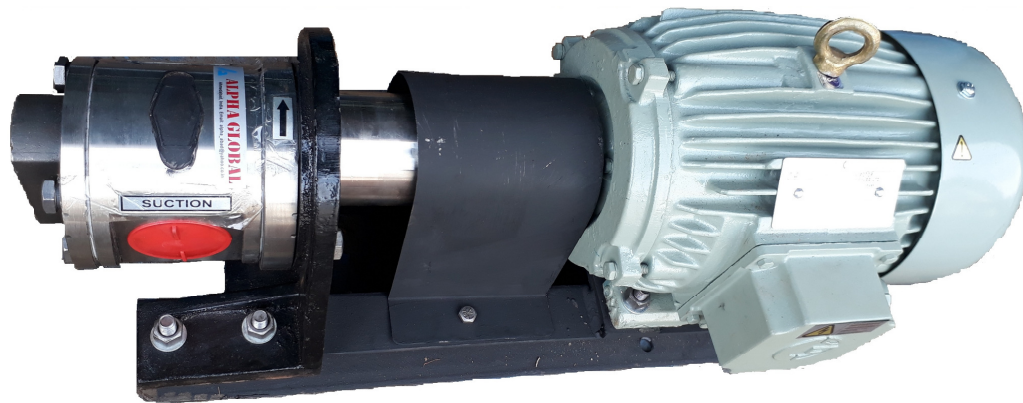




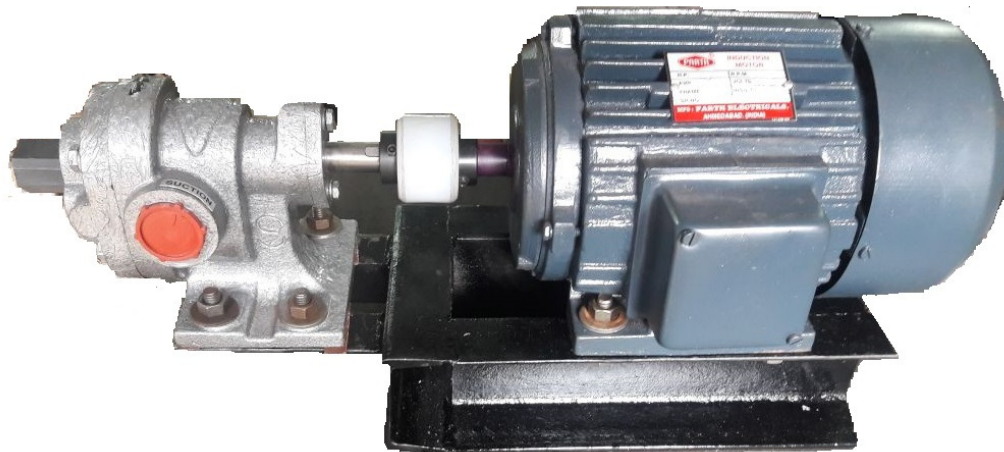
# ALPHA GLOBAL



## POSITIVE DISPLACEMENT BARE SHAFT EXTERNAL GEAR PUMPS



**SS EXTERNAL BARE SHAFT GEAR PUMP**



**C.I. EXTERNAL BARE SHAFT GEAR PUMP**

### **FEATURES :**

- All Positive displacement rotary gear pumps are self priming pumps with suction lift of 5 meters at mean viscosity and speed 1440 rpm

- The SEG series of Efficient pump has modified profile of teeth to give accurate discharge within the pressure range.
- The helical gear design delivers constant volume without and 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 be transferred has lubrication properties Hence the bearing are lubricated by the pumping fluid and do not need any external lubrication.
- Easy maintenance due to availability and interchangeability of spares.
- All Efficient gear pumps are designed and assembled and with close tolerances to reduce the mechanical losses, thus it consumes less power and operates at higher efficiency.

**PERFORMANCE CHART :**

SUC X DEL MM	CAPACITY		Pressure in Kg/cm <sup>2</sup>										NET WEIGHT KGS
			1	2	3	4	5	6	7	8	9	10	
	LPM	M3/HR	Motor required in HP ( SPPED 1440 RPM )										
10 X 10	10	0.6	0.25	0.25	0.25	0.25	0.50	0.50	0.50	0.50	0.75	0.75	2.400
15 X 15	20	1.2	0.50	0.50	0.5	0.50	0.75	0.75	0.75	0.75	1.00	1.00	2.800
20 X 20	30	1.8	0.50	0.50	0.75	0.75	0.75	1.00	1.00	1.0	1.50	1.50	5.000
25 X 25	50	3	0.50	0.75	0.75	1.00	1.00	1.50	1.50	1.5	2.00	2.00	6.000
40 X 40	110	6.6	1.50	2.00	3	3.00	3.00	3.00	5.00	5.0	5.00	5.00	11.000
50 X 50	225	13.5	3.00	3.00	5	5.00	5.00	5.00	7.50	7.50	7.50	12.50	18.500
65 X 65	350	21	5.00	7.50	7.5	10.00	10.00	10.00	12.50	12.50	15.00	15.00	29.000
80 X 80	500	30	7.50	10.00	10	12.50	12.5	15.00	15.00	17.50	20.00	20.00	45.000

**PERFORMANCE RANGE:**

**Pressure : Up to 10 Kg / cm<sup>2</sup>**

**Discharge : 10 LPM to 500 LPM**

**Pipe Size : 1/4” BSP to 3” BSP**

**MATERIAL OF CONSTRUCTION:**

<b>Pump Body :</b>	<b>C.I. Gr. FG 200</b>
<b>Back Cover :</b>	<b>C.I. Gr. FG 200</b>
<b>Gland Cover :</b>	<b>C.I. Gr. FG 200</b>
<b>Rotor Assembly :</b>	<b>Gear – SAE 8620, Shaft – EN – 8</b>
<b>Bush :</b>	<b>Sintered Bronze</b>
<b>Oil seal :</b>	<b>Nitrile Rubber</b>
<b>Rotor Shaft Key :</b>	<b>M.S.</b>

**Also available in Stainless Steel ( CF 8 & CF 8M ) Construction on request.**

**APPLICATION:**

- Rotary gear pumps are useful for handling following viscous and semi viscous liquid
- Clean lube oil, Castor oil, Coconut oil, Ground nut oil, Cotton seed oil and Hydraulic oil.
- All kind of vegetable oils.
- Paints & Varnish
- All Kind of fish and animal oils.
- Soap Solutions
- Sugar molasses and syrups.
- Printing Ink.
- Glycerin, Glycol and glue
- Viscous Chemical

**Rotary gear pumps are widely used in paper mills, refineries, Steel mills and textile Industries.**

**Contact us :**



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