

Perfect Solution

for Transfer of Corrosive, Hygienic & Viscous Liquid





"Let Our Quality Speak For Itself"

ADVANCED TECHNOLOGY FOR PUMPING VISCOUS LIQUID



Rotary Gear Pumps SINCE: 1993

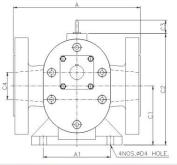
Fluid Tech Systems offers "ROTOFLUID" brand gear pump Model "FTMS" which is heavy duty foot mounting type positive displacement rotary twin gear pump. Model "FTMS" having all stainless steel (SS-316) in four piece construction with investment cast. Due to four piece construction it can be easy clean and maintain. These pumps having a double helical refined SS-316 gear shaft that are nitrated to give longer life. Due to Double helical gear it prevent axial and side thrust which help to increase life & performance of pump. The teflon coated dry running DU bush bearing, supported on bronze wearing plate, placed inside the pump casing, alternatively bronze wearing plate cum bushes can also be provided for thicker viscous liquid application. The stuffing box is fitted with "GFO" pack sealant with provision to fit mechanical shaft seal. These pumps provide with add-on type pressure relief valve. To facilitate the heating of the pump by steam or thermic fluid etc. the jacketing construction should be selected.

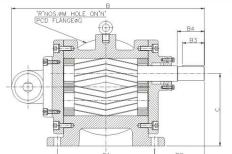
The pumps made by **Fluid Tech systems** have flange at the end of suction & the customer can get an instant delivery of $\frac{1}{2}$ " to 6" size. which can be operated up to pressure of 10 kg/cm² with 13 LPM to 1330 LPM flow capacity and are suitable for maximum temperature up to 200° C and maximum viscosity up to 1,00,000 SSU.

Model FTM: All feature are same as FTMS but there are the following changes

• Casing: available in C.I. and WCB casting. • Shaft: available in SS 316, EN-9, EN-36 and SAE 8620. • Gear: available in SS 316 and EN-24 H. nitride.

DIMENSIONAL DRAWING





MATERIAL OF CONSTRUCTION

Part
Pump Body
Front Cover
Back Cover
Gland Cover
Rotor & Stator Shaft
Gear
Bushes
Wear Plate
R.V. Housing
R.V. Piston
R.V. Spring
R.V. AD. Screw
Key
Sealing

Material For FTMS
CF8M [SS-316]
CF8M [SS-316]
CF8M [SS-316]
CF8M [SS-316]
AISI [SS-316]
AISI [SS-316]
Teflon Coated DU
Bronze
AISI [SS-316]
AISI [SS-316]
Mild Steel
Mild Steel
AISI [SS-316]
"GFO" Peck/Mech. Seal

Material For FTM
C.I/WCB Casting
C.I/WCB Casting
C.I/WCB Casting
C.I/WCB Casting
EN-36/SS-316
AISI [SS-316]
Teflon Coated DU
Bronze
AISI [SS-316]
AISI [SS-316]
Mild Steel
Mild Steel
AISI [SS-316]
"GFO" Peck

MODEL & DIMENSIONAL DRAWING DETAILS

PUMP MODEL	CAPACITY AT 1440 RPM			OVERALL DIMENSIONS			MOUNTING DIMENSIONS					SHAFT DIMENSIONS							FLANGE DIMENSIONS				
	LPM	US GPM	M³/hr	А	В	C2 C3	A1	В1	B2	C4	D4	ØD	С	C1	Вз	В4	A2	C5	R	М	N	G	WT. KG.
FTMS-050-S	13.0	3.30	0.75	150	220	130	80 1	400	75	3477	08	12	80	70	26	38	04	13	4	16	60	89	8.5
FTMS-050-M	16.6	4.40	1.00			-		100	75	1/2"													
FTMS-100-S	30.0	7.92	1.80	160	255	135	00	440	-00	1"	10	15	90	75	29	38	05	18	4	16	79	108	9.1
FTMS-100-M	37.5	9.90	2.25			-	90	110	90														
FTMS-150-S	60.0	15.8	3.60	180	300	155	105 13	400	400	1½"	10	21	100	80	34	45	06	24	4	16	98	127	12
FTMS-150-M	75.0	19.8	4.50			-		130	103														
FTMS-200-S	100.0	26.4	6.00	200	335	165		450	440	2"	40		440	90	40	55	06	27	4	19	121	152	22
FTMS-200-M	125.0	33.0	7.50			-	110	150	118		12	24	112										
FTMS-250-S	150.0	40.0	9.00	220	370	200	100 10	400	140	21/2"	15	28	132	105	40	65	08	31	4	19	140	178	28
FTMS-250-M	200.0	52.9	12.00			55	130	130 160															
FTMS-300-S	250.0	66.0	15.00	235	455	240	100 (000	400	011	40	32	160	130	55	75	10	37	4	19	152	190	40
FTMS-300-M	333.0	88.0	20.00			55	160	160 220	160	3"	19												
FTMS-400-S	415.0	111.0	25.00	275	530	270	100	070	170	4"	19	36	180	145	65	85	10	41	8	19	190	229	69
FTMS-400-M	500.0	132.9	30.00			65	180	270															
FTMS-500-S	600.0	158.0	36.00	300	600	305	000	000	000		10	45	200	160	65	100	14	52	8	22	216	254	110
FTMS-500-M	750.0	197.5	45.00			66	200	280	200	5"	19												
FTMS-600-S	1000.0	263.0	60.00	340	663	345	000	050	010	CII.	00		225	180	70	120	14	57	8	22	241	279	170
FTMS-600-M	1335.0	351.0	80.00			76	220	350	216	6"	22	50											170

FEATURES

- Herringbone rotor design eliminate side thrust.
- · Modified tooth profile enhance tooth life.
- Optional steam jacket pump available.
- In-built relief valve construction
- · Gear is double helical design which prevent axial load.
- Corrosion prevent pump

APPLICATION

- High pressure coolant transfer application for machine tools.
- · Handling thinner liquid at moderate measuring.
- Light fuel pressurizing application for loader and burners.
- Heavy viscous liquid transfer application like Molasses, Magma, Tar, Bitumen, Soap stock, Paints, Varnish, Suspired, Sugar juice, Vegetable oil, Printing ink, Paper pulp, Spent wash.

* All dimensions are in millimeters. Unless otherwise stated, Specifications are subject to change without prior notice as improvements are made from time to time.

Mfgd. by:



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