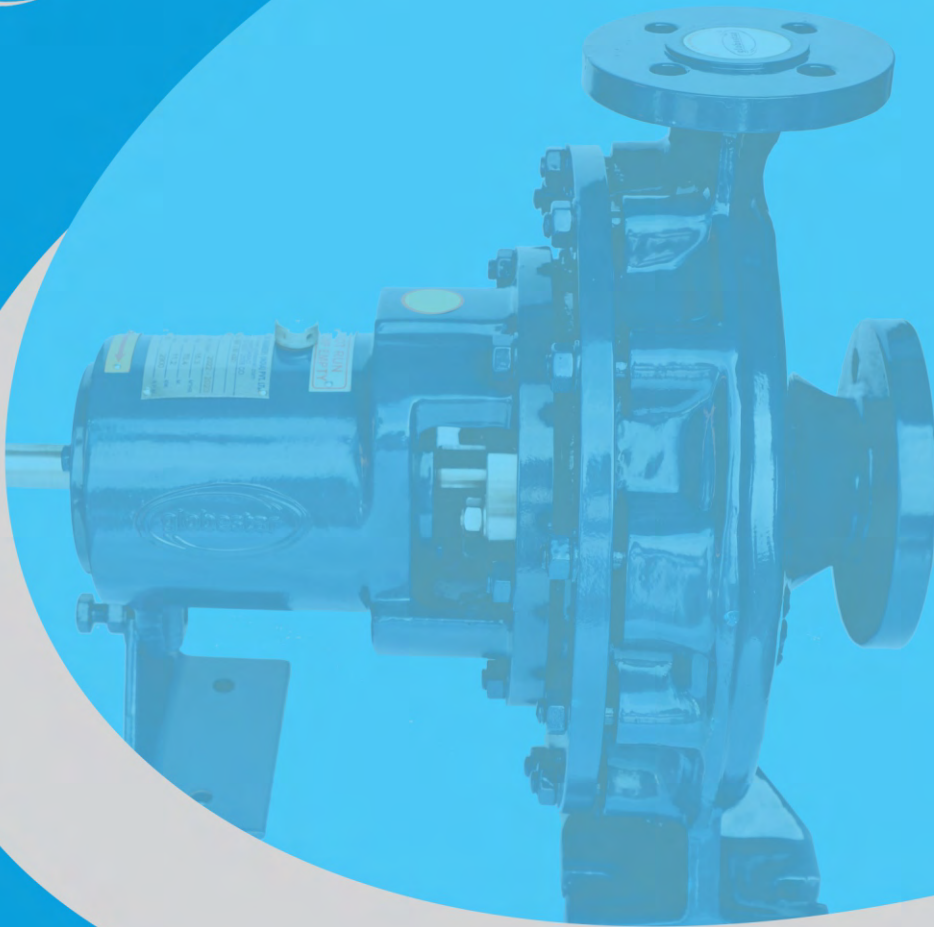




Ride By Quality



Manufacturer of Industrial Pumps & Mechanical Seals



**GLOBE STAR**  
**ENGINEERS (INDIA) PVT.LTD.**  
AN ISO 9001:2015 CERTIFIED COMPANY

# OPERATIONAL UNITS

## GLOBE STAR TEAM



**PRODUCTION UNIT**



**TESTING UNIT**



**HEAD OFFICE AHMEDABAD**



## Company Profile

### Vision

Our Vision is to impact on Performance, Reliability and Efficiency of current system through our products and solution, where we Add value to your business

### Mission

Our Mission is to reduce total operation cost and raise the production capacity through our sealing and Rotary devices.

### Our Core Value

- Quality
- Consistent
- Innovation
- Reliability
- System & Process Driven

### The Product Range

1. By Design, Manufacturing and Exopet of Industrial Pumps & Mechanical Seals Fire, Fighting System & Pressure Boosting System
2. Equivalent Reange of Complete Mechanical Shaft Seals & Spares of leading brands like John Crane, Burgmann, Flowserve, Flexibox, KSB.... etc.
3. Repairs & Maintenance of any third party Pumps & Mechanical Shaft Seals.

### The Facility

1. State of the Art Manufacturing Unit in Odhav, GIDC Ahmedabad, Gujarat & Area of 18000 sq. feet Manufacturing Facility since last 2002.
2. Direct Support Sales / Dealer Network in India & Overseas.
3. Experienced & efficient Staff to ensure workmanship & Quality Control.
4. **Our Authorised Service Center In State Wise as below :**

- |                         |                                |
|-------------------------|--------------------------------|
| ■ Gujarat               | ■ Jharkhand-826001             |
| ■ Delhi                 | ■ Sompeta Andhrapradesh-532284 |
| ■ Mumbai                | ■ Odhisha-761018               |
| ■ Kolkata               | ■ Bangalore-560056             |
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**GLOBE STAR ENGINEERING (INDIA) PVT.LTD.** has been catering to wide range of shipping Marrine & Offshore, Petrochemicals, Chemical, Water, Sewage, Dyes & Intermediate, Oil & Gas. Agrochemical, Pulp & Paper & Pharmaceutical.

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## SLEF PRIMING MUD PUMP

### MECHANICAL SEAL TYPE



## Application :

## GMP-S - SERIES

- Civil Construction dewatering, Foundations, Trenches and Pits, Filter press feeding, ETP, STP, Waste Water treatment plant.
- Mobile machinery - cooling water for marine engines and shovels.
- Gram Panchayat, Municipalities, Public Health Department, Large housing colonies, industries like Chemical, Pharmaceuticals, Food, Cement, Paper, Sugar, Salt, Steel and other for liquid cargo from Freighter, Barges.

## ROTATION :

Marked with arrow on casing of each pump, Check before coupling with prime mover.

## DESIGN :

Perfect sealing assured by high quality mechanical seal which cannot run dry because of internal oil reservoirs. Granded casting & SS shaft, increases service life. Bearings greased for life, sve external lubrication Minimum need for inspection and maintenance. Drive options of electric motor, coupled or belt drive versions or by petrol / diesel engine.

## MECHANICAL SEAL OPTION :

STV (Carbon v/s Ceramic / Tc with NBR Elastomer)

CCV (Carbon v/s Ceramic / Tc with Viton Elastomer)

CCT (Carbon v/s Ceramic / Tc with PTFE Elastomer)

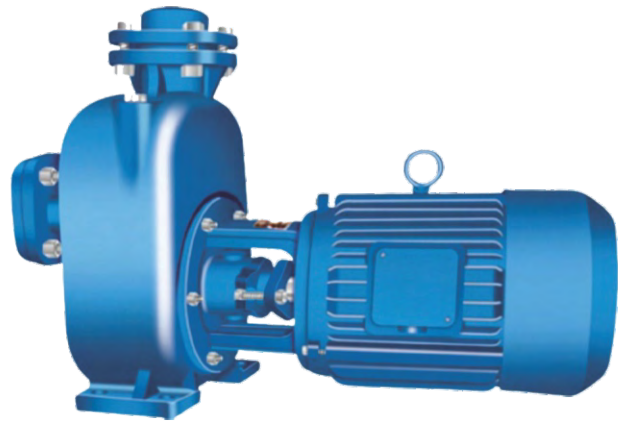
Model	3	6	9	12	15	18	24	30	36	45	60	75	Flow (m3/h)	Size*	Soft Solid Size mm	HP	SUC.X DISH
GMP-S 11/3	15.2	13.7	11.5	9.0	-	-	-	-	-	-	-	-	H E A D I N M E T E R	1 1/4"	7.5	1	32X32
GMP-S 11/4	16.3	15.2	14.2	13.0	11.6	10.0	-	-	-	-	-	1 1/2"		12	1.5	40X40	
GMP-S 12/5A	20.0	19.0	17.8	16.5	15.4	14.0	10.2	-	-	-	-	2"		10	2	50X50	
GMP-S 12/5	-	19.8	18.9	18.0	17.1	16.1	13.7	10.3	-	-	-	2"		13	3	50X50	
GMP-S 12/6	-	-	-	19.2	18.5	18.0	16.7	15.5	14.4	12.0	4.0	-		2 1/2"	20	5	65X65
GMP-S 14/8	-	-	-	-	22.5	22.0	21.0	20.5	19.8	18.5	15.0	10.2		3"	24	7.5	80X80
GMP-S 15/6	-	-	-	29.0	28.0	27.0	25.0	23.0	20.8	16.0	-	-		2 1/2"	11	5	65X65
GMP-S 16/3	32.0	28.5	24.3	19.2	10.0	-	-	-	-	-	-	-		1 1/4"	6	3	32X32
GMP-S 16/6	-	-	-	35.0	34.5	34.0	32.4	31.0	29.0	22.5	-	-		2 1/2"	12	7.5	65X65

## SLEF PRIMING MUD PUMP

### GLAND TYPE



**GMP - SERIES**



**GMP - M - SERIES**

### Application :

- Dewatering, Mud Marine, Effluent, Hotel, Loading & Transfer of Oils, Spirits, Swimming Pools, Gas Oils, Engine Cooling,
- Vessels, Industrial-pumping petroleum products, Chemical.
- Public utilities sewage pumping,

### ROTATION :

Marked with arrow on casing of each pump, Check before coupling with prime mover.

### DESIGN

Perfect self priming action with maximum suction head of seven meters, Impellers with wider flow passage avoid clogging and can handle Soft solide up to 25 mm dia, Back Pullout design, simplifies inspection and maintenance, Compact & light weight.

### Performance Chart GMP SERIES

MODEL	SUCTION X DISHCHARGE	HP	RPM	HEAD (METER)																	SOLID HANDLING SIZE MM					
				6	8	10	12	14	15	16	18	19	20	22	24	25	26	28	30	32		34				
				CAPACITY IN LPS																						
GMP '0'	40X40	1	2900	4.6	4.1	3.6	2.7	1.5	0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.0
GMP '1H'	40X40	2	2900	-	-	6.3	5.6	4.9	4.4	4.0	2.8	1.9	0.9	-	-	-	-	-	-	-	-	-	-	-	-	8.5
GMP '2H'	50X50	3	2900	-	-	9.3	8.8	8.1	7.8	7.3	6.5	6.0	5.4	4.1	2.7	1.8	0.8	-	-	-	-	-	-	-	-	10.5
GMP '3A'	80X80	5	2900	-	-	-	-	-	-	-	-	-	-	10.1	9.3	8.2	7.5	6.8	5.2	3.8	1.8	-	-	-	-	7.0
GMP '3'	80X80	7.5	2900	-	-	-	-	-	-	-	-	-	16.4	16.2	15.5	14.8	14.0	12.5	10.2	8.0	5.5	-	-	-	-	14.5
GMP '3L+'	80X80	5	1450	-	-	18.0	16.4	13.6	11.6	10.0	5.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.5
GMP '4LA+'	100X100	10	1450	-	-	36.0	33.9	31.2	30.0	28.6	25.5	23.9	22.5	18.0	12.0	-	-	-	-	-	-	-	-	-	-	18.5
GMP '4L+'	100X100	12.5	1450	-	-	41.5	39.5	36.2	35.3	33.6	30.5	28.3	26.2	22.0	17.0	14.0	10.0	-	-	-	-	-	-	-	-	23.0
GMP '6LA'	150X150	20	1450	-	-	66.3	63.4	59.8	57.5	55.0	48.8	45.5	42.5	34.2	23.8	-	-	-	-	-	-	-	-	-	-	34.0
GMP '6L'	150X150	25	1450	-	-	75.0	72.5	68.7	66.2	64.0	58.5	55.5	52.0	45.0	34.0	27.5	20.0	-	-	-	-	-	-	-	-	40.0

## CENTRIFUGAL PROCESS PUMP



**GCP / GWP - SERIES**



**GCMP - SERIES**

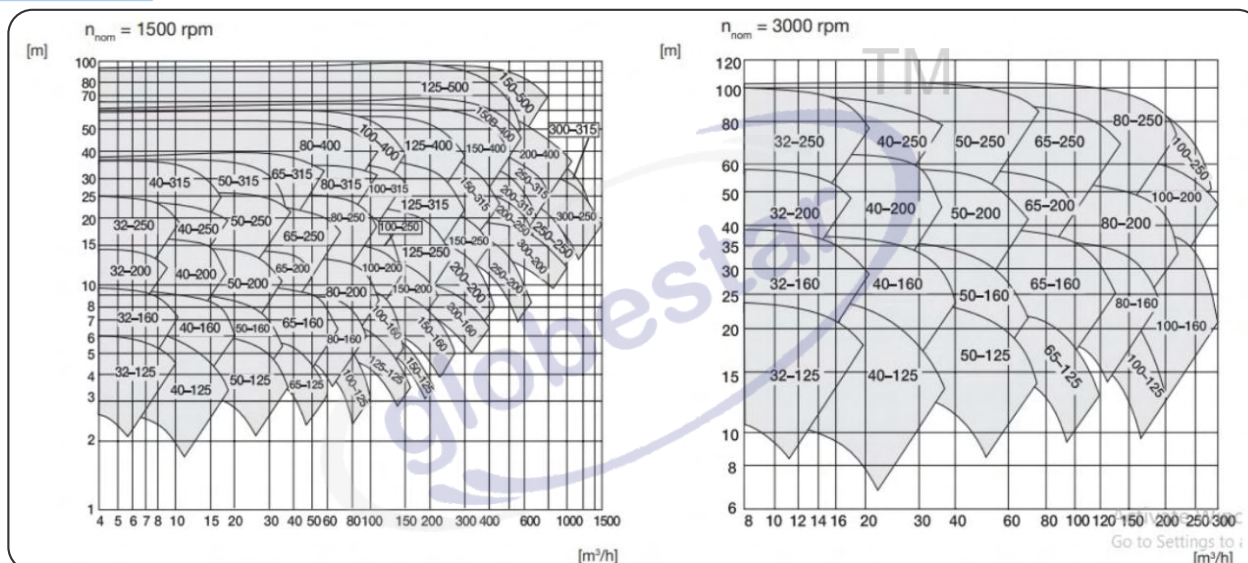
### Application :

- 1. Oil & Energy :-** Pumping, crude oil, slurry, used by refineries, power generation plants.
- 2. Industrial & Fire Protection Industry -** Heating and ventilation, boiler feed applications, air conditioning, pressure boosting, fire protection sprinkler systems.
- 3. Pharmaceutical, Chemical & Food Industries -** paints, hydrocarbons, petrochemical, cellulose, sugar refining, food and beverage production cosmetic industries - paints, hydrocarbons, petrochemical, cellulose, sugar refining,
- 4. Various Industries (Manufacturing, Industrial, Aerospace etc.) -** for the purposes of cryogenics and refrigerants.  
Used for general fluid transfer, Textiles Industry.

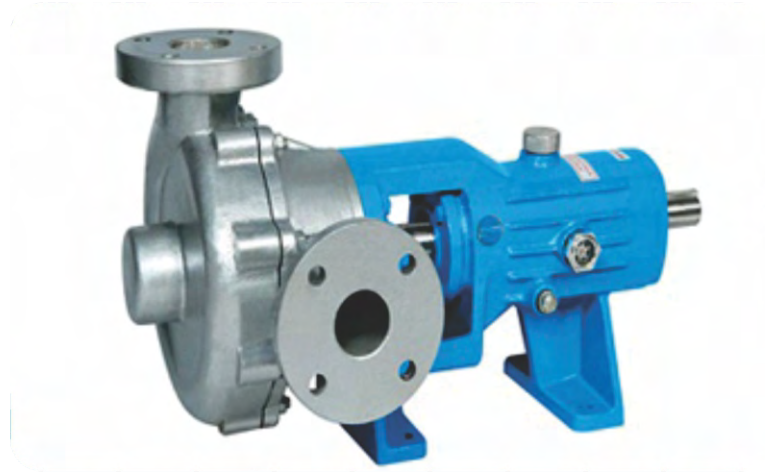
### Technical Data

Max Capacity	: Up to 400 M3 / hr. Max.
Head	: Up to 150 mtrs.
Pressure	: Up to 16 bar
Temperature	: Up to 200 C
Material	: C.I., C.S., SS-304, SS-316, and Other Alloys.
Impeller	: Close / semi open
Flanges	: As per B 16.5 Class 150 / PN16

### Performance Curve



# HORIZONTAL SIDE SUCTION PUMP



## GSSP - SERIES

### Application

- Efficient treatment Plant
- Dyes & Intermediates steel rolling mills.
- All types of industrial application
- Filter press flooding
- Slurry transfer
- Ceramic, ETP & STP
- Paper & Plup, Sugar & Food
- Eva - operator, Scrubber application

### Features

- Dynamic balanced rotating parts
- Oil lubricated ball bearing
- Heavy duty shaft
- High efficiency low power consumption
- Replaceable parts
- Easy maintenance
- Without gland leakage
- Less vibration application
- Special design for filter press application.

### Construction

**Impeller :**  
Semi open type, non clogging, hand finished designed for high efficiency & smooth flow

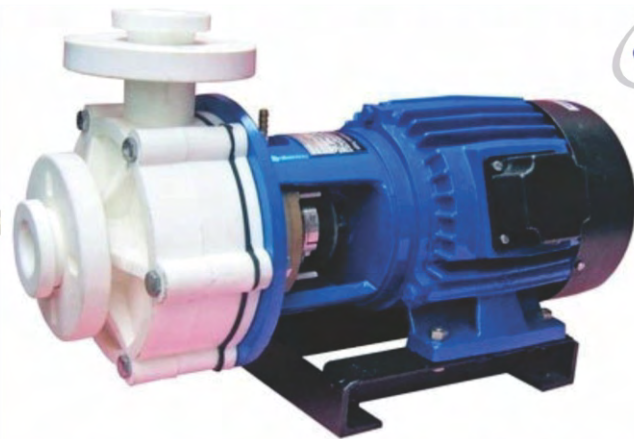
**Bearing :**  
Single row deep groove heavy duty antifriction ball bearing with oil lubrication.

Model	Suc		Imp.		HEAD IN METER																				HP	RPM									
	Dis	Dia	2	4	5	6	8	10	12	14	15	17	18	20	21	24	25	30	32	37	40	42	45	48			55	60	70	75	85	100			
<b>CAPACITY IN LPM</b>																																			
GSSP - 4008	40x40	130	-	-	260	-	-	244	-	-	230	-	-	196	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2900
GSSP - 4008	40x40	148	-	-	355	-	-	346	-	-	328	-	-	265	-	-	225	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	2900
GSSP - 5008	50x50	170	-	-	-	-	-	540	-	-	-	-	-	522	-	-	505	-	458	-	110	0	-	-	-	-	-	-	-	-	-	-	-	5	2900
GSSP - 5008	50x50	178	-	-	-	-	-	555	-	-	-	-	-	544	-	-	517	-	460	-	300	0	-	-	-	-	-	-	-	-	-	-	-	7.5	2900
GSSP - 6508	65x65	190	-	-	-	-	-	936	-	-	-	-	-	930	-	-	882	-	830	-	730	576	0	-	-	-	-	-	-	-	-	-	-	10	2900
GSSP - 6508	65x65	210	-	-	-	-	-	990	-	-	-	-	-	982	-	-	930	-	882	-	785	618	0	-	-	-	-	-	-	-	-	-	-	12.5	2900
GSSP - 650-50LH8	65x50	235	-	1224	-	-	-	-	-	-	1212	-	-	-	-	-	1215	-	-	-	-	1164	-	-	864	492	0	-	-	-	-	-	-	25	2900
GSSP - 650-50LH8	65x50	269	-	1290	-	-	-	-	-	-	1282	-	-	-	-	-	1275	-	-	-	-	1260	-	-	1197	1135	-	756	0	-	-	-	40	2900	
GSSP-500L	50x50	178	-	-	425	-	370	322	235	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1440	
GSSP-650L	65x65	210	-	-	580	-	535	-	455	-	140	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	1440	
GSSP-65-50L	65x50	269	855	-	-	823	-	712	-	609	-	493	-	-	263	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	1440
GSSP-650L8	65x65	320	-	-	-	-	-	937	-	-	-	-	-	887	-	-	810	-	535	0	-	0	-	-	-	-	-	-	-	-	-	-	-	10	1440
GSSP-650L8	65x65	348	-	-	-	-	-	967	-	-	-	-	-	937	-	-	882	-	833	-	546	-	-	-	-	-	-	-	-	-	-	-	-	15	1440
GSSP-800L	80x80	264	-	-	1800	-	-	1750	-	-	-	-	-	1415	-	333	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	1440

## CENTRIFUGAL POLYPROPYLENE PROCESS PUMP



**GHE, GXP - SERIES**



**GMPP - SERIES**

### Application

- For handling liquids in various industries like textile, paper cellulose, sugar, steel, foods, having temperature range, materials, etc.
- Excellent for transfer and loading -unloading like HSI, Sulphuric Acid /alkali, caustic Liquid.
- Natural choice for pickling line & scrubber in steel plants.
- Ideal for circulation of chemical in metal finishing industry.
- Water treatment plant, effluent treatment plant, electro plating, pickling & steel rolling mills.
- High capacity transfer pump, filter press for dyes & chemicals, descaling oil & other fuels.
- Caustic soda plants : chlorinated Brine, HCl, Dilute H<sub>2</sub>SO<sub>4</sub> etc....
- Phosphoric Acid Plants : H<sub>3</sub>PO<sub>4</sub>, H<sub>2</sub>SO<sub>4</sub>, HF and their mixtures with or without solid (gypsum) up to 40% conc.
- Gas Washing Plants : Scrubbed liquids containing CL<sub>2</sub>, BR<sub>2</sub>, F<sub>2</sub>, I<sub>2</sub>, SO<sub>2</sub>, SO<sub>3</sub>, CO<sub>2</sub>, NH<sub>3</sub>, Gases etc...

### Material Of Construction

- **Casing** : Top Centerline discharge & integrated flanges, Single piece, joint less formed out of injection molded polypropylene/PVDF
- **Impeller** : Hydraulically balanced and accurately matched to casing profile, the semi open type impeller with particle shroud and glass finished smooth flow passage ensure high efficiency low NPSH performance impeller made from compressor molded polypropylene /PVDF.
- **Shaft** : The shaft is made from EN-8/SS304/SS316 protected by shaft Sleeve of ceramic.
- **Back Plate** : The back-Plate is sealed by mechanical seal. Conversion from mechanical seal is achieved by changing some standardized parts Re-machining of stuffing box is not necessary.
- **Bearings** : The bearings are Grease lubricated.
- **Direction of rotation** : Clockwise viewed from driving end.

### Features

- Design to suit extremely corrosive duties in the process and chemical industries
- Suitable for continuous service
- Self venting type casing
- Dynamically and Hydraulically balanced impeller with aerodynamic profile vanes
- Pump casing is provided with external metal ring for construction stability
- Temp. range is up to 120 D.



## PERFORMANCE CHART - GHE - SERIES

MODEL	HEAD(mtr.)							IMPELLER	RPM	HP	SUC.X. Disch.
	CAPACITY FLOW (m3/hr)										
GHE-100	7	8	10	11	12	13		100	2880	1	25X25
	11	9	6	5	3	0					
GHE-120	10	12	15	16	18	0		120	2880	2	40X32
	24	20	12	8	00	0					
GHE-130	8	12	15	18	20	23		130	2880	3	50X40
	30	24	18	12	8	0					
GHE-160R	10	15	18	20	22	24		150	2880	3	40X40
	26	20	10	5	3	0					
GHE-160	10	15	20	25	26	31		160	2880	5	75X40
	35	30	25	15	12	0					
GHE-170	12	20	25	30	32	35		160	2880	7.5	75X50
	50	38	32	25	15	0					
GHE-40	25	30	35	40	45	49		190	2880	12.5	50X40
	45	42	25	15	4	0					
GHE-50R		5	8	10	11	12		195	1440	2	40X40
		25	12	6	2	0					
GHE-50	60	8	10	12	13	15		205	1440	3	40X40
	40	30	23	15	10	0					
GHE-55	10	12	14	15	17	18		205	1440	5	75X50
	37	28	20	10	6	0					

## PERFORMANCE CHART - GXP - SERIES

MODEL	CAPACITY FLOW (m3/hr)							IMPELLER	RPM	HP	SUC.X. Disch.
	HEAD(mtr.)										
GXP-50H	60	52	45	35	20	00		210	2900	15	50X50
	45	50	55	58	60	60					
GXP-50L	50	44	34	23	14	00		220	1440	5	50X50
	04	06	10	13	15	15					
GXP-75H	108	93	78	58	24	00		185	2900	20	75X50
	30	35	40	43	45	45					
GXP-75L	65	56	52	42	30	00		192	1440	5	75X50
	03	05	07	09	11	11					
GXP-100	170	162	150	120	100	00		265	1440	20	100X75
	14	16	18	20	22	22					
GXP-100R	115	105	88	75	50	00		255	1440	12.5	100X75
	14	16	19	21	23	24					
GXP-150	295	285	270	250	200	00		320	1440	50	150X100
	25	27	29	30	32	34					
GXP-150R	300	230	200	185	150	00		300	1440	40	150X100
	22	25	28	30	32	34					

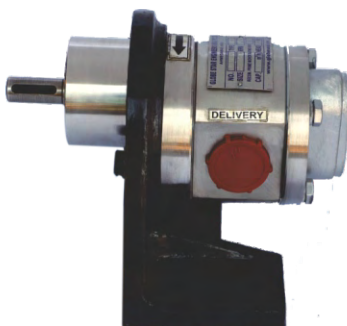
## PERFORMANCE CHART - GMPP - SERIES

MODEL	HEAD(mtr.)							IMPELLER	RPM	HP	SUC.X. Disch.
	CAPACITY FLOW (m3/hr)										
GMPP-0.5	03	05	08	10	11			100	2880	0.5	25x25
	10	08	04	02	00						
GMPP-1	07	08	10	11	12	13		100	2880	1	25x25
	11	09	06	05	03	00					
GMPP-2	10	12	15	16	18	00		120	2880	2	40x32
	24	20	12	08	00	00					

## ROTARY GEAR PUMP



### GGP - SERIES



### GGPF - SERIES

### Application

- Viscous And Semi Viscous Liquid.
- All Kind Of Vegetable Oils.
- Paints & Varnish, Viscous Chemical, Printing Ink.
- Clean Lube Oil, Castor Oil, Ground Nu Oil, Cotton Seed Oil And Hydraulic Oil.
- All kind of fish and animals oils.
- Soap solutions, glycerin, glycol and glue
- Sugar molasses and syrups.
- Rotary gear pumps are widely used in paper mills, refineries, Steel mills and extile industries.

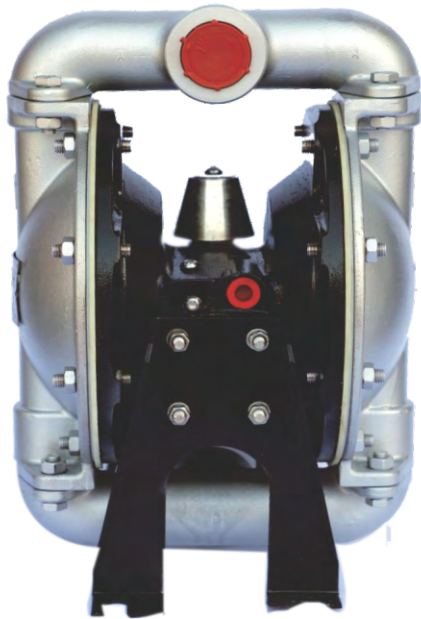
### Features

- All positive displacement rotary gear pumps are self priming pumps with Suction lift of 3 meters at mean viscosity and speed 1440 rpm
- The globe pump has a modified profile of teeth to give accurate discharge within the pressure range
- The helical gear design delivers constant volume without any pulsation. It also reduces internal slippage and gives high volumetric efficiency.
- Compact in size and highly economical
- All these are self lubricated pumps recommended for use where the liquid To the transferred has lubrication properties hence the bearing is lubricated By the pumping fluid and do not need any external lubrication.

### Performance Chart

Pump Model	Suc x Dis.	Capacity at 1440 RPM LPM GPM M3/hr			Recommended motor BHP at Difference Pressure / Head Kg/cm2 with 1500 SSU viscosity										WT. of Bare Pump in kg.	
					kg/cm2	1	2	3	4	5	6	7	8	9		10
GGP-50	1/2"x1/2"	20	5.3	1.2	METER	10	20	30	40	50	60	70	80	90	100	2.2
					KW	0.3	1.35	0.4	0.45	0.5	0.55	0.6	0.65	0.7	0.75	
GGP-75	3/4 x 3/4"	30	7.9	1.8	HP	0.5					0.75					4.2
					KW	0.37	0.45	0.54	0.62	0.69	0.77	0.85	0.92	1.01	1.09	
GGP-100	1" x1"	50	13	3	HP	0.75					1					5
					KW	0.4	1.5	0.6	0.75	0.89	1.04	1.17	1.3	1.46	1.59	
GGP-125	1 1/4" x 1 1/4"	75	20	4.5	HP	1					1.5					8
					KW	0.7	1	1.2	1.4	1.5	1.9	1.95	2.15	2.35	2.55	
GGP-150	1 1/2" x 1 1/2"	110	29	6.6	HP	1.5					2					9.5
					KW	1.05	1.45	1.95	2.1	2.4	2.65	2.95	3.25	3.6	3.75	
GGP-200	2" x2"	225	59	13.5	HP	2					3					17.2
					KW	2	2.5	3.2	3.75	4.3	4.55	5.6	6.2	6.9	7.11	
GGP-250	2 1/2 "x 2 1/2"	350	93	21	HP	3					5					28.5
					KW	4.15	5.2	6.1	7.3	8.2	9.1	10.3	11.2	12.1	12.25	
GGP-300	3"x3"	500	132	30	HP	5					10					40
					KW	4.5	6.6	8.4	9.9	11.1	12.1	13	13.9	14.9	15.9	
					HP	10					15					

## AIR OPERATED DIAPHRAGM PUMP



## GADP - SERIES

### Application

- Solvents
- Acids
- High Viscous Liquids.
- Abrasive Media.
- Hazardous & Flammable Liquids.
- Barrel loading - unloading
- Slurry Transfer
- Day tank transfer.

- Waste water transfer
- Glues.
- Kaolin clay.
- Bulk Transfer
- Resins.
- Oils and Glycol transfer.
- Transferring, Dispensing and dosing paint, ink and dyes.

### Features

- Low Noise
- Low Vibration
- No Seal, No leakage
- Self Priming, No need Foot valve
- Variable flow with pump
- No skilled person is needed to operate and repair pump
- No rotation, no wear & tear, hence low maintenance
- No Charging
- Pump can run dry

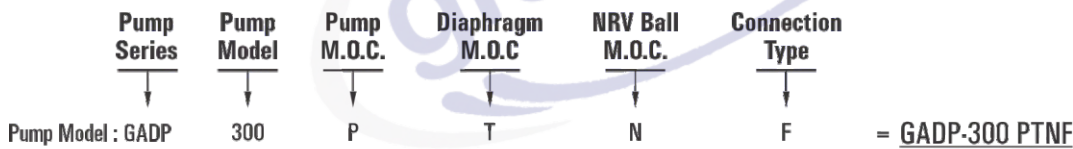
- No motor, no fire.
- Excellent abrasive liquid resistance
- Very Compact Design
- Operating in each position
- Low maintenance cost
- Easy maintenance and pump spare availability.
- Designed Light weight handy in use.
- in short very simple and versatile pump.

## PUMP SELECTION CHART

Sr. No.	Total No. of Model	Pump Model	Pump Size (Inch)	Maxim. Head (Meter)	Maximum Flow Rate (LPM)		Max. Air Pressure (Kg/cm <sup>2</sup> )	Max. Soft Solid Partical (MM)	Air Inlet (Inch)
					Teflon	Neoprene-Buna			
1)	72	150	1/2"	25-30	15-20	20-24	3-5	2.0	1/4"
2)	84	300	1"	30-35	75-85	90-110	4-5	2.7	1/2"
3)	84	400	1 1/2"	35-40	150-180	200-230	5-6	4.0	1/2"
4)	84	500	2"	40-45	400-450	500-540	6-7	6.2	1/2"
5)	84	800	3"	45-50	700-730	800-850	6-7	15.0	1/2"

### How to Select your Model

For Example.

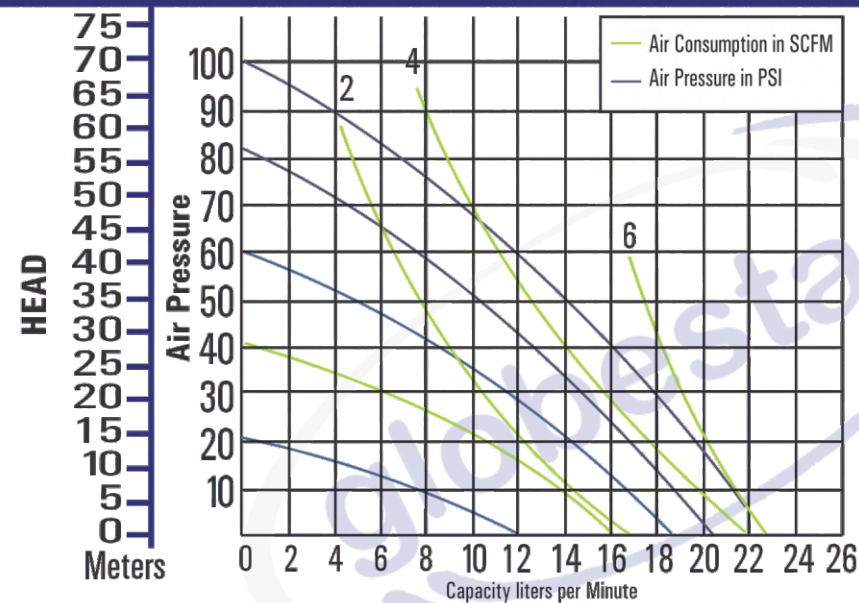


Material	Short Coding
Aluminum	A
Polypropylene	P
PVDF	PV
Stainless Steel 304	S304
Stainless Steel 304-L	S304L
Stainless Steel 316	S316
Stainless Steel 316-L	S316L
Neoprene-Buna	N
Teflon	T
Sentoprene	S
Thread type	T
Flange Type	F

## Technical Data & Performance Graph

Air Operated Double Diaphragm Pump  
Model : GADP-150

### MODEL : GADP-150



### TECHNICAL SPECIFICATION

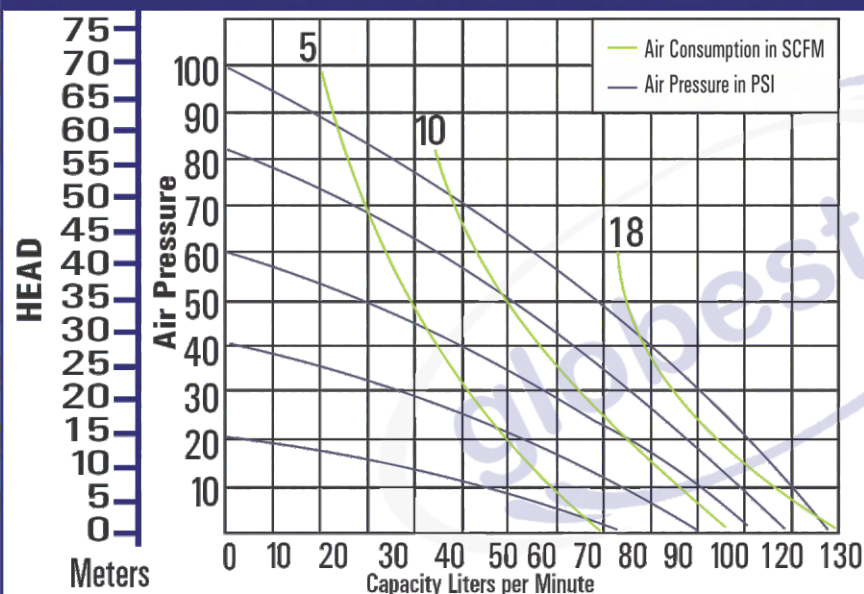
Suction X Discharge (Inch)	1/2" X 1/2"
Maximum Flow Rate	22 lpm at 6 kg/cm <sup>2</sup> Air Pressure
Operational Head Pressure	10-20 Meter
Maximum Head Pressure	6 Bar
Operational Air Pressure	2-4 kg/cm <sup>2</sup>
Maximum Air Pressure	6kg/cm <sup>2</sup>
Maximum Soft Solid Partials	2 mm
Ratio	1:1
Sound Level	75.0 db (A)
Muffler	Integral, Included
Air Inlet	1/4" BSP
Air Exhaust	1/2" BSP
Suction Lift Dry	1.35 meter
Suction lift Wet	2.55 meter
Teflon Dry	0.45 meter
Teflow Wet	0.80 meter

\*This Performance Curve is Neoprene Diaphragm Pump Curve,  
\*\* If Teflon Diaphragm Pump Performance Graph, 25% Low Performance.

Technical Data & Performance Graph

Air Operated Double Diaphragm Pump  
Model : GADP-300

MODEL : GADP-300



\* This Performance Curve is Neoprene Diaphragm Pump Curve,  
\*\* If Teflon Diaphragm Pump Performance Graph, 25% Low Performance.

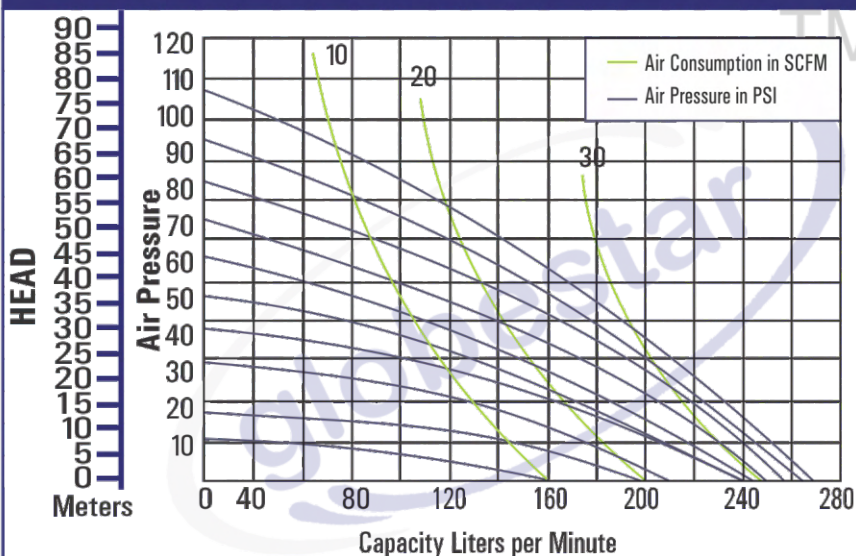
TECHNICAL SPECIFICATION

Suction X Discharge (Inch)	1" X 1"
Maximum Flow Rate	110 lpm at 7 kg/cm <sup>2</sup> Air Pressure
Operational Head Pressure	15-25 Meter
Maximum Head Pressure	7 Bar
Operational Air Pressure	3.5 kg/cm <sup>2</sup>
Maximum Air Pressure	6kg/cm <sup>2</sup>
Maximum Soft Solid Partials	3.17 mm
Ratio	1:1
Sound Level	79.7 db (A)
Muffler	Integral, Included
Air Inlet	1/4" BSP
Air Exhaust	1/2" BSP
Suction Lift Dry	2.9 meter
Suction lift Wet	4.7 meter
Teflon Dry	2.0 meter
Teflow Wet	3.5 meter

Technical Data & Performance Graph

Air Operated Double Diaphragm Pump  
Model : GADP-400

MODEL : GADP-400



\* This Performance Curve is Neoprene Diaphragm Pump Curve,  
\*\* If Teflon Diaphragm Pump Performance Graph, 25% Low Performance.

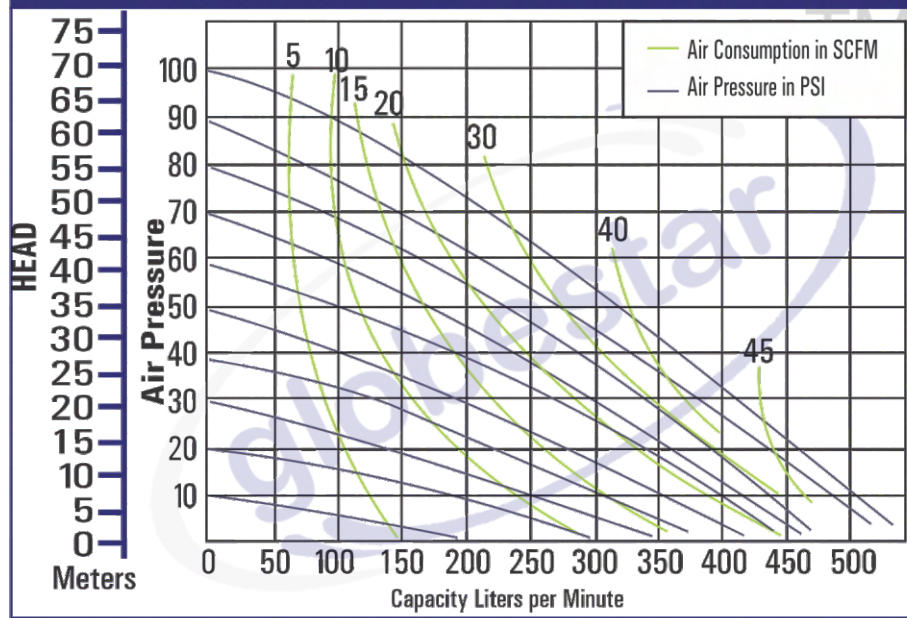
TECHNICAL SPECIFICATION

Suction X Discharge (Inch)	1 1/2" x 1 1/2"
Maximum Flow Rate	260 lpm
Operational Head Pressure	15-25 Meter
Maximum Head Pressure	7 Bar
Operational Air Pressure	3.5 Kg/Cm <sup>2</sup>
Maximum Air Pressure	6 kg/Cm <sup>2</sup>
Maximum Soft Solid Partials	4.76 mm
Ratio	1:1
Sound Level	81 db (A)
Muffler	Integral, Included
Air Inlet	1/2" BSP
Air Exhaust	1/2" BSP
Suction Lift Dry	4.2 meter
Suction lift Wet	7.2 meter
Teflon Dry	2.8 meter
Teflon Wet	5.8 meter

**Technical Data & Performance Graph**

**Air Operated Double Diaphragm Pump  
Model : GADP-500**

**MODEL : GADP-500**



**TECHNICAL SPECIFICATION**

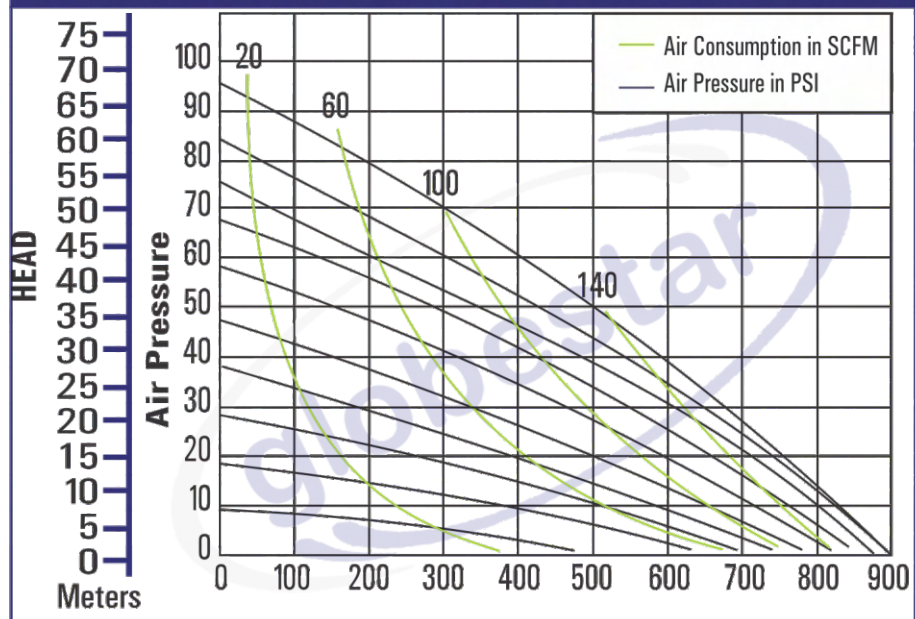
Suction X Discharge (Inch)	2" x 2"
Maximum Flow Rate	500 lpm
Operational Head Pressure	20-30 Meter
Maximum Head Pressure	7 Bar
Operational Air Pressure	4.6 Kg/Cm <sup>2</sup>
Maximum Air Pressure	7 kg/Cm <sup>2</sup>
Maximum Soft Solid Partials	6.35 mm
Ratio	1:1
Sound Level	85 db (A)
Muffler	Intergral, Included
Air Inlet	1/2" BSP
Air Exhaust	3/4" BSP
Suction Lift Dry	4.3 meter
Suction lift Wet	7.35 meter
Teflon Dry	2.8 meter
Teflon Wet	5.8 meter

\* This Performance Curve is Neoprene Diaphragm Pump Curve,  
\*\* If Teflon Diaphragm Pump Performance Graph, 25% Low Performance.

**Technical Data & Performance Graph**

**Air Operated Double Diaphragm Pump  
Model : GADP-800**

**MODEL : GADP-800**



**TECHNICAL SPECIFICATION**

Suction X Discharge (Inch)	3" x 3"
Maximum Flow Rate	870 lpm
Operational Head Pressure	20-35 Meter
Maximum Head Pressure	7 Bar
Operational Air Pressure	5.7 Kg/Cm <sup>2</sup>
Maximum Air Pressure	8 kg/Cm <sup>2</sup>
Maximum Soft Solid Partials	7.95 mm
Ratio	1:1
Sound Level	86 db (A)
Muffler	Intergral, Included
Air Inlet	1/2" BSP
Air Exhaust	3/4" BSP
Suction Lift Dry	4.1 meter
Suction lift Wet	6.9 meter
Teflon Dry	3.1 meter
Teflon Wet	5.5 meter

\* This Performance Curve is Neoprene Diaphragm Pump Curve,  
\*\* If Teflon Diaphragm Pump Performance Graph, 25% Low Performance.

# PORTABLE SUBMERSIBLE DEWATERING PUMP



## GSSS - SERIES

### Application

- Industrial Dewatering.
- Water Treatment Plant
- Effluent Treatments Plants.
- Swimming Pool

### Features

- Long life due to replaceable wearing parts.
- Dynamically balanced rotating parts
- Easy maintenance and pump spare availability

### Technical Data & Performance Graph

PORTABLE SUBMERSIBLE DE-WATERING PUMP PERFORMANCE TABLE (SPEED : 2880 RPM)

No.	Model	HP	Del Size in mm	HEAD IN METERS																												
				4	6	8	10	12	14	15	16	17	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	49	50	52	54
1	GSSS - 1.0	1.0	50	12	10	7	2																									
2	GSSS - 1.5	1.5	50	27	22	18	15	11	3																							
3	GSSS - 2.0	2	50	36	32	28	24	20	17	14	9	5	2																			
4	GSSS - 3.0 - 2	3	50			27	25	24	22	21	19	17	15	13																		
5	GSSS - 3.0 - 3	3	80	60	52	45	36	28	19	8	3																					
6	GSSS - 5.0 - 2	5	50					32	30	27	25	24	22	21	18	13	8	4														
7	GSSS - 5.0 - 3	5	80	73	69	65	60	55	49	43	41	20	4																			
8	GSSS - 7.5	7.5	100	90	83	78	75	72	70	66	61	58	51	44	39	30	24	18	11	8	3	0	-									
9	GSSS - 10.0	10.0	100	99	91	87	84	79	73	71	68	66	58	51	48	37	29	26	21	13	8	2	-									
10	GSSS - 12.5	12.5	100				119	110	101	96	90	84	77	61	33																	
11	GSSS - 15.0	15.0	100					119	112	108	103	99	94	84	72	56	29															
12	GSSS - 20.0	20.0	100									115	112	106	99	92	84	75	64	50	27	-										
13	GSSS - 25.0	25.0	100										117	112	107	102	96	90	84	77	69	59	47	27								
14	GSSS - 30.0	30.0	100											117	113	109	104	100	95	90	84	78	71	63	54	41	31					
15	GSSS - 40.0	40.0	100												117	114	110	106	102	98	94	89	84	79	73	66	63	59	50	37		

# SUBMERSIBLE DEWATERING CENTER LINE TOP DISCHARGE PUMP



**GSCD - SERIES**

## Application

- Industrial Dewatering.
- Water Treatment Plant
- Basement Cleaning
- Swimming Pool

## Features

- Long life due to replaceable wearing parts.
- Dynamically balanced rotating parts
- Easy maintenance and pump spare availability

## Technical Data & Performance Graph

SUBMERSIBLE DEWATERING CENTER LINE TOP DISCHARGE PUMP PERFORMANCE TABLE (SPEED - 2880 RPM)

MODEL	HP	Del. Size mm		HEAD IN METERS																
				6	8	10	12	14	16	18	20	24	26	30	35	40	45	50	55	
GSCD-1.0	1	50	DISCHARGE IN LPM	430	390	310	240													
GSCD-2.0	2	65		680	560	460	290													
GSCD-3.0	3	65			760	650	550	440	300											
GSCD-5.0	5	75			1290	1170	1080	960	800	500										
GSCD-7.5	7.5	100			2150	1850	1600	1300	1050	700	400									
GSCD-10.0	10	100			2400	2200	2000	1750	1400	1100	800									
GSCD-15.0	15	150					3000	2800	2600	2300	2050	1350	1000	320						
GSCD-20.0	20	150						3520	3200	2700	2350	900								
GSCD-25.0	25	150						5020	4750	4450	4000	3700	2650	2100	1000					
GSCD-30.0	30	150						5400	5200	4900	4650	4250	3550	3150	2100	400				
MODEL	HP	Del. Size mm			HEAD IN METERS															
				LPM	16	18	20	24	26	30	35	40	45	50	55	60	65	70	80	85
GSCD-40.0	40	150	4800		4700	4600	4350	4150	3650	2900	1500									
GSCD-50.0	50	150			5200	5100	4900	4800	4500	4000	3000	2000	700							
GSCD-60.0	60	150				5500	5300	5200	5100	4700	4200	3200	2250	1000						





## PROGRESSIVE CAVITY SCREW PUMP



**GSPC - SERIES**

### Application

Effluent Treatment, Pulp & Paper, Sugar & Distilleries, Chemicals & Petrochemicals, Ceramics & Insulator, Starch Industries, Sweets & Confectionaries, Dairy, Paints & Varnishes, Fruits & Vegetable Processing, Beverage Industries, & Cosmetics & Medicines.

### Technical Data

Capacity	: up to 35 m <sup>3</sup> / hr
Pressure	: up to 12 kg / gm <sup>2</sup>
Discharge Size	: 25 mm to 200 mm
Speed	: up to 720 rpm
Temperature	: Max 120 <sup>0</sup> C
Viscosity	: up to 1,00,000 CST
Solid Hand, Size	: Max 25 mm
Material	: C.I. WCB, SS-304, SS-304L, SS-316, SS-316L Alloy-20, CD4MCU, Bronze SS-410, Tool Steel etc.
Stator	: Natural, Nitrile, Neoprene, EPDM, Hypalon, Viton, Food Grade & Special Quality Rubber.



## LOBE PUMP

### Application :

Pulp and Paper Industries, Chemical Industries, Food Industries, Beverage Industries, Pharmaceutical Industries, Biotechnology Industries.

### Technical Data

Flow rate	: up to 48 M <sup>3</sup> / hr
Pressure	: up to 7 bar
Speed	: up to 500 rpm
Material	: SS 316



**GSLB - SERIES**

## VERTICAL LONG SHAFT SUMP PUMP



**GVSP - SERIES**

### Application :

The Globe Sump Pump is Suitable for Handling thin, clean or Slightly contaminated liquids, Such as Water, Cooling Water, Effluent, Cleaning Products, Chemicals, and Hydrocarbons Sulphuric Acid Application Acid Transfer, Aquariums, Chemical processing Chloralkali, General Processing industry, Light Slurries, Organic, Chemicals, Polymers. Petrochemicals Processing, Slurries, Solvents, Waste Processing.

### Technical Data

Capacity	: up to 325 M <sup>3</sup> /hr
Head	: up to 60 mtr.
Discharge Size	: 25 mm to 125 mm
Temperature	: up to 60 <sup>0</sup> C
Pump Length	: up to 4 mtr
Speed	: up to 3500 rpm
Pressure	: up to 6 kg/cm <sup>2</sup>
Material	: C.I., C.S., S.S. 304 / 304L, S.S. 316 / 316L, Bronze, Alloys - 20, CD4MCU, Hard Alloy B&C etc.

## FABRICATED PUMP



**GF - SERIES**

Milk, Cream, Butter Milk Condensed Milk, Fruit Juice, Beer, Wine, Sugar Syrup Vitamin Solutions Sugar & Confectionery, R.O. Water, DM Water, Pure Water. Water for Injection (WFI) Vegetable Oil, Mineral Oil, Lub Oil etc. Pharmaceutical Formulations, Syrup etc. Alkaline Solution / Alcoholic Drinks Acids, Fine Chemicals Botting Plants, Soft Drinks & Distillery, Food Processing / Liquid Food Stuffs Colour dyes and Pigments / Paints, Detergemts, Soaps, Paste & Shampoo, Textile Sizing, Dyeing & Finishing Systems, Natural Cellulose Fiber/ Synthetic Fiber System, Hot & Cold Water Pumping

### Technical Data

Size	: 12mm to 100 mm
Head	: 0.3 mtr to 76 mtr
Capacity	: up to 1890 LPM
Material	: SS304, SS316
Pressure	: 7.6 kg/cm <sup>2</sup>

## CENTRIFUGAL THERMIC FLUID HOT OIL PUMP

### Application :

Petro-Chemical Industries, Oil Industries, Synthetic-Fiber Industries, Textile, Dyeing, Printing Industries, Plastic and Rubber Industries, Paper Making Industries, Timber Processing Industries, Sugar Industries. Food Industries & Construction Industries.

### Technical Data

Capacity	: up to 150 M <sup>3</sup> / hr
Head	: up to 80 mtr
Discharge Size	: 32mm to 80mm
Temperature	: up to 350 <sup>o</sup> C
Pressure	: up to 8 Kg/Cm <sup>2</sup>
Speed	: up to 3500 rpm
Cooling Method	: With Air, Water
Material	: Grey Cast Iron, Cast Steel, WCB



**GCMP - SERIES**

## VERTICAL INLINE PUMP



**GCVF - SERIES**

Industrial boosting : Process flow water system, Cleaning system, high-pressure washing system and fire-fighting system, Water Supply : water filter and transport in waterworks, boosting of main pipeline. boosting in high-rise buildings and etc. industrial liquid conveying : cooling and air-conditioning system, boiler water supply and condensing system

### Technical Data

Capcities Q	: 90 m <sup>3</sup> /hr.
Total heads h	: 228 m
Material	: C.I., SS-304, SS-316
Pressure p	: 25 bar
Temperature t	: -15°C to +120°C

## FIRE FIGHTING SYSTEM



- Globe star Manufacture And Supply Complete Pump Sets Made As Per Local Regulations And Customer Specifications.
- Complete Packages Can Be Supplied (electric Motor, Diesel Engine And Jockey Pump On One Base Plate, With Control Cabinets, Tank, Batteries, Etc.). This Also Includes The Complete Piping With Discharge Collector Pressure Switch.

### Technical Data

Max. capacity	:	up to 400 M3/hr
Max. Head	:	up to 150 mtrs.
Max. Design Pressure	:	up to 16 bar
Temperature	:	up to 200°C
Impeller	:	Close/Semi Open
Flange Standard	:	B16.5 Class 150/ PN16

### Application

- Commercial complexes and high rise buildings
- Petrochemical industries and Gas plants
- Oil and Gas on-shore & off-shore platforms
- Airports and ports
- Marine applications
- Chemical industries
- Manufacturing plants
- Fire-work industries



**GSFFS - SERIES**

## PRESSURE BOOSTER PUMP SYSTEM



**GSPBS - SERIES**

### Application

- Residential buildings
- Commercial buildings
- Hospitals
- Hotels

- Globe Star Not Only Engineers State-of-the-art Pump Technology But Also Provides Service To Rely On. Globe Star Stands By Its Customers All Along, Through The Entire Implementation Of A Project, Offering Continuous After-sales Service And Undertakes A Variety Of Service Contracts And Energy Audits To Provide Optimum And Cost Effective Solutions.
- A systematized solution by GLOBE STAR involves more than merely designing and building the right to meet the exacting demands of a variety of customers.

### Technical Data

Max. capacity	:	up to 23.5 M3/hr
Max. Head	:	up to 228 mtrs.
Max. Pressure	:	up to 25 bar
Temperature	:	up to -15°C to +120°C

# MECHANICAL SEALS



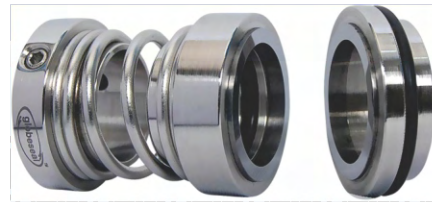
## Single Spring Seal

### Features

Unbalance Pusher Seal. Inside mounted Helical single coil spring mechanical seal. Secondary as "O" ring and "V" packing as. Independent direction of rotation.

### Materials

Seal Ring Face	: carbon, Ceramic (99.5%), Sic and TC
Seat Faces	: NIR, Cermaic, Sic and TC
Elastomer	: Viton, Silicon, ERP, Kalrez, PTFE, TCV, FEP, GFT, TTV, EPDM, NBR
MOC	: SS-304, SS-316, Hast-C, Alloy -20



**GSS - 151 / GSS - 156 - SERIES**

### Operating Capabilities

Shaft Dia	: 10 mm to 100 mm
Pressure	: Up to 10 Bar (Kg/cm <sup>2</sup> )
Temperature	: -45 <sup>0</sup> C to 200 <sup>0</sup> C
Speed	: up to 6000 R.P.M

## Multi Spring Seal

### Features :

Balance Pusher Seal. Inside mounted multi spring type mechanical Seal. seal as "O" ring and PTFT wedge as dual directional design.

### Materials

Seal Ring Faces	: carbon, Ceramic (99.5%), Sic and TC
Seat Faces	: NIR, Cermaic, Sic and TC
Elastomer	: Viton, Silicon, ERP, Kalrez, PTFE, TCV, FEP, Aflas, EPDM, Grafoil
MOC	: SS-304, SS-316, Hast-C, Menol, Alloy-20



**U-81 / U-86 - SERIES**

### Operating Capabilities

Shaft Dia	: 12 mm to 100 mm
Pressure	: Up to 10 Bar (Kg/cm <sup>2</sup> )
Temperature	: -60 <sup>0</sup> C to 260 <sup>0</sup> C
Speed	: up to 6000 R.P.M

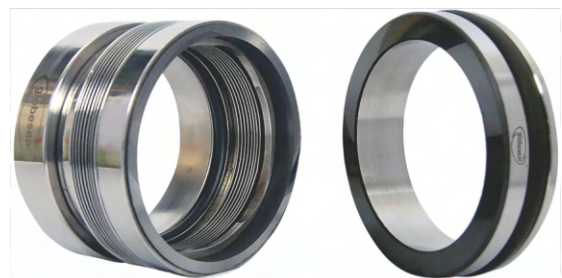
## Metal Bellow Seal

### Features :

Single acting, Dual Directional Design, Inside Mounted Seal. Inherently balance metal bellow Mechanical Seal. Independents direction of rotation.

### Materials

Seal Ring Faces	: Carbon-M, Sic and TC
Seat Faces	: TC and Sic
Elastomer	: MB61, Viton, Kalrez, MB66-Grafoil, FEP, CFT
End Fitting MOC	: SS-304, SS-316, Hast - C, Monel, Alloy-20
Bellow MOC	: Hast-C, AM 350 Inconel



**MB - 61 & MB-66 - SERIES**

### Operating Capabilites

Shaft Dia	: 12 mm to 10 mm
Pressure	: Up to 10 bar (Kg/cm <sup>2</sup> )
Temperature	: -60 <sup>0</sup> C to 260 <sup>0</sup> C
Speed	: Up to 6000 R.P.M

## Cartridge Balance Seal

### Features

Double Cartridge mechanical seal. Dual directional design. seal up to 20% inside mounted seal. Blanced Seal.

### Materials

- Seal Ring Faces : (Dynamic Ring & Stationary Ring) Carbon, Ceramic (99.5%), Silicon, Carbide, Tungsten Carbide, Chrome, Cast Steel, Which are Suitable for Fluid.
- Seat Faces : TC and Sic
- Elastomer : Viton, EPDM, Silicon, Aflas, PTFE, GFT, TCV & FEP, Kalrez.
- MOC : SS 316, change of MOC on Request



**B91/CG & B901/CG - SERIES**

### Operating Capabilities

- Shaft Dia : 18 mm to 100 mm (0.75" to 4.0")
- Pressure : 5 to 35 Bar (Kg/cm<sup>2</sup>)
- Temperature : -20<sup>0</sup>C to 300<sup>0</sup>C
- Speed : up to 4000 R.P.M According to Shaft Size & Pressure.

## PTFE Bellow with External Mounted Seal

### Features :

Outside mounted seal with Replaceable face. Hydraulically balanced bellow mechanical seal. Independent direction of rotation. Dual direction multi spring design.

### Materials

- Seal Ring Face : GFT, PTFE, CFT
- Seat Faces : Ceramic
- Elastomer : PTFE & GFT
- MOC : SS 316, Hast-C and Alloy-20
- Bellow MOC : PTFE+GFT Composite



**M-021 - SERIES**

### Operating Capabilities

- Shaft Dia : 10 mm to 100 mm
- Pressure : Up to 10 Bar (Kg/cm<sup>2</sup>)
- Temperature : 30<sup>0</sup>C to 120<sup>0</sup>C
- Speed : up to 4000 R.P.M

## Conical Spring Seal

### Features

Unbalance Pusher Seal. Inside mounted Conical spring type mechanical Seal. Secondary seal as "O" ring and PTFE wedge as dual directional design.

### Materials

- Seal Ring Faces : Carbon, Sic and TC
- Seat Faces : TC and Sic
- Elastomer : Viton, TTV, FEP and Kalrez
- MOC : SS 316, change of MOC on Request



**U-3 - SERIES**

### Operating Capabilities

- Shaft Dia : 10 mm to 100 mm
- Pressure : Up to 10 bar
- Temperature : -60C to 180 C
- Speed : 6000 r.pr.m.

## AGITATOR SEAL

### Features :

Double balanced mechanical seal. These seals are excellent with low RPM operation in vacuum and pressure conditions. Design Without bearing or with integral bearing, Design for Top bottom and side entry.

### Materials

- Seal Ring Faces : (Dynamic Ring & Stationary Ring) Carbon, Ceramic (99.5%) Silicon Carbide, Tungsten Carbide, Chrome Cast Steel, Which are Suitable for Fluid.
- Seat Faces : TC and Sic
- Elastomer : Viton, EPDM, Silicon, Aflas, PTFE, GFT, TCV & FEP, Kalrez.
- MOC : SS 316, change of MOC on Request

### Operation Capabilities

- Shaft Dia : 25 mm to 200 mm (1" to 7.875")
- Pressure : Full Vacuum to 35 bar (Kg/cm<sup>2</sup>)
- Temperature : 60°C to 260° C
- Speed : up to 2000 R.P.M. According to Shaft Size & Pressure.



**U91 / U96 / BCG - SERIES**

## Thermosyphon System

The Thermosyphon provides Lubrication, dissipate heat and maintain the temperature and required pressure gradient across the seal faces in case of double back to back and tandem seal arrangement for pumps and agitator seals. Plan 52 and 53A configurations, Economical light and heavy duty reservoir for general services applications. Instrumentations on each reservoir is according to local standards and can be adapted to suit application and customer requirements, 304 and 316 stainless steel construction, cooling coil is optional.

### Application :

MOC : SS-316, SS-304 & MS

### Operating Capabilities

- TS 20 pressure Limit : 20 bar
- TS 40 pressure Limit : 40 bar
- Temperature : Up to 200° C

### Accessories

- Pressure Gauge (0-40 kg/cm<sup>2</sup>) - To Measure the Pressure Inside Vessel.
- Level Gauge : To Indicate the liquid level inside the Vessel.
- Hand Pump : To Recharge the Thermosyphon Vessel with Additional Quantity of Barrier Fluid When Thermosyphon is under Pressure and Liquid level is Low.



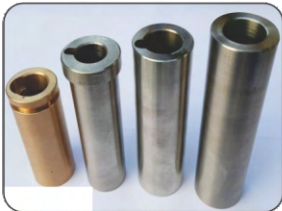
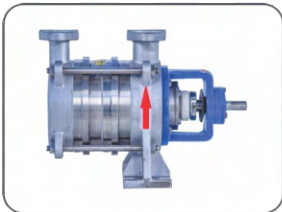
**GTS1 - SERIES**

Ride By Quality

TM

globestar

## PUMPS & PUMP SPARES



**GLOBE STAR**  
**ENGINEERS (INDIA) PVT.LTD.**  
AN ISO 9001:2015 CERTIFIED COMPANY



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