

Rotary Gear Pumps



FEATURES:

- ✓ Single helical gears
- ✓ Hardened & ground shaft
- ✓ Max. capacity -500 Lpm
- ✓ Max. pressure – 10 kg/ cm²
- ✓ Max temperature – 80°c
- ✓ Modified version for high temp up to - 200°c
- ✓ Modified version for molasses and vacuum Application
- ✓ Higher aesthetic valve

HORSE POWER AND CAPACITY CHART:

PUMP MODEL	INLET OUTLET SIZE	CAPACITY			RECOMMENDED MOTOR HP DIFFERENTIAL PRESSURE OF " X" kg/ cm ² WITH 1500 SSU VOISCOSITY & SPECIFIC GRAVITY @ 0.8g/ CC										WT. OF BARE SHAFT PUMP IN KG
		LPM	US GPM	M3/hr	1	2	3	4	5	6	7	8	9	10	
PG-050	½"X1/2"	20	5.30	1.20	0.50					0.75					2.80
PG-075	¾"X3/4"	30	7.92	1.80	0.50			0.75			1.00				4.50
PG-100	1"X1"	50	13.20	3.00	0.50		0.75		1.00		1.50				6.20
PG-125	1 ¼"X1 ¼"	75	19.80	4.50	1.00		1.50			2.00			3.00		8.50
PG-150	1 ½"X1 ½"	110	29	6.60	1.50		2.00		3.00			5.00			10.50
PG-200	2"X2"	225	59.40	13.50	3.00			5.00			7.50				18.00
PG-250	2 ½"X2 ½"	350	92.50	21.00	5.00		7.50		10.00			12.50			27.30
PG-300	3"X3"	500	131.60	30.00	10.00		12.50		15.00			20.00			37.00

DETAILS:

SR NO	PART	MOC	VISCOSITY	SPEED	CAPACITY
1	CASING	CI GR 20	UP TO 500CST	1500 RPM	100%
2	R.V. COVER	CI GR 20	500-1500 CST	1000 RPM	66%
3	GLAND COVER	CI GR 20	1500-5000 CST	750 RPM	50%
4	SHAFTS	EN – 9- H & G	5000-15000 CST	500 RPM	33%
5	GEARS	EN-8	15000-30000 CST	380 RPM	25%
6	GLAND SEAL	OIL SEAL	30000-50000 CST	300 RPM	20%
7	SHAFT BRG	SINTREAD BRONZE BUSH	50000-100000 CST	200 RPM	13%
8	R.V. PLUG	BRASS / M.S/ ALUMINUM	100000-200000 CST	150 RPM	10%

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