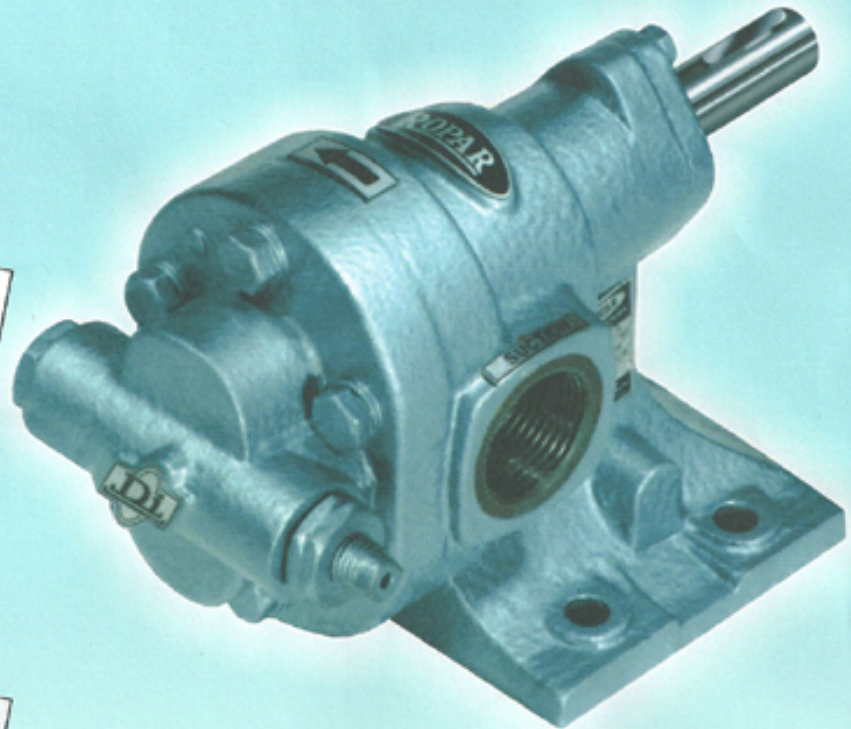




# ROTARY GEAR PUMP

Type-CG

## ASSURED QUALITY & RELIABILITY



For Loading, Unloading & Transfer of all Viscous & Semi-Viscous Liquids, Oils & Petroleum Products

### Special Features :

Modified Profile Single Helical Gears, Hardened & Ground Shafts, Self lubricated Sintered bronze Bush Bearing, Effective Built in Pressure Relief Valve.

- Available in 9 size
- Capacity from 5 to 500 LPM
- Maximum working pressure 10 kg/cm<sup>2</sup>
- Temperature 90°C, Viscosity 10,000 CST
- Modified version for high temp. upto 250°C
- Modified version for Molasses and Vacuum application



**DI ENGINEERS**



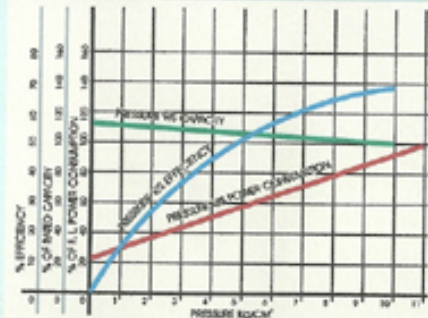
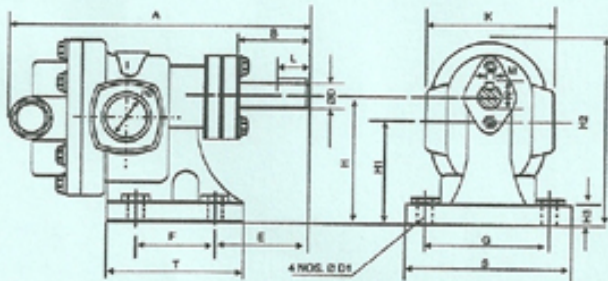
**ROPAR**

ROTARY GEAR PUMP

POWER CHART

PUMP MODEL	INLET OUTLET SIZE	CAPACITY AT 1440 RPM			POWER CONSUMPTION IN BHP AT DIFFERENTIAL PRESSURE OF kg/Cm <sup>2</sup> with 1500 SSU VISCOSITY										WEIGHT OF BARE SHAFT PUMP IN KG.
		LPM	US GPM	M <sup>3</sup> /hr	1	2	3	4	5	6	7	8	9	10	
CG-025	1/4" x 1/4"	5	1.3	0.3	0.25		0.35			0.5					1.40
CG-050	1/2" x 1/2"	20	5.3	1.2	0.50					0.75					2.20
CG-075	3/4" x 3/4"	30	7.92	1.8	0.50			0.75			1.0				4.30
CG-100	1" x 1"	50	13.2	3.0	0.5		0.75		1.0		1.50				5.20
CG-125	1 1/4" x 1 1/4"	75	19.8	4.5	1.0		1.50			2.0			3.0		8.30
CG-150	1 1/2" x 1 1/2"	110	29	6.6	1.5		2.0		3.0			5.0			9.80
CG-200	2" x 2"	225	59.4	13.5	3.0			5.0			7.5				17.5
CG-250	2 1/2" x 2 1/2"	350	92.5	21.0	5.0		7.5		10			12.5			35.4
CG-300	3" x 3"	500	131.6	30	10.0		12.5		15.0			20.0			54.0

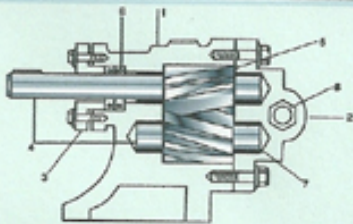
CAD DRAWING & PERFORMANCE CURVE



DIMENSION (in mm)

MODEL	A	B	E	F	G	S	T	H	H1	H2	H3	L	M	N	OD	OD1	K	P3
CG-025	118	21.5	22	35	60	78	60	54	43	78	6	18	4	11	9.5	7	60	1/4" BSP
CG-050	158	38	51	40	70	90	70	63	50	90	6	22	4	13.5	12	8	70	1/2" BSP
CG-075	183	44.5	63.5	45	85	110	80	80	66	116	8	25	5	16	14	10	80	3/4" BSP
CG-100	203	55	64.5	50	90	120	95	90	73	128	8	27	5	19	17	10	90	1" BSP
CG-125	240	60	65	60	105	140	110	100	79	140	10	32	6	22.5	20	12	100	1 1/4" BSP
CG-150	262	65	80	70	115	150	130	110	85	155	12	35	6	24.5	22	12	108	1 1/2" BSP
CG-200	322	84	92	100	140	180	160	132	105	192	15	40	8	28	25	15	142	2" BSP
CG-250	384	97	110	120	155	200	185	145	114	215	18	45	8	31	28	17	160	2 1/2" BSP
CG-300	437	108	120	140	180	235	205	160	120	235	20	50	8	33	30	17	170	3" BSP

MATERIAL OF CONSTRUCTION



Sr. No.	PART	MOC.
1	CASING	CI GR. 20
2	R.V. COVER	CI GR. 20
3	GLAND COVER	CI GR. 20
4	SHAFTS	EN-8 H&G
5	GEARS	EN-8
6	SEALING	OIL SEAL
7	BEARING	BRONZE BUSH BEARING
8	PLUG	BRASS

APPLICATION

ROPAR Rotary gear pumps are useful for handling viscous liquids i.e. all kind of oils, viscous chemicals, and food application, following liquid can be handle with them.

All kind of mineral oils, All kind of vegetable oils, Coal tar, Bitumen, Asphalts, Paints & Varnish, Sugar Molasses & syrups Printing inks & Dyes, All kind of fish & animal oils, Glycerine & Glycol, Fuel oil, Diesel oil & Furnace oil, Soap solutions & Lard, Viscous chemicals.

Rotary Gear pumps finds wide application in Power plant, Steel mills, Potteries, Refineries, Oil storage installations etc.



MANUFACTURED IN INDIA BY:  
**DI ENGINEERS**

AUTHORISED  
DEALER