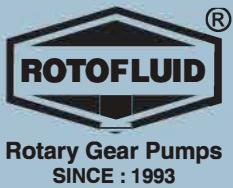


All Stainless Steel [www.rotofluidpumps.com](http://www.rotofluidpumps.com)  
**ROTARY GEAR PUMPS**

**Series : FTSS**

**Perfect Solution**  
for Transfer of Corrosive, Hygienic  
& Viscous Liquid



An ISO 9001:2015 Certified Company

**Fluid Tech Systems**

Ahmedabad - 382 430. (Guj.) INDIA



*“Let Our  
Quality Speak  
For Itself”*

# ADVANCED TECHNOLOGY FOR PUMPING VISCOUS LIQUID



**ROTOFLUID®** brand Stainless Steel Rotary Gear Pump Model-FTSS are compact, efficient, self-priming, bi-directional positive displacement pump for the transfer of corrosive chemicals, food & cosmetic and other viscous chemicals.

## MODEL & PERFORMANCE CHART

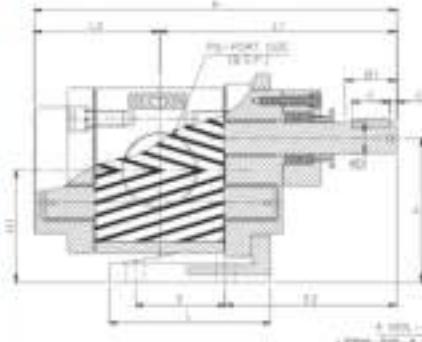
PUMP MODEL	SUCTION & DELIVERY	CAPACITY AT 1440 RPM			RECOMMENDED MOTOR HP		
		LPM	US GPM	M <sup>3</sup> /hr	Up to 3 kg/cm <sup>2</sup>	Up to 7 kg/cm <sup>2</sup>	Up to 10 kg/cm <sup>2</sup>
FTSS - 025	1/4" X 1/4"	8	2.1	0.5	0.25	0.35	0.5
FTSS - 040	1/4" X 3/8"	15	3.9	0.9	0.5	0.75	1.0
FTSS - 050	1/2" X 1/2"	25	6.6	1.5	0.5	0.75	1.0
FTSS - 075	3/4" X 3/4"	30	7.9	1.8	0.75	1.0	1.5
FTSS - 100	1" X 1"	50	13.2	3.0	1.0	1.5	2.0
FTSS - 125	1 1/4" X 1 1/4"	100	26.4	6.0	1.5	2.0	3.0
FTSS - 150	1 1/4" X 1 1/2"	125	33.0	7.5	2.0	3.0	5.0
FTSS - 200	2" X 2"	200	52.8	12.0	3.0	5.0	7.5
FTSS - 250	2 1/4" X 2 1/2"	300	79.25	18.0	5.0	10.0	12.5

## SALIENT FEATURES

- Self-Priming
- Working Pressure upto 10Bar
- Size from 1/4" to 2 1/2" to handle flow from 8 LPM to 300LPM
- C viscosity 25000CST
- Designed to handle fluid at temperature upto 200°C
- Available in flange and foot mounting type
- The gears and shaft in the pump are nitrided to give longer life & trouble free performance.
- High strength three pieces stainless steel construction in the pump makes its easily cleanable and maintainable.
- The PTFE coated bush in the pump for smooth performance in dry bearing condition.
- Bi-Directional
- Sealing options available – Gland Packing / Single Mechanical Seal / Oil Seal

## MATERIAL OF CONSTRUCTION

Parts	Material
Body	CF8M – SS-316
Front Cover	CF8M – SS-316
Back Cover	CF8M – SS-316
Gland Cover	CF8M – SS-316
R.H. & L.H Gear	AISI – SS-316
Rotor/Stator Shaft	AISI – SS-316
Bush Bearing	Teflon Coated 'DU'
Mounting Bracket	C.I. Grade – 20 IS 210
Sealing	Gland Packing / Oil Seal / Mechanical Seal
Packing	Teflon Sheet
Key for Coupling	AISI SS-316



## APPLICATION INDUSTRIES

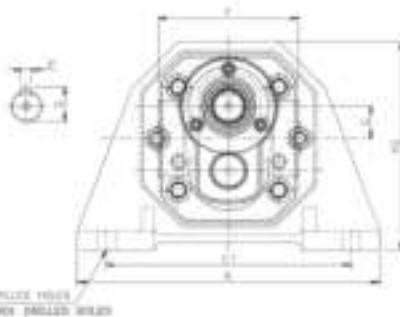
- Food & Beverages Industry
- Pharmaceutical Industry
- Dyeing & Printing Houses
- Chemical Industry
- Cosmetic Industry

## LIQUIDS CAN HANDLE

- All types of Food Products (Clarified Butter/Fruit Pulp/Vegetable Sauce/Vegetable Oil/Animal Oil/Fish Oil)
- Sugar Solution
- Glycerine, Glycol etc
- Cosmetic products (Shampoo/Body Lotion/Baby Oil/Hair Oil/Shower Gel/Soap Solution etc)
- Paints & Resins
- Corrosive Viscous Chemicals

## ACCESSORIES

- Stand and Base Plate
- Product Connecting Flanges
- Motor and Gear Reducers
- Variable Frequency Drives
- Electric Motor Stator
- Couplings



## DIMENSIONAL DRAWING DETAILS

PUMP MODEL	OVER ALL								MOUNTING & SHAFT												APPROX WEIGHT	
	A	F	G	H2	K	L	L1	L2	E	E1	E2	H	H1	D	D1	C	C1	P	Q	B1	PQ	
FTSS - 025	128	60	12.5	94	145	60	93	35	-	120	88	63	50	11.5	8	17	3	4	13	25	1/4"	3.7 kg.
FTSS - 040	133	69	14.75	104	145	92	96	36	50	120	86	71	56	11.5	8	17	3	4	13	25	3/8"	4.5 kg.
FTSS - 050	146	69	14.75	104	145	92	103	43	50	120	86	71	56	11.5	8	17	3	4	13	25	3/8"	4.7 kg.
FTSS - 075	159	78	17	128	175	90	114	45	50	140	91	90	72	14	10.5	25	3.5	5	16	32	3/4"	6.6 kg.
FTSS - 100	175	78	17	128	175	90	122	53	50	140	91	90	72	14	10.5	25	3.5	5	16	32	1"	7 kg.
FTSS - 125	212	96	20.5	144.5	190	100	144	68	50	153	110	100	80	18	12	30	3	6	20.5	38	1 1/4"	11 kg.
FTSS - 150	226	96	20.5	144.5	190	100	151	75	50	153	110	100	80	18	12	30	3	6	20.5	38	1 1/2"	12.5 kg.
FTSS - 200	282	109	25	162	235	125	184	98	70	190	133	112	88	24	14	30	5	8	27	40	2"	20 kg.
FTSS - 250	326	128	30	190	260	150	219	107	85	200	165	132	102	28	16	40	5	8	31	50	2 1/2"	30 kg.

\* 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 :

An ISO 9001:2015 Certified Company



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