1016A1C	0.75	1.00	16	1	32	76	70	64	54	44	38	30	15	100-120	50	6.87
V4W1018A1C	0.75	1.00	18	1	32	86	79	72	61	50	42	33	17	100-120	50	6.87
V4W1021A1C	0.75	1.00	21	1	32	100	92	84	71	58	49	39	20	100-120	50	6.87
V4W1525A1C	1.10	1.50	25	1	32	116	106	97	81	66	56	47	22	120-150	72	9.62
V4W2032A1C	1.50	2.00	32	1	32	148	136	124	103	85	72	60	28	150-200	100	12.65

Cat ref V4 - 100mm Water Filled	KW	HP	No. of Stage	Phase	Outlet Pipe Size ( mm )	Discharge In LPM								Capacitors		Current (Amp.)
						15	20	30	35	40	45	55	60	Start Mfd	Run Mfd	
						Head in Meter										
V4W0508A1H	0.37	0.50	8	1	32	52	48	40	36	32	26	16	8	80-100	30	5.30
V4W0712A1H	0.55	0.75	12	1	32	78	72	60	54	47	38	24	12	100-120	36	6.12
V4W1013A1H	0.75	1.00	13	1	32	85	78	65	59	51	41	26	13	100-120	36	7.5
V4W1016A1H	0.75	1.00	16	1	32	104	96	80	72	63	51	32	16	100-120	36	7.5
V4W1520A1H	1.10	1.50	20	1	32	130	120	100	90	79	64	40	20	120-150	50	10.5
V4W1524A1H	1.10	1.50	24	1	32	156	144	120	108	95	77	48	24	120-150	50	10.5
V4W2025A1H	1.50	2.00	25	1	32	163	150	125	113	98	80	50	25	150-200	36+36	13.8
V4W2032A1H	1.50	2.00	32	1	32	208	192	160	144	126	102	64	32	150-200	36+36	13.8

Cat ref V4 - 100mm Water Filled	Power Rating		No. of Stage	Phase	Outlet Pipe Size (mm)	Discharge In LPM								Capacitors		Current (Amp.)
	KW	HP				28	35	45	60	65	70	80	90	Start Mfd	Run Mfd	
						Head in Meter										
V4W0707A1J	0.55	0.75	7	1	32	49	46	42	35	32	28	21	14	100-120	36	6.20
V4W1010A1J	0.75	1.00	10	1	32	70	65	60	50	45	40	30	20	100-120	36	7.50
V4W1010A1J-40	0.75	1.00	10	1	40	70	65	60	50	45	40	30	20	100-120	36	7.50
V4W1515A1J	1.10	1.50	15	1	32	105	98	90	75	68	60	45	30	120-150	50	10.50
V4W2020A1J	1.50	2.00	20	1	32	140	130	120	100	90	80	60	40	150-200	36+36	13.80
V4W3025A1J	2.20	3.00	25	1	32	175	163	150	125	113	100	75	50	200-250	36+36+36	19.80
V4W3028A1J	2.20	3.00	28	1	32	196	182	168	140	126	112	84	56	200-250	36+36+36	19.80
V4W3030A1J	2.20	3.00	30	1	32	210	195	180	150	135	120	90	60	200-250	36+36+36	19.80

Cat ref V4 - 100mm Water Filled	Power Rating		No. of Stage	Phase	Outlet Pipe Size (mm)	Discharge In LPM								Capacitors		Current (Amp.)
	KW	HP				40	50	55	70	78	85	95	105	Start Mfd	Run Mfd	
						Head in Meter										
V4W1008A1K	0.75	1.00	8	1	40	56	52	49	40	36	32	24	16	100-120	36	7.50
V4W1512A1K	1.10	1.50	12	1	40	84	78	73	60	54	48	36	24	120-150	50	10.50
V4W2016A1K	1.50	2.00	16	1	40	112	104	98	80	72	64	48	32	150-200	36+36	13.80

Cat ref V4 - 100mm Water Filled	Power Rating		No. of Stage	Phase	Outlet Pipe Size (mm)	Discharge In LPM								Capacitors		Current (Amp.)
	KW	HP				10	30	50	70	100	130	150	170	Start Mfd	Run Mfd	
						Head in Meter										
V4W2008A1P	1.50	2.00	8	1	50	52	50	48	45	40	32	25	16	150-200	36+36	13.80
V4W2010A1P	1.50	2.00	10	1	50	63	61	58	55	49	40	30	20	150-200	36+36	13.80

Cat ref V4 - 100mm Water Filled	Power Rating		No. of Stage	Phase	Outlet Pipe Size (mm)	Discharge In LPM								Capacitors		Current (Amp.)
	KW	HP				10	30	50	70	90	100	120	140	Start Mfd	Run Mfd	
						Head in Meter										
V4W1510A1Q	1.10	1.50	10	1	50	75	71	66	58	46	40	25	10	120-150	50	10.50
V4W1510A3Q	1.10	1.50	10	3	50	75	71	66	58	46	40	25	10	NA	NA	4.00
V4W1510A1Q-40	1.10	1.50	10	1	40	75	71	66	58	46	40	25	10	120-150	50	10.50
V4W1510A3Q-40	1.10	1.50	10	3	40	75	71	66	58	46	40	25	10	NA	NA	4.00

Cat ref V4 - 100mm Water Filled	Power Rating		No. of Stage	Phase	Outlet Pipe Size (mm)	Discharge In LPM								Capacitors		Current (Amp.)
	KW	HP				15	20	25	30	35	40	50	60	Start Mfd	Run Mfd	
						Head in Meter										
V4W0506A1N	0.37	0.50	6	1	32	32	31	30	29	27	25	18	10	80-100	30	5.30
V4W0508A1N	0.37	0.50	8	1	32	42	41	40	38	36	33	26	15	80-100	30	5.30

### Copper Rotor Pumpset

Cat ref V4 - 100mm Water Filled	Power Rating		No. of Stage	Phase	Outlet Pipe Size (mm)	Discharge In LPM								Capacitors		Current (Amp.)
	KW	HP				20	30	40	50	60	70	90	100	Start Mfd	Run Mfd	
						Head in Meter										
V4W1012C1B	0.75	1.00	12	1	32	70	67	62	56	50	43	26	15	100-120	50	6.8
V4W3021C1B	2.2	3	21	1	32	135	129	123	114	102	87	54	36	200-250	36+36+36	19.8
V4W3026C1B	2.2	3	26	1	32	167	160	153	141	126	108	67	45	200-250	36+36+36	19.8

Cat ref V4 - 100mm Water Filled	Power Rating		No. of Stage	Phase	Outlet Pipe Size (mm)	Discharge In LPM								Capacitors		Current (Amp.)
	KW	HP				15	20	30	35	40	45	55	60	Start Mfd	Run Mfd	
						Head in Meter										
V4W0508C1H	0.37	0.50	8	1	32	52	48	40	36	32	26	16	8	80-100	30	5.30
V4W0712C1H	0.55	0.75	12	1	32	78	72	60	54	47	38	24	12	100-120	36	6.12
V4W1013C1H	0.75	1.00	13	1	32	85	78	65	59	51	41	26	13	100-120	36	7.5
V4W1016C1H	0.75	1.00	16	1	32	104	96	80	72	63	51	32	16	100-120	36	7.5
V4W1520C1H	1.10	1.50	20	1	32	130	120	100	90	79	64	40	20	120-150	50	10.5

Catref V4 - 100mm Water Filled	Power Rating		No. of Stage	Phase	Outlet Pipe Size ( mm )	Discharge In LPM								Capacitors		Current (Amp.)
	KW	HP				15	20	30	35	40	45	55	60	Start Mfd	Run Mfd	
V4W1524C1H	1.10	1.50	24	1	32	156	144	120	108	95	77	48	24	120-150	50	10.5
V4W2025C1H	1.50	2.00	25	1	32	163	150	125	113	98	80	50	25	150-200	36+36	13.8
V4W2032C1H	1.50	2.00	32	1	32	208	192	160	144	126	102	64	32	150-200	36+36	13.8
V4W3040C1H	2.20	3.00	40	1	32	260	240	200	180	160	130	80	40	200-250	36+36+36	19.8

Catref V4 - 100mm Water Filled	Power Rating		No. of Stage	Phase	Outlet Pipe Size ( mm )	Discharge In LPM								Capacitors		Current (Amp.)
	KW	HP				28	35	45	60	65	70	80	90	Start Mfd	Run Mfd	
V4W0707C1J	0.55	0.75	7	1	32	49	46	42	35	32	28	21	14	100-120	36	6.20
V4W1010C1J	0.75	1.00	10	1	32	70	65	60	50	45	40	30	20	100-120	36	7.50
V4W1010C1J-40	0.75	1.00	10	1	40	70	65	60	50	45	40	30	20	100-120	36	7.50
V4W1515C1J	1.10	1.50	15	1	32	105	98	90	75	68	60	45	30	120-150	50	10.50
V4W2020C1J	1.50	2.00	20	1	32	140	130	120	100	90	80	60	40	150-200	36+36	13.80
V4W3025C1J	2.20	3.00	25	1	32	175	163	150	125	113	100	75	50	200-250	36+36+36	19.80
V4W3028C1J	2.20	3.00	28	1	32	196	182	168	140	126	112	84	56	200-250	36+36+36	19.80
V4W3030C1J	2.20	3.00	30	1	32	210	195	180	150	135	120	90	60	200-250	36+36+36	19.80

Catref V4 - 100mm Water Filled	Power Rating		No. of Stage	Phase	Outlet Pipe Size ( mm )	Discharge In LPM								Capacitors		Current (Amp.)
	KW	HP				40	50	55	70	78	85	95	105	Start Mfd	Run Mfd	
V4W1008C1K	0.75	1.00	8	1	40	56	52	49	40	36	32	24	16	100-120	36	7.50
V4W1512C1K	1.10	1.50	12	1	40	84	78	73	60	54	48	36	24	120-150	50	10.50
V4W2016C1K	1.50	2.00	16	1	40	112	104	98	80	72	64	48	32	150-200	36+36	13.80

Catref V4 - 100mm Water Filled	Power Rating		No. of Stage	Phase	Outlet Pipe Size ( mm )	Discharge In LPM								Capacitors		Current (Amp.)
	KW	HP				10	30	50	70	100	130	150	170	Start Mfd	Run Mfd	
V4W3015C1P	2.20	3.00	15	1	50	95	92	87	83	74	60	45	30	200-250	36+36+36	19.80

Catref V4 - 100mm Water Filled	Power Rating		No. of Stage	Phase	Outlet Pipe Size ( mm )	Discharge In LPM								Capacitors		Current (Amp.)
	KW	HP				50	100	200	300	350	400	450	Start Mfd	Run Mfd		
															Head in Meter	
V4W2007C1R	1.50	2.00	7	1	65	35	33	28	22	18	12	6	150-200	36+36	13.80	
V4W2007A2R	1.50	2.00	7	2	65	35	33	28	22	18	12	6	150-200	36+36	13.80	
V4W3009C1R	2.20	3.00	9	1	65	45	42	35	28	23	15	8	200-250	36+36+36	19.80	

#### Oil Filled Pumpset

Catref V4 - 100mm Water Filled	Power Rating		No. of Stage	Phase	Outlet Pipe Size ( mm )	Discharge In LPM								Capacitors		Current (Amp.)
	KW	HP				20	30	40	50	60	70	90	Start Mfd	Run Mfd		
															Head in Meter	
V4O1007A1J	0.75	1	7	1	40	50	46	42	38	33	27	12	100-120	50	6.8	
V4O1007A1J-32	0.75	1	7	1	32	50	46	42	38	33	27	12	100-120	50	6.8	
V4O1010A1J	0.75	1	10	1	40	70	65	60	54	47	38	17	100-120	36	7.5	

Catref V4 - 100mm Oil Filled	Power Rating		No. of Stage	Phase	Outlet Pipe Size ( mm )	Discharge In LPM								Capacitors		Current (Amp.)
	KW	HP				20	30	40	50	60	70	90	100	Start Mfd	Run Mfd	
V4O1007A1F	0.75	1.00	7	1	40	45	43	41	38	34	29	18	12	N/A	36	6.14
V4O1007A1F-32	0.75	1.00	7	1	32	45	43	41	38	34	29	18	12	N/A	36	6.14
V4O1512A1F	1.10	1.50	12	1	40	74	70	65	60	53	46	26	16	N/A	50	10.00
V4O2014A1F	1.50	2.00	14	1	40	88	82	76	70	62	53	32	20	N/A	72	11.00

Catref V4 - 100mm Oil Filled	Power Rating		No. of Stage	Phase	Outlet Pipe Size ( mm )	Discharge In LPM								Capacitors		Current (Amp.)
	KW	HP				20	30	50	60	70	80	100	115	Start Mfd	Run Mfd	
V4O1010A1E	0.75	1.00	10	1	32	55	54	50	46	41	35	22	11	N/A	36	6.14
V4O1514A1E	1.10	1.50	14	1	32	77	76	70	64	57	49	31	16	N/A	50	8.70
V4O2016A1E	1.50	2.00	16	1	32	88	86	80	74	66	56	35	20	N/A	72	11.45

Catref V4 - 100mm Oil Filled	Power Rating		No. of Stage	Phase	Outlet Pipe Size ( mm )	Discharge In LPM								Capacitors		Current (Amp.)
	KW	HP				9	18	27	36	45	50	55	65	Start Mfd	Run Mfd	
V4O0508A1D	0.37	0.50	8	1	32	38	35	32	27	22	19	15	8	N/A	30	4.10
V4O0712A1D	0.55	0.75	12	1	32	57	53	48	41	33	28	22	11	N/A	36	5.00
V4O1016A1D	0.75	1.00	16	1	32	76	70	64	54	44	38	30	15	N/A	36	7.10
V4O1018A1D	0.75	1.00	18	1	32	86	79	72	61	50	42	33	17	N/A	36	7.10
V4O1020A1D	0.75	1.00	20	1	32	95	88	80	68	55	47	37	19	N/A	36	7.10
V4O1525A1D	1.10	1.50	25	1	32	116	106	97	81	66	56	47	22	N/A	50	8.70
V4O2032A1D	1.50	2.00	32	1	32	148	136	124	103	85	72	60	28	N/A	72	11.45

AGRICULTURAL Bore well  
Submersible pump  
(V4, V5, V6, V7 & V8)



**Applications**

- Farm Irrigation
- Sprinkler irrigation
- Industrial Water Supply
- High Rise Buildings
- Construction Sites

**Features**

- V4 Pumpset Cast Iron components are CED coated
- Design Mixed and Radial flow for high efficiency water lifting
- Copper Rotor
- Wide Voltage band, 3Ph (350v-440v) 50Hz, 1Ph (160v-240v) 50Hz.
- Fitted with NRV Valve.
- Ranges from Starting from 3.0 HP– 40 HP in 3Ph & Selected model is also available in 1PH.
- Specially designed Tubular packing (Paper core) for safe delivery during transportation.
- “JANTA” Models are also available in combination of 6 Inch Motor with 7 Inch Pump and 6 Inch motor with 8 Inch Pump

**Material Details:**

Model	Impeller	Bowl/Diffuser
V4	NORYL	NORYL / CAST IRON FG 200*
V5	SS 410	CAST IRON - FG 200
V6	SS 410	CAST IRON - FG 200 / SS 410*
V7 and V8	SS 410	CAST IRON - FG 200

**Material of Construction –Motor**

V4 WATER FILLED MOTOR		
S. No	PART NAME	MATERIAL
1	ROTOR SHAFT	SS 420
2	SAND SLINDER	NITRILE RUBBER + SS
3	SAND COVER	SS 410
4	OIL SEAL	NITRILE RUBBER
5	ADAPTOR	CI FG-200
6	THRUST BEARING	CARBON + MS
7	STAMPING	CRNO M-47
8	STATOR PIPE	SS 202
9	BEARING BUSH	LTB-4
10	LOWER HOUSING	CI FG-200
11	DIAPHRAGM	NITRILE RUBBER
12	MOTOR BASE	CI,FG-200

V4 RADIAL & MIXED FLOW PUMP		
S. No	PART NAME	MATERIAL
1	NRV	CAST IRON FG-200
2	VALVE ASSY.	SS 410
3	RUBBER BUSH	NITRILE RUBBER
4	MIDDLE	NORYL GNF3
5	PUMP SHAFT	SS 420/431
6	PUMP TUBE	SS 202
7	BOWL	NORYL GNF3
8	IMPELLER	NORYL GNF3
9	SLEEVE	SS 410
10	COUNTER BUSH	NITRILE RUBBER+CS
11	COUPLE	SS 410
12	INTERMEDIATE	CAST IRON FG-200

**Material of Construction -Motor**

V6 WATER FILLED MOTOR		
S. No	PART NAME	MATERIAL
1	COUPLE	SS 410
2	SAND GUARD	SS 420
3	OIL SEAL	NITRILE RUBBER + SS
4	ADAPTOR	CI FG-200
5	BEARING BUSH	LTB-4
6	UPPER HOUSING	CI FG-200
7	STATOR PIPE	SS 202
8	ROTOR SHAFT	SS 420/431
9	STAMPING	CRNO-M47
10	LOWER HOUSING	CI FG-200
11	T-BOLT	CARBON STEEL , EN-8
12	THRUST BEARING	SS AISI-410 + CARBON
13	MOTOR BASE	CI FG-200
14	DIAPHRAGM	NITRILE RUBBER
15	MOTOR BASE PLATE	SS AISI-410

V8 WATER FILLED MOTOR		
S. No	PART NAME	MATERIAL
1	COUPLE	SS 410
2	SAND GUARD	SS 420
3	OIL SEAL	NITRILE RUBBER + SS
4	ADAPTOR	CI,FG-200
5	BEARING BUSH	LTB-4
6	UPPER HOUSING	CI FG-200
7	STATOR PIPE	SS 202
8	ROTOR SHAFT	SS 420/431
9	STAMPING	CRNO-M47
10	LOWER HOUSING	CI,FG-200
11	T-BOLT	CARBON STEEL, EN-8
12	THRUST BEARING	SS AISI-410+ CARBON
13	MOTOR BASE	CI FG-200
14	DIAPHRAGM	NITRILE RUBBER
15	MOTOR BASE PLATE	CI FG-200

**Material of Construction -Pumps**

V6 & V8 MIXED FLOW PUMP		
S. No	PART NAME	MATERIAL
1	NRV	CAST IRON FG-200
2	CABLE GUARD	SS 410
3	VALVE ASSY.	SS 202
4	BEARING BUSH	NITRILE RUBBER+CS
5	IMPELLER	SS 410
6	BOWL	CAST IRON FG-200
7	WEAR RING	NITRILE RUBBER+CS
8	COUNTER BUSH	LTB-4
9	THRUST WASHER	SS 410
10	RUBBER BUSH	NITRILE RUBBER+CS
11	PUMP SHAFT	SS 420/431

V6 & V8 RADIAL FLOW PUMP		
S. No	PART NAME	MATERIAL
1	NRV	CAST IRON FG-200
2	CABLE GUARD	SS 410
3	VALVE ASSY.	SS 202
4	T-BOLT	MILD STEEL/SS
5	BOWL CAP	PP CP-3530
6	DISCHARGE OUTLET	CAST IRON FG-200
7	BEARING BUSH	NITRILE RUBBER+CS
8	IMPELLER	SS 410
9	BOWL	CAST IRON FG-200
10	SLEEVE	SS 410
11	PUMP SHAFT	SS 420/431

100mm 4" Bore Well – Water Filled – Mix Flow													
Catref*	Motor Rating		Stage	Outlet Pipe Size	Impeller	Discharge (LPM)							
	KW	HP				LPM	100	170	230	260	320	350	550
CG4M0206NSA-1P/2P*	1.5	2	6	65	Virgin Noryl	Head in Meters	29	25	21	19	15	13	8
CG4M0206NSA*	1.5	2	6	65			29	25	21	19	15	13	8
CG4M0206NSB-1P/2P	1.5	2	6	65			29	25	21	19	15	13	8
CG4M0206NSB	1.5	2	6	65			29	25	21	19	15	13	8
CG4M0307NSA-1P/2P*	2.2	3	7	65			35	30	25	24	19	17	10
CG4M0307NSA*	2.2	3	7	65			35	30	25	24	19	17	10
CG4M0307NSB-1P/20	2.2	3	7	65			35	30	25	24	19	17	10
CG4M0307NSB	2.2	3	7	65			35	30	25	24	19	17	10

100mm 4" Bore Well – Water Filled – Mix Flow

Catref*	Motor Rating		Stage	Outlet Pipe Size	Impeller	Discharge (LPM)							
	KW	HP				LPM	100	200	350	395	480	520	550
CG4M0206E24-1P	1.5	2	5	65	Virgin Noryl	Head in Meters	27	25	21	19	15	13	9
CG4M0206E24-2P	1.5	2	5	65			27	25	21	19	15	13	9
						<b>LPM</b>	<b>100</b>	<b>200</b>	<b>250</b>	<b>300</b>	<b>350</b>	<b>400</b>	<b>500</b>
CG4M030718C-1P*	2.2	3	7	65		Head in Meters	33	28	25	21	17	13	6
CG4M030718C*	2.2	3	7	65			33	28	25	21	17	13	6
CG4M030818C-1P*	2.2	3	8	65			38	32	28	24	19	15	7
CG4M030818C*	2.2	3	8	65			38	32	28	24	19	15	7
						<b>LPM</b>	<b>105</b>	<b>120</b>	<b>130</b>	<b>160</b>	<b>175</b>	<b>190</b>	<b>205</b>
CG4M0310E10-1P	2.2	3	10	50		Head in Meters	49	47	45	40	36	30	23
CG4M0310E10	2.2	3	10	50			49	47	45	40	36	30	23
CG4M0312E10-1P	2.2	3	12	50			59	56	54	48	43	36	28
CG4M0312E10	2.2	3	12	50			59	56	54	48	43	36	28
						<b>LPM</b>	<b>226</b>	<b>274</b>	<b>298</b>	<b>333</b>	<b>381</b>	<b>429</b>	<b>452</b>
CG4M0307E20-1P	2.2	3	7	65		Head in Meters	27	24	22	21	18	14	12
CG4M0307E20	2.2	3	7	65			27	24	22	21	18	14	12
CG4M0410E20	3	4	10	65			38	34	32	30	25	20	17
CG4M0512E20	3.7	5	12	65			46	41	38	36	30	24	20

\* Ratings model with CI Bowl

100mm 4" Bore Well – Water Filled – Radial Flow

Catref	Motor Rating		Stage	Outlet Pipe Size	Impeller	LPM	Discharge (LPM)						
	KW	HP					6	8	14	22	25	33	40
CG4R0350E00	2.2	3	50	32	Virgin Noryl	Head in Meters	325	315	290	250	235	175	110
							<b>LPM</b>	<b>15</b>	<b>20</b>	<b>25</b>	<b>30</b>	<b>36</b>	<b>42</b>
CG4R0340E15	2.2	3	40	32		Head in Meters	260	248	228	200	164	116	56
							<b>LPM</b>	<b>20</b>	<b>25</b>	<b>32</b>	<b>40</b>	<b>50</b>	<b>55</b>
CG4R0330E02-1P	2.2	3	30	32		Head in Meters	220	210	200	180	145	130	110
CG4R0330E02	2.2	3	30	32			220	210	200	180	145	130	110
CG4R0550E02	3.7	5	50	32			340	325	295	250	180	135	80

Suitable for 125mm 5" Bore Well – Water Filled – Mixed Flow

Catref*	Motor Rating		Stage	Outlet Pipe Size	Impeller	Discharge (LPM)							
	KW	HP				LPM	270	330	380	450	500	550	600
CG5M0404Z10-1P	3	4	4	80	Stainless Steel	Head in Meters	34	32	30	27	24	20	16
CG5M0404Z10	3	4	4	80			34	32	30	27	24	20	16
CG5M0505Z10	3.7	5	5	80			42	40	38	34	30	25	20
CG5M0606Z10	4.5	6	6	80			50	48	46	41	36	30	24
						<b>LPM</b>	<b>290</b>	<b>380</b>	<b>460</b>	<b>550</b>	<b>620</b>	<b>680</b>	<b>750</b>
CG5M0403Z12-1P	3	4	3	80		Head in Meters	26	25	23	20	18	14	11
CG5M0403Z12	3	4	3	80			26	25	23	20	18	14	11
CG5M0504Z12-1P	3.7	5	4	80			35	33	31	27	24	19	14
CG5M0504Z12	3.7	5	4	80			35	33	31	27	24	19	14
CG5M0605Z12	4.5	6	5	80			44	42	39	34	30	24	18
						<b>LPM</b>	<b>460</b>	<b>530</b>	<b>610</b>	<b>680</b>	<b>740</b>	<b>790</b>	<b>830</b>
CG5M0503Z15	3.7	5	3	80		Head in Meters	25	23	22	21	20	17	15
CG5M0604Z15	4.5	6	4	80			33	31	30	28	26	23	20

V5 All models and ratings marked above with '\*' are with CI Bowl

Suitable for 150mm 6" Bore Well – Water Filled – Mixed Flow

Catref	Motor Rating		Stage	Outlet Pipe Size	Impeller	Discharge (LPM)							
	KW	HP				LPM	100	280	380	450	520	550	600
CG6M0304H08-1P	2.2	3	4	80	Stainless Steel	Head in Meters	40	35	30	25	20	15	10
CG6M0304H08	2.2	3	4	80		40	35	30	25	20	15	10	
						LPM	110	170	240	330	400	490	560
CG6M0505H10	3.7	5	5	80		Head in Meters	68	64	58	50	44	33	25
						LPM	140	230	350	400	480	540	610
CG6M0706H12	5.5	7.5	6	80		Head in Meters	83	78	68	63	53	45	33
						LPM	250	300	350	430	510	620	700
CG6M0705H15	5.5	7.5	5	80		Head in Meters	66	64	61	55	48	33	20
						LPM	250	340	450	630	700	860	980
CG6M1006H18	7.5	10	6	80		Head in Meters	84	79	72	60	54	36	18
						LPM	310	475	580	630	710	810	960
CG6M1005H20	7.5	10	5	100		Head in Meters	73	64	59	55	52	45	35
CG6M1206H20	9.3	12.5	6	80		87	76	70	66	62	54	42	
						LPM	500	600	700	780	850	950	1100
CG6M1004H25	7.5	10	4	100		Head in Meters	54	51	48	44	41	36	27
CG6M1205H25	9.3	12.5	5	100		68	64	60	55	52	45	34	
CG6M1506H25	11	15	6	80		81	77	72	66	62	54	41	
						LPM	300	520	750	850	950	1080	1150
CG6M1505H30	11	15	5	100		Head in Meters	78	70	60	55	48	38	30
						LPM	160	245	370	430	475	510	550
CG6M0505Z10-1P	3.7	5	5	80		Head in Meters	46	44	41	39	37	36	34
CG6M0505Z10	3.7	5	5	80		46	44	41	39	37	36	34	
						LPM	330	440	480	520	580	620	680
CG6M0504Z12-1P	3.7	5	4	80		Head in Meters	37	34	33	31	29	28	25
CG6M0504Z12	3.7	5	4	80		37	34	33	31	29	28	25	
						LPM	290	460	620	840	905	940	1000
CG6M0704Z20	5.5	7.5	4	100		Head in Meters	43	41	37	31	28	27	22

Suitable for 150mm 6" Bore Well – Water Filled – Radial Flow

Catref	Motor Rating		Stage	Outlet Pipe Size	Impeller	Discharge (LPM)							
	KW	HP				LPM	170	220	275	300	360	390	430
CG6R0706H125*	5.5	7.5	6	65	Stainless Steel	Head in Meters	95	88	78	72	59	51	41
CG6R1008H125*	7.5	10	8	65			126	118	104	96	78	68	54
CG6R1512H125*	11	15	12	65			190	176	156	144	118	102	82
CG6R1714H125*	13	17.5	14	65			221	206	182	168	137	119	95
						LPM	230	280	320	380	425	460	480
CG6R1208H150*	9.3	12.5	8	65		Head in Meters	120	112	106	96	86	78	72
CG6R1510H150*	11	15	10	65			150	140	132	120	108	98	90
CG6R1712H150*	13	17.5	12	65			180	168	158	144	130	118	108
CG6R2014H150*	15	20	14	65			210	196	185	168	151	137	126
						LPM	245	265	295	320	350	370	395
CG6R0505Z100	3.7	5	5	50		Head in Meters	53	50	48	44	40	38	33
CG6R0708Z100	5.5	7.5	8	50			84	80	76	70	64	60	52
CG6R1010Z100	7.5	10	10	50			105	100	95	87	80	75	65
CG6R1213Z100	9.3	12.5	13	50			137	130	124	113	104	98	85
CG6R1516Z100	11	15	16	50			168	160	152	139	128	120	104
CG6R2020Z100	15	20	20	50			210	200	190	174	160	150	130

Suitable for 150mm 6" Bore Well - Water Filled - Radial Flow													
Catref	Motor Rating		Stage	Outlet Pipe Size	Impeller	Discharge (LPM)							
	KW	HP				LPM	54	90	120	150	198	222	240
CG6R0308Z40	2.2	3	8	50	Stainless Steel	Head in Meters	76	69	62	56	42	34	28
CG6R0512Z40	3.7	5	12	50		LPM	114	103	92	84	63	51	42
						LPM	85	110	130	150	175	210	225
CG6R0510Z50	3.7	5	10	50		Head in Meters	102	96	92	87	81	72	68
						LPM	90	130	160	190	220	240	260
CG6R0305Z60	2.2	3	5	50		Head in Meters	54	51	47	44	38	33	28
CG6R0508Z60	3.7	5	8	50		LPM	86	81	75	70	60	52	44

Suitable for 200mm 8" Bore Well – (Motor–6" & Pump–7") – Water Filled – Mixed Flow (JANTA)														
Catref	Motor Rating		Stage	Outlet Pipe Size	Impeller	Discharge (LPM)								
	KW	HP				LPM	467	1154	1530	1700	1950	2162	2510	
CG7JM0702L40	5.5	7.5	2	100	Stainless Steel	Head in Meters	28	22	18	16	13	10	6	
CG7JM1203L40	9.3	12.5	3	100			42	33	27	24	19	15	9	
CG7JM1504L40	11	15	4	100			56	44	36	32	26	20	12	
CG7JM2005L40	15	20	5	100			70	55	45	40	32	25	15	
						LPM	660	1260	1620	1900	2100	2280	2520	
CG7JM1002L50	7.5	10	2	100		Head in Meters	28	24	20	16	13	10	6	
CG7JM1503L50	11	15	3	100			42	36	30	24	20	15	9	
CG7JM2004L50	15	20	4	100			56	48	40	32	26	20	12	
							LPM	410	500	605	780	880	920	1060
CG7JM0703Z25	5.5	7.5	3	100		Head in Meters	43	41	38	33	30	29	24	
CG7JM1004Z25	7.5	10	4	100			57	54	50	44	40	38	32	
CG7JM1205Z25	9.3	12.5	5	100			71	68	63	55	50	48	40	
							LPM	580	765	850	960	1030	1100	1200
CG7JM1003Z30	7.5	10	3	100		Head in Meters	42	38	36	33	31	28	24	
CG7JM1204Z30	9.3	12.5	4	100			56	51	48	44	41	38	32	
							LPM	230	480	650	820	1200	1430	1520
CG7JM1203Z40	9.3	12.5	3	100			Head in Meters	57	51	46	42	33	27	24
CG7JM1504Z40	11	15	4	100		76		68	62	56	44	36	32	
						LPM		530	780	1020	1170	1440	1550	1600
CG7JM1002Z50	7.5	10	2	100		Head in Meters		37	34	31	28	22	18	16
CG7JM1503Z50	11	15	3	100			56	51	46	42	33	27	24	

Suitable for 200mm 8" Bore Well – Water Filled – Mixed Flow													
Catref	Motor Rating		Stage	Outlet Pipe Size	Impeller	Discharge (LPM)							
	KW	HP				LPM	400	500	600	725	760	800	880
CG8M1003S30	7.5	10	3	100	Stainless Steel	Head in Meters	47	44	42	39	38	36	33
							LPM	650	750	820	910	1000	1150
CG8M1203S40	9.3	12.5	3	100		Head in Meters	49	47	44	42	39	34	30
CG8M1504S40	11	15	4	100			65	62	59	56	52	45	40
						LPM	390	570	970	1100	1210	1300	1420
CG8M1002S50	7.5	10	2	100		Head in Meters	39	36	33	30	27	24	20
CG8M1503S50	11	15	3	100			59	54	50	45	40	36	30
						LPM	780	1050	1200	1320	1400	1520	1600
CG8M1202S60	9.3	12.5	2	100		Head in Meters	40	36	33	30	28	25	22
							LPM	870	1050	1360	1520	1650	1800
CG8M2003S70	15	20	3	100		Head in Meters	60	56	50	45	41	36	30
							LPM	1520	1630	1780	1900	2080	2300
CG8M4004M100	30	40	4	100		Head in Meters	81	78	75	72	67	56	32

Suitable for 200mm 8" Bore Well - Water Filled - Mixed Flow													
CAT REF	Motor Rating		Stage	Outlet Pipe Size	Impeller	Discharge In LPM							
	KW	HP				LPM	700	900	1040	1150	1340	1460	1600
CG8M2004M50	15	20	4	100	Stainless Steel	Head In Meters	72	68	64	60	54	50	44
CG8M2505M50	18.5	25	5	100		Head In Meters	90	85	80	75	68	63	55
						LPM	1050	1280	1420	1550	1630	1970	2150
CG8M2503M80	18.5	25	3	100		Head In Meters	63	59	55	51	48	39	32
						LPM	1020	1180	1310	1450	1530	1700	2000
CG8M3004M70	22	30	4	100		Head In Meters	82	78	74	68	64	58	46

Suitable for 200mm 8" Bore Well - (Motor 6" & Pump-8")- Water Filled Mixed Flow (JANTA)													
CAT REF	Motor Rating		Stage	Outlet Pipe Size	Impeller	Discharge In LPM							
	KW	HP				LPM	480	800	900	1000	1250	1350	1450
CG8JM0702M40	5.5	7.5	2	100	Stainless Steel	Head In Meters	35	32	30	28	24	22	20
CG8JM1203M40	9.3	12.5	3	100		Head In Meters	53	48	45	42	36	33	30
CG8JM1504M40	11	15	4	100		Head In Meters	70	64	60	56	48	44	40
						LPM	700	900	1040	1150	1340	1460	1600
CG8JM1002M50	7.5	10	2	100		Head In Meters	36	34	32	30	27	25	22
CG8JM1503M50	11	15	3	100		Head In Meters	54	51	48	45	41	38	33
						LPM	1350	1475	1600	1800	2100	2250	2450
CG8JM1702M90	13	17.5	2	150		Head In Meters	42	40	38	34	28	24	19

Suitable for 250mm 10" Borewell (Motor- 8" & Pump - 8")-Water Filled Mixed Flow													
Catref*	Motor Rating		Stage	Outlet Pipe Size	Impeller	Discharge (LPM)							
	KW	HP				LPM	1400	2100	3050	3400	3800	4100	4400
CG8M6003L225	45	60	3	150	Stainless Steel	Head In Meters	80	72	60	54	45	36	24



# Control Panel for Water filled submersible pumps 1 Phase



Range: 0.5HP to 3.0HP

## Salient Features

- Robust Construction. Powder Coated Sheet Metal Box.
- Heavy duty Start Capacitor for starting torque.
- Heavy duty Run Capacitor with connector for easy replacement.
- Reputed MCB for Short Circuit Protection.
- Impresso Push Buttons specially designed for Pump Controllers.
- Special purpose Contactor for Motor Switching.
- 72mm\*72mm 30A, 300V Digital VA Meter
- Heavy duty 30A, 5 way connector strip for customer connection.
- Easy customer termination & easy for maintenance.
- Spares easily available almost all over India.



## Technical Recknor

Item Code	CGPCPW05AL	CGPCPW07B	GPCPW10BN	CGPCPW12CN	CGPCPW15CN	CGPCPW15CP	CGPCPW20DQ	CGPCPW30ER
HP	0.5	0.75	1	1.25	1.5	1.5	2	3
MCB (A)	6	6	8	10	13	13	16	20
Run Capacitor (MFD)	30	36	50	50	50	72	100	108
Start Capacitor (MFD)	80-100	100-120	100-120	120-150	120-150	120-150	150-200	200-250
Contactor Rating (A)	20 A, 2 Pole	20 A, 2 Pole	20 A, 2 Pole	20 A, 2 Pole	20 A, 2 Pole	20 A, 2 Pole	20 A, 2 Pole	20 A, 2 Pole
Current Rating (A)	4.5, 4.8, 5.3	5.5, 5.6, 6.1, 6.2	6.8	8, 8.5	10.5	9.6	11, 12.6	19.8
Digital VA Meter	72x72	72x72	72x72	72x72	72x72	72x72	72x72	72x72

\* Standard Packing includes 6 Nos in 1 Master Carton

## Essential Spares

Componet	Item code	Material Description	Std. Pkg. Nos
Start Push Button	S-START02VJ	START PUSH BUTTON GREEN 25MM	20
Stop Push	S-STOP01VJ	STOP PUSH BUTTON RED	
MCB	S-MCB6A	MCB 6A	12
Digital Meter	S-MCB8A	MCB 8A	
	S-MCB10A	MCB 10A	
	S-MCB13A	MCB 13A	
	S-MCB16A	MCB 16A	
	S-MCB20A	MCB 20A	
	S-DMTR7272	DIGITAL VA METER 72X72MM	10
Contactor	S-CONTR20	NINJA VBDPN-20	10

Componet	Item code	Material Description	Std. Pkg. Nos
Run Capacitor	S-CAP30RUN	RUN CAPACITOR 30 MFD	4
	S-CAP36RUN	CAPACITOR RUN 36MFD	
	S-CAP50RUN	RUN CAPACITOR 50 MFD	
	S-CAP72RUN	RUN CAPACITOR 72 MFD	
	S-CAP100RUN	RUN CAPACITOR 100 MFD	2
S-CAP108RUN	RUN CAPACITOR 108 MFD		
Start Capacitor	S-CAP80STR	CAPACITOR START 80-100MFD	4
	S-CAP100STR	START CAPACITOR 100-120 MFD	
	S-CAP120STR	START CAPACITOR 120-150 MFD	
	S-CAP150STR	START CAPACITOR 150-200 MFD	
	S-CAP200STR	START CAPACITOR 200-250 MFD	
Connector	S-CTR30AVJ	CONT. TERMINAL BLOC 30A/5WAY	90



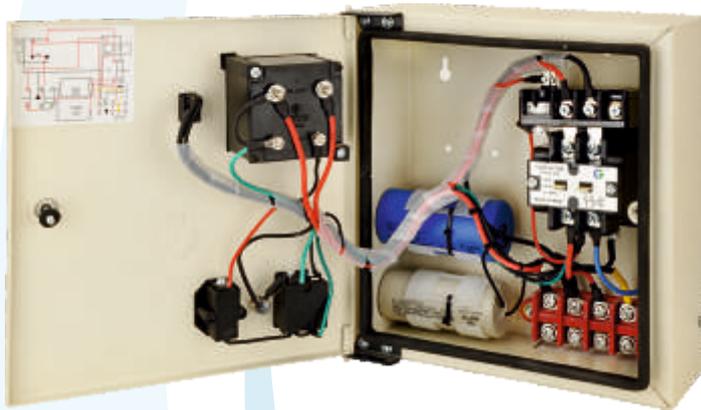
# Control Panel for Water filled submersible pumps – 1Ph



Range – 0.5Hp– 3.0Hp

### Product Features

- Robust Construction, Powder Coated Sheet Metal Box.
- Variable Overload relay ranging from 4-6A to 13-21A.
- High Reliability Special Purpose Start Capacitor for Starting Torque.
- Push Buttons Specially Designed for Pump Controllers.
- Special Purpose DMC Contactor for Motor Switching.
- High Quality Rubber Gasket used to prevent Dust entry.
- 72 x 72 mm 30A, 300V Digital VA Dual Display Meter.
- 5 Way Connector Strip for easy replacement.
- Easy for Maintenance



Item Code	CGPCPW05AL-M	CGPCPW07BM-M	CGPCPW10BN-M	CGPCPW12CN-M	CGPCPW15CN-M	CGPCPW15CP-M	CGPCPW20DQ-M	CGPCPW30ER-M
HP	0.5	0.75	1	5 1.2	1.5	1.5	2	3
Start Capacitor MFD	80-100	100-120	100-120	120-150	120-150	120-150	150-200	200-250
Run Capacitor MFD	30	36	50	50	50	72	100	108
Contactor Rating (A)	16A, 2 Pole	16A, 2 Pole	16A, 2 Pole	16A, 2 Pole	16A, 2 Pole	16A, 2 Pole	24A, 2 Pole	24A, 2 Pole
Relay Range (A)	4.-6A	4-6A	6-10A	6-10A	9-14A	9-14A	13-21A	13-21A
Current Rating (A)	4.5, 4.8 & 5.3	5.5, 5.6, 6.1, 6.2	6.8	8, 8.5	10.5	9.6	11, 12.6	19.8
Digital VA Meter (Dual Display)	72 X 72	72 X 72	72 X 72	72 X 72	72 X 72	72 X 72	72 X 72	72 X 72

### Essential Spares

Componet	Item code	Material Description	Std. Pkg. Nos
Start Push Button	S-START03ME	START PUSH BUTTON GREEN 16A	10
Start Push Button	S-STOP02ME	STOP PUSH BUTTON RED 5A	
MCB	S-OLR06AME	OVERLOAD RELAY 4-6 A	20
	S-OLR10AME	OVERLOAD RELAY 6-10 A	
	S-OLR14AME	OVERLOAD RELAY 9-14 A	
	S-OLR21AME	OVERLOAD RELAY 13-21 A	
Digital Meter	S-DMTR50AME	DIGITAL METER 50 A / 300 V	10
Contactor	S-PCPCN16A	CONTROL PANEL CONTACTOR 2P 16A	10

Componet	Item code	Material Description	Std. Pkg. Nos
Run Capacitor	S-PCPCN16A	CONTROL PANEL CONTACTOR 2P 24A	4
	S-CAP30RUN	RUN CAPACITOR 30 MFD	
	S-CAP36RUN	CAPACITOR RUN 36MFD	
	S-CAP50RUN	RUN CAPACITOR 50 MFD	
	S-CAP72RUN	RUN CAPACITOR 72 MFD	
	S-CAP100RUN	RUN CAPACITOR 100 MFD	
Start Capacitor	S-CAP108RUN	RUN CAPACITOR 108 MFD	4
	S-CAP80STR	CAPACITOR START 80-100MFD	
	S-CAP100STR	START CAPACITOR 100-120 MFD	
	S-CAP120STR	START CAPACITOR 120-150 MFD	
	S-CAP150STR	START CAPACITOR 150-200 MFD	
	S-CAP200STR	START CAPACITOR 200-250 MFD	
Connector Strip	S-CTR60AME	CONT. TERMINAL BLOCK 60A/5WAY	90
Indicator	S-INDCT250V	INDICATOR 150-240V	20

# Control Panel for Oil filled submersible pumps 1 Phase



Range: 0.5HP to 2.0HP

## Salient Features

- Robust Construction. Powder Coated Sheet Metal Box.
- Heavy duty Run Capacitor with connector for easy replacement.
- Reputed MCB for Short Circuit Protection.
- Impreso Push Buttons specially designed for Pump Controllers.
- Special purpose Contactor for Motor Switching.
- 72mm\*72mm 30A, 300V Digital VA Meter
- Heavy duty 30A, 5 way connector strip for customer connection.
- Easy customer termination & easy for maintenance.
- Spares easily available almost all over India.



## Tecnical Recknor

Item Code	CGPCP005XL	CGPCP007XM	CGPCP010XM	CGPCP015XN	CGPCP020XP
HP	0.5	0.75	1	1.5	2
MCB (A)	6	6	8	10	16
Run Capacitor (MFD)	30	36	36	50	72
Contactor Rating (A)	20 A, 2 Pole				
Digital VA Meter	72x72	72x72	72x72	72x72	72x72
Power Wiring (Sq.mm.)	2.5	2.5	2.5	2.5	2.5

\* Standard Packing includes 6 Nos in 1 Master Carton

## Essential Spares

Componet	Item code	Material Description	Std. Pkg. Nos
Start Push Button	S-START01VJ	START PUSH BUTTON GREEN 22.5MM	10
Stop Push	S-STOP01VJ	STOP PUSH BUTTON RED	20
MCB	S-MCB6A	MCB 6A	12
	S-MCB8A	MCB 8A	
	S-MCB10A	MCB 10A	
	S-MCB13A	MCB 13A	
Digital Meter	S-DMTR7272	DIGITAL VA METER 72X72MM	10

Componet	Item code	Material Description	Std. Pkg. Nos
Contactor	S-CONTR20	NINJA VBDPN-20	10
Run Capacitor	S-CAP30RUN	RUN CAPACITOR 30 MFD	4
	S-CAP36RUN	CAPACITOR RUN 36MFD	
	S-CAP50RUN	RUN CAPACITOR 50 MFD	
	S-CAP72RUN	RUN CAPACITOR 72 MFD	
Contactor	S-CTR30AVJ	CONT. TERMINAL BLOCK 30A/5WAY	90



Ninja Contactor



Ninja Housing



Spare Kit



Ninja Coil



MCB 1 Pole



Connector Strip



Neon Indicator



Digital VA Meter 72X72



Current Transformer



Start Push Button



Stop Push Button



Start Capacitors



Run Capacitors

# Control Panel for Oil filled submersible pumps – 1Ph



Range – 0.5Hp– 2.0Hp

### Product Features

- Robust Construction, Powder Coated Sheet Metal Box.
- Variable Overload relay ranging from 4-6A to 9-14A.
- High Reliability run capacitor with connector for easy replacement
- Push Buttons Specially Designed for Pump Controllers.
- Special Purpose DMC Contactor for Motor Switching.
- High Quality Rubber Gasket used to prevent Dust entry.
- 72 x 72 mm 30A, 300V Digital VA Dual Display Meter.
- 5 Way Connector Strip for easy replacement.
- Easy for Maintenance



Item Code	CGPCP005XL-M	CGPCP007XM-M	CGPCP010XM-M	CGPCP015XN-M	CGPCP020XP-M
HP	0.5	0.75	1	1.5	2
Run Capacitor MFD	30	36	36	50	72
Contactor Rating (A)	16A, 2 Pole				
Relay Range (A)	4-6A	4-6A	6-10A	6-10A	9-14A
Current Rating (A)	4.1	5	6.1	6.1 & 7.1	11 & 11.4
Digital VA Meter (Dual Display)	72 X 72				

Componet	Item code	Material Description	Std. Pkg. Nos
Start Push Button	S-START03ME	START PUSH BUTTON GREEN 16A	10
Stop Push Button	S-STOP02ME	STOP PUSH BUTTON RED 5A	20
MCB	S-OLR06AME	OVERLOAD RELAY 4-6 A	20
	S-OLR10AME	OVERLOAD RELAY 6-10 A	
	S-OLR14AME	OVERLOAD RELAY 9-14 A	
Digital Meter	S-DMTR50AME	DIGITAL METER 50 A / 300 V	10
Contactor	S-PCPCN16A	CONTROL PANEL CONTACTOR 2P 16A	10
Run Capacitor	S-CAP30RUN	RUN CAPACITOR 30 MFD	4
	S-CAP36RUN	CAPACITOR RUN 36MFD	
	S-CAP50RUN	RUN CAPACITOR 50 MFD	
	S-CAP72RUN	RUN CAPACITOR 72 MFD	
Connector Strip	S-CTR60AME	CONT. TERMINAL BLOCK 60A/5WAY	90
Indicator	S-INDCT250V	INDICATOR 150-240V	20



**Salient Features**

- Confirms IEC 60947-4-1 Standards.
- Excellent Aesthetic Look.
- Robust Construction.
- Powder coated deep drawn Sheet Metal Box.
- 20A, 40A, AC3 Duty, 2 Pole NINJA Contactor.
- Wide Band Coil catering voltage range from 130V to 260V.
- Variable Overload Relay ranging from 6.0-10.0A to 20-32A.
- Twin Push Buttons specially designed for Motor Starters.
- Easy customer termination & easy for maintenance.
- Spares easily available almost all over India.

**Technical Recknor**

Item Code	CGSD0120D	CGSD0220E	CGSD0320F	CGSD0420G	CGSD0540H
HP	1	2	3	4	5
KW	0.75	1.50	2.20	2.98	3.70
Relay Range (A)	6 - 10 A	9 - 14 A	11 - 18 A	13 - 21 A	20 - 32 A
Control Wiring (sq.mm)	0.5 X 1				
Contactor Rating (A)	20 A	20 A	20 A	20 A	40 A

\* Standard Packing includes 6 Nos in 1 Master Carton

**Essential Spares**

Componet	Item code	Material Description	Std. Pkg. Nos
Start Push Button	S-SGCKN20	NINJA CONTACTOR 20A	6
Stop Push Button	S-SGCKN40	NINJA CONTACTOR 40A	
MCB	S-SGOLRDD	OVERLOAD RELAY DOL6-10A	10
	S-SGOLRDE	OVERLOAD RELAY DOL9-14A	
	S-SGOLRDF	OVERLOAD RELAY DOL11-18A	
	S-SGOLRDG	OVERLOAD RELAY DOL13-22A	
Contactor	S-SGOLRDH	OVERLOAD RELAY DOL20-32A	
Run Capacitor	S-SGCL001	COIL 130-250V	10
	S-SGTPB01	TWIN PUSH BUTTON	10
	S-SGKIT02	SPARE KITS 20A	10
	S-SGKIT05	SPARE KITS 40A	



Ninja Contactor



Ninja Housing



Add-on Block



Spare Kit



Ninja Coil



Overload Relay



Twin Push Button

## 3 Phase DOL Starter



### Salient Features

- Confirms IEC 60947-4-1 Standards.
- Excellent Aesthetic Look. Robust Construction.
- Powder Coated Deep Drawn Sheet Metal Box.
- 16A, 25A & 32A, AC3 Duty 4 Pole Contactor.
- Wide Band Coil catering voltage range from 240V to 450V.
- Variable Overload Relay ranging from 1.5-2.5A to 20-32A.
- Twin Push Buttons specially designed for Motor Starters.
- Easy customer termination
- Easy for maintenance.
- Spares easily available almost all over India.

### Technical Recknor

Item Code	CGST0116J	CGST0216K	CGST0316L	CGST0516D	CGST0816E	CGST1016F	CGST1016G	CGST1025G	CGST1225H	CGST1525H	CGST2032H
HP	1	2	3	5	7.5	10	10	10	12.5	15	20
KW	0.75	1.50	2.20	3.70	5.50	7.50	7.50	7.50	9.30	11.00	15.00
Relay Range (A)	1.5-2.5 A	2.5-4 A	4-6.5 A	6-10 A	9-14 A	11-18 A	13-22 A	13-22 A	20-32 A	20-32 A	20-32 A
Contactor Rating (A)	16	16	16	16	16	16	16	25	25	25	32
Line Current (A)	2.5	4	6	10	14	18	22	22	32	32	32
Phase Current (A)	2.5	4	6	10	14	18	22	22	32	32	32
Control Wiring (sq.mm)	0.5 X 1										

\* Standard Packing includes 6 Nos in 1 Master Carton

## Star Delta Starter



### Features and Specification

- Confirms IEC 60947-4-1 Standards
- Excellent Aesthetic look, Robust construction
- Powder coated deep drawn sheet metal box
- VK Type 16A & 25A AC3 Duty, 4Pole VK Contactor
- Variable overload relay 6-10A to 13-22A
- Wide band coil catering voltage range from 250-450V
- Spares easily available almost all over India.

### Technical Recknor

Star Delta Starter			
Product Code	CGYD1016D	CGYD1516F	CGYD2025G
HP Rating	10	15	20
Main contactor (A)	VK-1 16A	VK-1 16A	VK-2 25A
Delta contactor (A)	VK-1 16A	VK-1 16A	VK-2 25A
Star Contactor (A)	VK-1 16A	VK-1 16A	VK-1 16A
Relay Range (A)	6-10A	11-18A	13-22A
Power Wire Size	4 Sq.mm	4 Sq.mm	4 Sq.mm
Coil Rating	250-450V	250-450V	250-450V
Duty Rating	Continuous S1	Continuous S1	Continuous S1
Encloser type	Deep drawn Powder coated	Deep drawn Powder coated	Deep drawn Powder coated
Mounting	Wall & Surface mounting	Wall & Surface mounting	Wall & Surface mounting

## End Suction Pump

# CGEP

### Application:

- Commercial buildings like multistory apartments, hospitals, malls, Warehouse, Industries, Govt buildings & Schools etc.
- Fire prone manufacturing industries
- Hotels & residential apartments
- Ports & shipyards

### Design

- Standard as per DIN 24255
- Suction and delivery flanges as per DIN 2533 (Pn16)
- Back pull out, End Suction with top discharge outlet
- Single stage pumps
- Gland packing/ Mechanical seal
- Dynamically balanced Impeller as per ISO 1940-1,
- IS 21940-216
- Grease lubricated antifriction Bearing
- Stainless Steel Sleeve to protect shaft from wear out.

### Product Features & Specification:

- Hydraulic parts with “Rust preventive/Anticorrosive Coating”
- Excellent sealing with high durability O-Ring used
- Maximum Bearing to Bearing span for higher durability
- Hydraulic parts designed in CFD (Computerised Fluid dynamics)
- Flow up to 250 m3/hr
- Head up to 150 meter
- Temperature – 20 Deg to 120 Deg
- Delivery size : 32 to 125mm

### Product Specification

Model No	Pipe Size Suction x Delivery (mm)	Head Range (Meter)	Discharge Range (m3/hr)	BEP Head (meter)	BEP Discharge (m3/hr)	Best Efficiency (%)	Max Power (kW/HP)
CGEP32200A	50X32	61-20	2.5-25	52	18	50	7.5/10
CGEP32260A	50X32	95-40	5-30	82	25	42	15/20
CGEP50200A	65X50	65-25	20-80	54	64	73	15/20
CGEP65200A	80X65	63-30	25-150	55	112	76	30/40
CGEP65260A	80X65	95-50	25-155	89	120	74	55/75
CGEP80200A	100X80	64-25	50-225	55	190	80	45/60
CGEP80260A	100X80	96-40	50-230	85	185	78	75/100
CGEP80320A	100X80	150-70	50-265	132	207	74	125/170
CGEP100400A	125X100	57-33	50-225	53	175	72	55/75

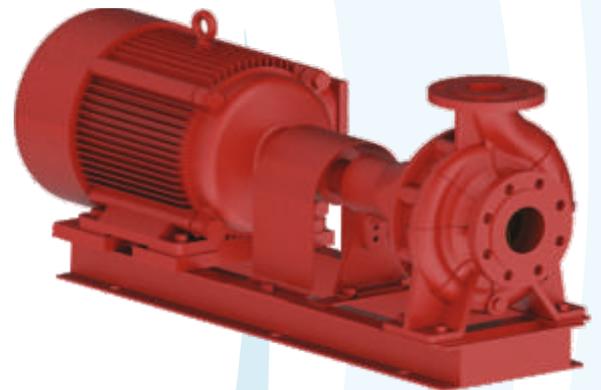
### Material of construction

MOC Code	Volute Casing	Impeller	Shaft	Shaft Sleeve	Sealing
A	GREY CAST IRON IS210 FG 260	GREY CAST IRON IS210 FG 260	Alloy Steel (AISI4140) EN19	Stainless Steel ASTM A276 TY410	Gland Packing
B*	GREY CAST IRON IS210 FG 260	Bronze Is 310 LTB 2	Carbon Steel Is1570 40C8	Stainless Steel ASTM A276 TY410	Gland Packing

\*Optional on request

### Recommend to use CG make Motor.

- Motor shall be selected considering safety margin of 10 to 20%
- Piping size to be considered higher than selected pump (Suction & Delivery) Size
- To offer pump set as per TAC/NAFS norms, Contact CG representative.



### Application and usage

Transferring muddy water, Flood water dewatering, Waste food (hotel industries) & sludge waste handling, Septic system dewatering Railway drainage, Mining industry dewatering, ETP & STP Plant, Cooling tower application, Surface irrigation, Transferring canal water & aquaculture, Construction & Road work dewatering.

### Product Features:

- Self priming dewatering pump, suction lift up to 7.5mtr
- Open type impeller design for handling of solid particles
- High Quality Mechanical seal/gland package used for long life.
- Robust Construction.
- Cast Iron Motor Body.
- Designed for High efficiency performance.
- Easy maintenance and spares availability
- Dynamically balanced impeller used
- Wide voltage band 180-240V(1PH) & 350-440V(3PH)

### Material of Construction –Motor

Construction Details	
PART NAME	MATERIAL
Casing	Cast Iron FG 200
Flange	Cast Iron FG 200
Motor Body	Cast Iron FG 200
Shaft	SS 410
Shaft Sleeve	SS 410
Impeller	Cast Iron FG 200
Impeller Ring	Cast Iron FG 200
Wear Plate	Cast Iron FG 200
Fan Cover	Powder Coated MS
Bearing	SKF / Equivalent
Gland Packing	Graphite asbestos
Winding	Copper



### Monoblock Pumpset

Cat ref	Power		Speed (rpm)	Sealing Type	Pipe size mm	Head in Meters						
	kW	HP				8	10	12	14	16	18	20
						Discharge in LPM						
CGDP01J-MM-1P*	0.75	1	2850	Mech Seal	40 X 40		340	300	230	150		
CGDP01J-MM	0.75	1	2850	Mech Seal	40 X 40		340	300	230	150		
CGDP02M-MM	1.50	2	2850	Mech Seal	40 X 40		430	330	240	120		
CGDP03M-MM	2.20	3	2850	Mech Seal	50 X 50			500	400	280	140	
CGDP05Q-MM	3.70	5	1450	Mech Seal	80 X 80	1100	1000	900	750	560	400	200

\*CGDP01J-MM-1P , Supply 1Ph Pumpset

### Bare Pump

Cat ref	Power		Speed (rpm)	Sealing Type	Pipe size mm	Head in Meters								
	kW	HP				10	12	14	16	18	20	22	24	26
						Discharge in LPM								
CGDP10S-BG	7.5	10	1450	Gland Pack	100 X 100	2000	1900	1800	1650	1500	1300	1050	750	
CGDP12S-BG	9.3	12.5	1450	Gland Pack	100 X 100	2400	2300	2150	2000	1800	1600	1350	1100	
CGDP20W-BG	15	20	1450	Gland Pack	150 X 150	4000	3800	3550	3200	2850	2400	1950	1400	
CGDP25W-BG	18.7	25	1450	Gland Pack	150 X 150	4300	4150	4000	3800	3500	3100	2700	2100	1400

## KNOW YOUR SERVICE POLICY

**KYSP OBJECTIVE:** This document is issued for better clarity on service policy and better response to Customer Complaints of CPD (Consumer Products Division). CG is committed to offer high quality product to consumers. We make every effort to offer defect free product to customers. However due to any unforeseen situations if customer faces any product related issues and needs service support from CG authorised facility then within the scope of service policy help will be provided to customer. For further details you are advised to contact service ASM's.

**We encourage every POS (Point of sale) holder to show this KYSP to customer.**

Product warrantee registration:

1. Customers can login our website > Customer Care ---> Register Product.
2. At the time of sale Dealers/retailers Login to Partner portal (Dealer Portal) -->Product registration---> Register Product Customers can do Product registration through our whatsapp no 9152670505("Hi" message on this number, then select 4)

### A. At the time of Purchase

- Customer to ensure right product requirements are given to seller.
- Seller must seek and understand the customer requirement and select the right product.
- Seller is encouraged to give tax paid invoice with serial number, duly filled Warrantee card.
- Seller is encouraged to guide for installation and update customer with KYSP.
- Customer to ensure completeness/damage free product by verifying same in person.
- Customer to ensure all documents like warrantee card duly filled, Stamped with date and sign, Bill with serial number etc.
- Customer must ensure careful handling of product till destination.
- We recommend authorised/technical person to install the product with all safety norms.

### B. Definitions

- Warrantee: CG promises to provide after sales service support as per the clause mentioned in warrantee card.
- Replacement: As per and within scope of product warrantee card terms and conditions, only in case of
- Manufacturing Defect Product will be replaced with duly verification of defect by Service Manager and with all valid documentation.
- Note: This does not cover consumables or parts of limited regular functionality due to their natural wear and tear.
- Manufacturing Defect: A manufacturing defect is a technical flaw that arises during the warranty period and stops a device/Product from being fully functional.
- Note: This does not cover consumables or parts of limited regular functionality due to their natural wear and tear.
- Non-Manufacturing Defect: Non-manufacturing defect (Not a Product Defect or causes function of product) is arises due to errors in selection, Installation, application, natural /Normal wear & tear, handling damages, voltage/supply fluctuations, foreign partials entry, natural Calamities, site issues, aging & absence of recommended preventive measures etc.

### C. Post Sales Service

All complaints shall be registered through-

**CG Toll free number 1800 267 0505**

**Web Portal - [www.cgglobal.com](http://www.cgglobal.com)**

**WhatsApp : 9152670505**

- While registering complaint customer advised to keep ready, Name & Address, Product serial number, Invoice no & date, retailer/dealer Name & address, photocopy of warrantee card & Bill.
- Customer advised to guide ASC technician for safe reach at site and return back.
- Customer advised to Co-operate and understand what ASC technician's remark upon inspection.
- Customer advised not to tamper/alter name plate and documents which will void warrantee terms.
- If product is other than CG product customer must pay visit charges & repairing charges.
- If product is out of warrantee, visit and service will be on chargeable basis.

### D. Product Defects repaired at site:

- ASC advised to fill up complete FIR report in detail, recommended site photos.
- ASC to verify all original documents, sign & stamp on warrantee card, invoice as a proof of service provided and retain photocopy.
- ASC advised to make aware customer for safety and preventive measures of products.
- ASC shall use CG genuine spares only.
- Defective spare will be collected and preserve for defect analysis by ASC.
- For workshop repair customer to carry product to ASC workshop.

### E. In case Replacement:

- ASC advised to fill up complete FIR report in detail, recommended site photos.
- ASC to verify all original documents, sign & stamp on warrantee card, invoice as a proof of service provided and retain photocopy.
- ASC advised to make aware customer for usage, safety, and preventive measures of products.
- \*Replacement tag or Number- to be pasted/write on product with complete details and counter tag/Number paste/write on FIR report. (\*under consideration and trials)
- Customer/Dealer must submit complete pump set with all accessories (like flanges, capacitor, fan, fan cover, down rod cable, panel, warrantee card, switches, blades, frames, tanks, MV, elements, thermostat, Cable, plates, MF, Plug and floats as applicable) otherwise claim will be rejected.
- Dealer must retain new warrantee card as one time replacement is allowed. Old card to return to avail remaining period repair warrantee.
- Service EIC/Executive need to ensure & duly verify defective for replacement and take required approvals for replacement.
- Customer/dealer will carry product to dealer / at warehouse or as per policy.
- At warehouse, C&F agent has to verify completeness of product with original readable FIR/SRF copy, Approval and all accessories (like flanges, capacitor, fan, fan cover, down rod, cable, panel, warrantee card, switches, blades, frames, tanks, MV, elements, thermostat, Cable, plates, MF, Plug and floats as applicable) in absence of anything replacement claim will be rejected.

# Our product Range



**Registered Office:**

**CG Power and Industrial Solutions Limited**

CG House, 6<sup>th</sup> Floor, Dr. Annie Besant Road, Worli, Mumbai 400 030, Maharashtra, India.

Contact: +91 22 2423 7700 | Website: [www.cgglobal.com](http://www.cgglobal.com)

**Manufactured By:**

**CG Power and Industrial Solutions Limited**

Commercial Motors Division, Plot No: 196-198, Kundaim Industrial Estate, Ponda 403 115, Goa, India.

Website: [www.cgglobal.com](http://www.cgglobal.com) | For Enquiry: [cgcp.care@cgglobal.com](mailto:cgcp.care@cgglobal.com)

**All India Customer Care Toll-Free No: 1800-267-0505**