

Performance that shows in
Every Flow

Rotary Gear Pump

ME Series



Specification

- Concept: Single Helical Gear Pump
- Capacity: 20 LPM to 500 LPM
- Size: ½" BSP to 3" BSP Screw end (8 Different Sizes)
- Shaft Seal: Mech. Seal & Gland Pack
- Pressure: Up to 10 bar
- MOC: Cast Iron vs Alloy Steel
- Temp: Upto 200°C

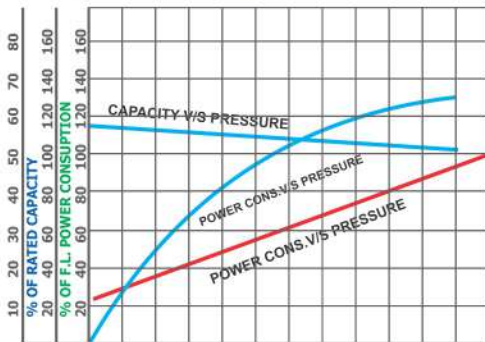
Application

Transferring for all types of non food grade viscous liquids, All Kinds of Viscous Oils and Petroleum Products, Rolling Mills, Steel Plants, Vegetable Oil Mills, Paint Industry, Food Industry, Ceramic Industry.

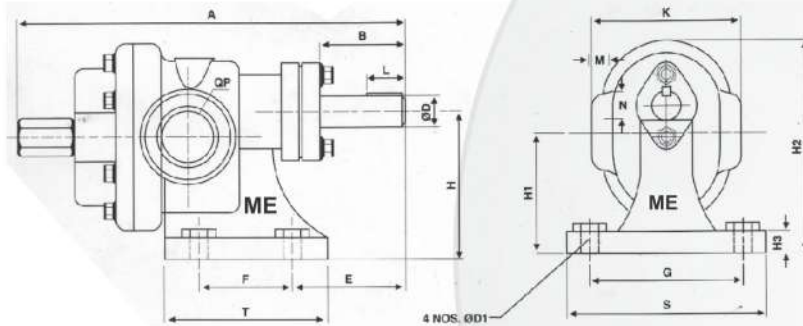
Capacity Chart

	Pump Model	Inlet x Outlet Size BSP	Capacity at 1440 RPM			Require Power in H.P. at Pressure			Weight of Bare Shaft Pump in KG.
			LPM	US GPM	M3/hr	0-3 bar	4-6 bar	7-10 bar	
APPROXIMATE	ME-050	1/2" x 1/2"	20	5.3	1.2	0.50	1.00	1.50	2.20
	ME-075	3/4" x 3/4"	30	7.92	1.8	0.75	1.00	1.50	4.30
	ME-100	1" x 1"	50	13.5	3.0	1.00	1.50	2.00	5.20
	ME-125	1 1/4" x 1 1/4"	75	19.8	4.5	1.50	2.00	3.00	8.30
	ME-150	1 1/2" x 1 1/2"	110	29	6.6	2.00	3.00	5.00	9.80
	ME-200	2" x 2"	225	59.4	13.5	3.00	5.00	7.50	17.5
	ME-250	2 1/2" x 2 1/2"	350	92.5	21.0	5.00	7.50	10.0	35.4
	ME-300	3" x 3"	500	131.5	30	7.50	10.0	15.0	54.0

Performance Curves



GA Drawing



Available in 8 Size

Capacity From 20 LPM to 500 LPM /
Maximum Working Pressure 10kg/cm²,
Temperature - upto 250M°C, Viscosity 100000 CST.

DIMENSION (IN MM)	Model	A	B	E	F	G	S	T	H	H1	H2	H3	L	M	N	OD	D	K	QP
	ME-050	162	38	51	40	70	90	70	63	50	90	6	22	4	13.5	12	8	70	1/2" BSP
	ME-075	216	44.5	63.5	45	85	110	80	80	66	115	8	25	5	16	14	10	80	3/4" BSP"
	ME-100	234	55	64.5	50	93	120	95	90	73	128	8	27	5	19	17	10	90	1" BSP
	ME-125	261	60	65	60	105	140	11	100	79	140	10	32	6	22.5	20	12	100	1 1/4" BSP
	ME-150	268	65	80	70	115	150	130	110	88	155	12	35	6	24.5	22	12	108	1 1/2" BSP
	ME-200	360	84	92	100	140	180	160	132	105	192	15	40	8	28	25	15	142	2" BSP
	ME-250	414	97	110	120	155	200	185	145	114	215	18	45	8	31	28	17	160	2 1/2" BSP
	ME-300	450	108	120	140	180	235	205	160	235	235	20	50	8	33	30	17	170	3" BSP

Material of Construction

Sr. No.	Part	MOC
1	Casing/Body	C.I. FG 260
2	Back Cover	C.I. FG 260
3	Gland Cover	C.I. FG 260
4	Shaft	8620 / EN-8
5	Gears	EN-24 / EN-8
6	Seals	Lip / Gland
7	Bearing	Sinter Bronze
8	Rv. Assy	M.S.

Silent Feature

"ShriMaruti" Brand Rotary Gear Pumps are prepared by graded cast iron in economic range which is easy to maintain.

All "Maruti" Gear Pumps are designed and assembled with closed clearance to avoid internal losses, thus it consumes less power and operates at higher efficiencies.

Special Features

Single Helical Gears, Hardened & Ground Shafts, Self lubricated Sintered bronze Bush/Bearing, Effective Built in pressure Relief Valve. Low Noise, High efficiency, Reliable by Low Cost.

ShriMaruti Precision Engineering Pvt. Ltd.

A/7, Mahadev Estate, Part-3, Nr. Ramol Police Station,
CTM-Ramol Road, Ahmedabad-382 449, Gujarat-India.

+91 98258 42966 | info@marutipump.com

www.marutipump.com