



Mfg.: Thermo Pack Hot Oil Pumps, Air Cool Pump & Oil Circulation Pump
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EXTERNAL GEAR PUMP

➤ FEATURE

- All Positive displacement rotary gear pumps are self priming pumps with suction lift of 3 meters at mean viscosity and speed 1440 rpm
- The REG series of Roton pump has modified profile of teeth to give accurate discharge within the pressure range
- The helical gear design delivers constant volume without 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 with close tolerances to reduce the mechanical losses, thus it consumes less power and operates at higher efficiency.



➤ APPLICATION

- ROTON" 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



➤ RANGE

- Pressure: Up to 12 Kg / cm²
- Discharge: 10 LPM to 1000 LPM
- Pipe Size: 1/4" BSP to 4" BSP

➤ MATERIAL OF CONSTRUCTION

CI		SS	
Pump Body	: C.I. Gr.FG 200	CF-8M/SS316/SS316L	
Back Cover	: C.I.Gr.FG 200	CF-8M/SS316/SS316L	
Gland Cover	: C.I.Gr. FG 200	SS316/SS316L	
Rotor Assembly	: Gear – SAE 8620/Shaft – EN – 8	SS316/SS316L	
Bush	: Sintered Bonze	SS316	
Oil seal	: Nitrile Rubber	Teflon	
Rotor Shaft key	: M.S.	M.S.	
Packing	: Prespane Paper	Teflon	

Also available in stainless steel (CF 8 & CF 8M) Construction on request.

➤ CAST IRON PUMP PERFORMANCE TABLE

MODEL	SUC DEL MM	CAPACI TY		Pressure in Kg/cm²										NET WEIG HT KGS
				1	2	3	4	5	6	7	8	9	10	
		LP M	M3 H R	Motor required in HP (SPPED 1440 RPM)										
REG - 10	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
REG - 15	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
REG - 20	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
REG - 25	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
REG - 40	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
REG - 50	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
REG - 65	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
REG - 80	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

➤ SS-316 PUMP PERFORMANCE TABLE

MODEL	SUC DEL MM	CAPACITY		PRESSURE IN KG/CM ²			WT OF PUMP IN KGS (APPROX)
		LPM	M ³ /HR	02 KG/CM ²	04 KG/CM ²	08 KG/CM ²	
SREG-025	10 X 10	5	0.3	0.25	0.25	0.75	3.5
SREG-50R	15 X 15	15	0.9	0.5	0.5	1.0	3.8
SREG-50	15 X 15	25	1.5	0.5	1.0	1.5	4.0
SREG-100	25 X 25	50	3	1.0	1.5	2.0	6.0
SREG-125	32 X 32	80	4.8	2.0	3.0	5.0	11.0
SREG-150	40 X 40	125	7.5	2.0	3.0	5.0	15.0
SREG-200R	50 X 50	150	9	3.0	5.0	7.5	21.0
SREG-200	50 X 50	200	12	5.0	7.5	10.0	22.0