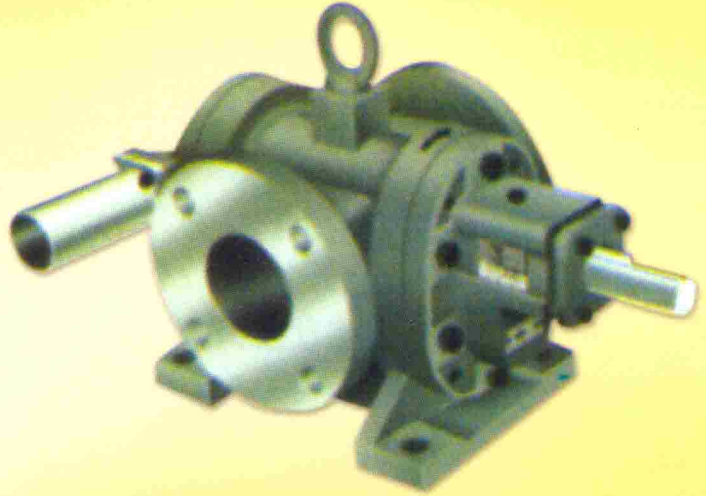
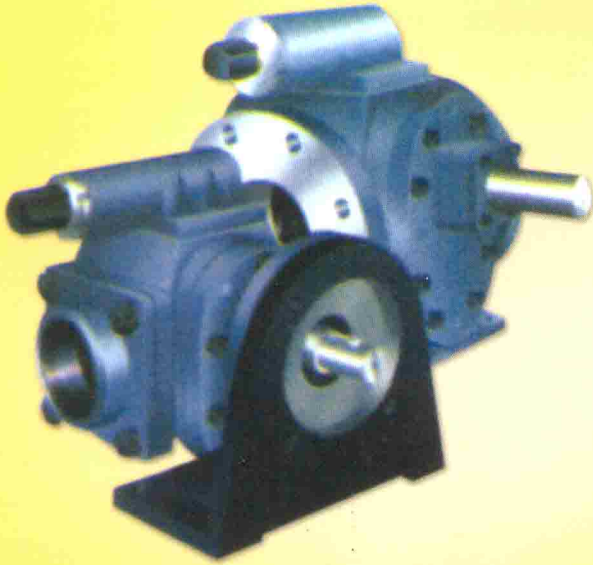


MESCO GEAR PUMPS



Viscosity	Speed	Capacity
Upto 500 CST	1440 rpm	100%
500 to 2000 CST	960 rpm	66.6%
2000 to 5000 CSTI	720 rpm	50%

SS Gear pump - Salient features

These are available in investment cast SS 316 and SS 316L material. The gears and shafts are nitrated and the DU bushes Teflon coated.

They are wear resistant and can operate in temperature upto 200 deg C

Recommended for liquids

Viscous and corrosive liquids, mild acids, printing ink, dyes, sugar syrubb, resin or pigments, slurry, glycerine, kerosene, vegetable, oils, honey admixture, edible oils etc., Etc.,

MOC of Components:

- a) Body : SS316
- B) Covers : SS316
- C) Gears : SS 316 nitrated
- D) Shafts : SS 316 nitrated
- E) Gland cover : SS316
- F) Seal : PTEF
- G) Bracket : C.I.
- H) Bush : PTFE coated
- I) Bolts : SS 304
- J) Relief valve : SS316

CI gear pumps - Saight features

They are simple, silent, compact, efficient and economical. They arc good for temperatures upto 90 deg C.High temperature various arc available on request.

Applications:

They are suitable for transfer of vegetable oils, mineral and animal oils, non-corrosive viscous and semi-visous liquids, lubricants like engine oil and gear oil, kerosene etc.,

MOC of components :

- A) Casing : Graded CI & WCB
- B) Covers : Graded CI & WCB
- D) Shafts : En9 H & G
- E) Gears : En8
- F) Shaft seal : Oil Seal
- G) Bearing : Bronze bush bearing
- H) Plug : Brass

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An ISO 9001:2008 Company

GEAR PUMP

TECHNICAL DATA TABLE FOR PUMP TYPE MGP & MGB

Type	Branches	Max. r.p.m	Q, P & N at various 'n'										Weight in Kg.	
			P Kg. per sq. cm.	n=300/min.		n=500/min.		n=735/min.		n=960/min.		n=1450/min.		
				Q	N	Q	N	Q	N	Q	N	Q		N
				L.P.M	KW	L.P.M	KW	L.P.M	KW	L.P.M	KW	L.P.M		KW
MGP - 1/2	1" x 1/2" BSP	1500 r.p.m	2		4.8	0.12	7.5	0.16	10.4	0.22	16.0	0.33	5	
			6		4.6	0.18	7.2	0.23	10.0	0.31	15.4	0.45		
			10		4.2	0.25	6.8	0.36	9.5	0.47	14.5	0.67		
MGP - 1	1" x 1/2" BSP		2		12.0	0.20	17.7	0.30	24.1	0.40	38.1	0.65	7	
			5		11.5	0.30	17.3	0.45	23.6	0.57	36.8	0.87		
			8		10.5	0.47	16.3	0.65	21.8	0.83	35.0	1.21		
MGP - 2	3/4" x 3/4" BSP		2		17.0	0.26	25.4	0.41	34.5	0.52	54.9	0.90	8	
			5		16.5	0.44	25.0	0.62	34.1	0.81	54.0	1.21		
			8		15.0	0.65	24.1	0.95	32.7	1.21	51.8	1.70		
MGP - 3	1" x 1" BSP		2		25.0	0.31	36.8	0.47	49.0	0.64	76.3	1.01	10	
			4		24.0	0.48	35.4	0.67	48.1	0.90	74.9	1.31		
			6		22.0	0.75	33.1	0.98	44.9	1.21	71.7	1.81		
MGB - 4	1 1/4" x 1 1/4"		2		49.0	0.54	72.6	0.81	95.8	1.06	148.0	1.66	32	
			4		47.7	0.82	70.8	1.15	94.0	1.47	145.3	2.22		
			6		44.9	1.31	68.1	1.76	89.9	2.17	140.7	3.11		
MGB - 5	1 1/2" x 1 1/2"	2		74.0	0.82	109.9	1.26	143.9	1.63	222.5	2.52	37		
		4		71.7	1.26	108.1	1.81	141.6	2.29	217.9	3.33			
		6		66.7	2.00	101.7	2.72	134.8	3.26	208.8	4.74			
MGB - 6	2" x 2"	1000 r.p.m	2	58.6	0.60	99.9	1.11	148.0	1.55	197.9	2.07	58		
			4	56.3	0.95	97.2	1.48	145.7	2.22	195.2	2.89			
			6	51.3	1.41	90.8	2.29	138.9	3.22	188.0	4.00			
MGB - 7	2 1/2" x 2 1/2"		2	74.5	1.06	128.9	1.63	190.7	2.37	254.2	3.18	67		
			4	73.1	1.46	125.8	2.37	188.4	3.37	252.0	4.29			
			6	68.6	2.22	119.9	3.63	179.8	4.94	243.3	6.07			
MGB - 8	3" x 3"		2	184.3	1.86	315.5	2.89	467.6	4.44			82		
			4	179.8	2.62	308.7	4.29	458.5	6.05					
			6	169.8	4.03	292.8	6.22	440.4	8.36					
MGB - 9	4" x 4"		750 r.p.m	2	234.7	2.32	395.0	3.63	549.3	5.55			99	
				4	227.9	3.26	390.4	5.25	544.8	7.55				
				6	214.7	4.96	372.3	7.84	522.1	10.58				
MGB - 10	4" x 4"			2	413.1	4.03	681.0	6.44	1026.0	11.10			159	
				4	406.3	5.77	674.6	9.03	1017.0	12.88				
				6	384.5	8.66	662.8	13.10	926.2	18.13				

Q - transported quantity in L.P.M - changes approximately in direct proportion to r.p.m.

N - pump input in KW at pumping of machine oil of 8-10°E viscosity, slightly rises with greater viscosity at identical "Q" & "P" values. The output of the driving motor is chosen with a reserve of about 30 to 50% of N.

P - working pressure in kg. per sq. cm. n - revolution per minute.

Max. r.p.m. limits for various liquids according to the size of the pump and working pressure are approximately given below :

Viscosity	Speed	Capacity
up to 500 CST	1450 RPM	100%
500-2000 CST	960 RPM	66%
2000-5000 CST	720 RPM	50%



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