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ROTARY TWIN GEAR PUMPS

Series : FTRN/FTRB/FTRX

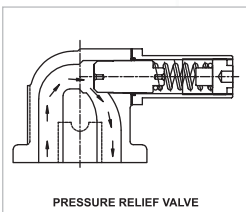
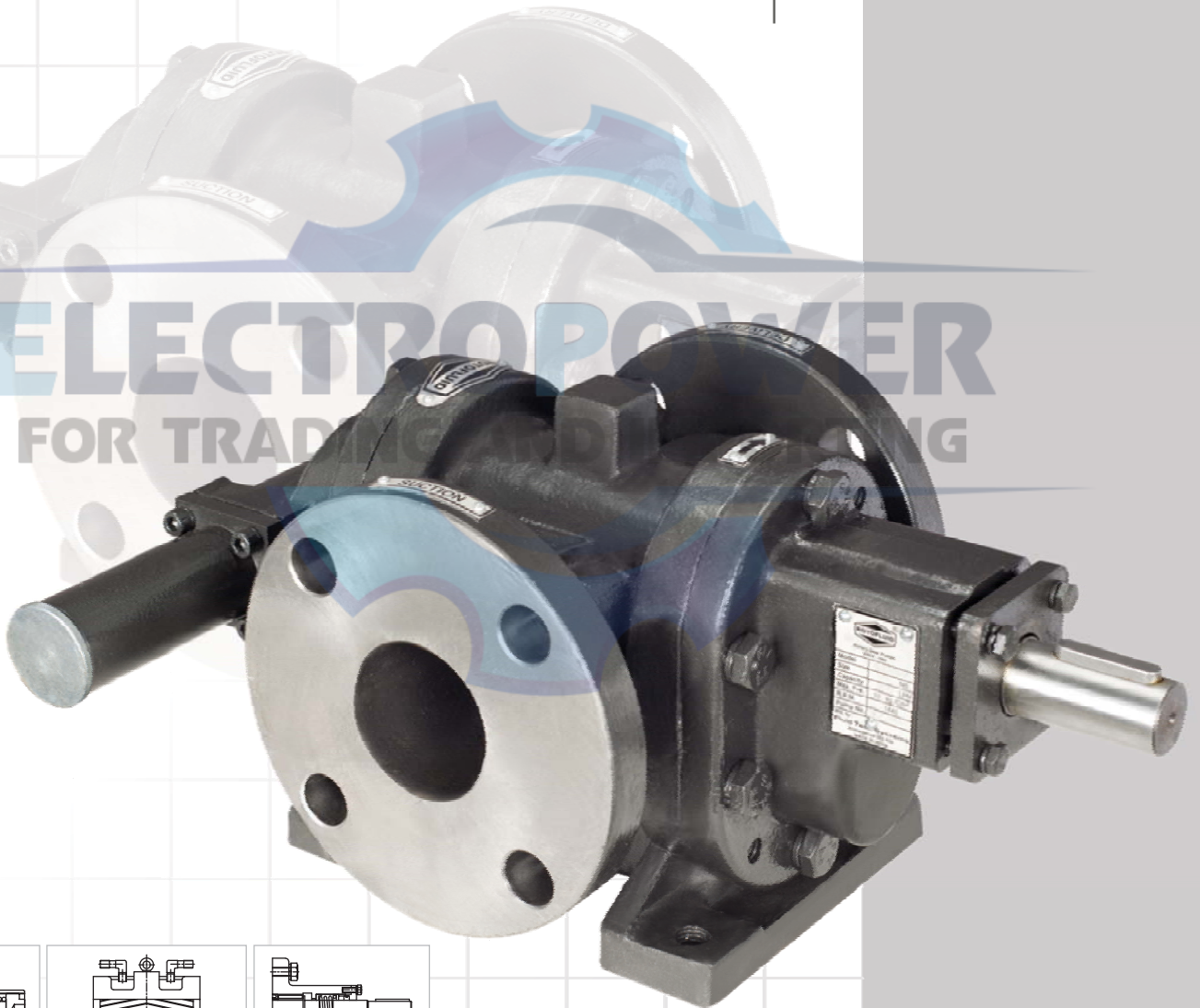


Rotary Gear Pumps
SINCE : 1993

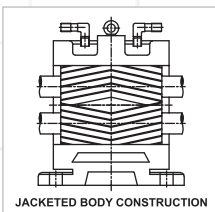
Perfect Solution

for Transfer of Oil, Viscous Liquid
& Petroleum Product

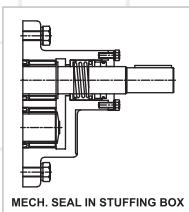
ELECTROPOWER
FOR TRADING



PRESSURE RELIEF VALVE



JACKETED BODY CONSTRUCTION



MECH. SEAL IN STUFFING BOX

AN ISO 9001:2008 CERTIFIED COMPANY



Fluid Tech Systems

Ahmedabad - 382 430. (Guj.) INDIA



*“Let Our
Quality Speak
For Itself”*

ADVANCED TECHNOLOGY FOR PUMPING VISCOUS LIQUID



Rotary Gear Pumps
SINCE : 1993

Fluid Tech Systems offer "ROTOFLUID" brand gear pump Model FTRN / FTRB / FTRX heavy duty foot mounting type positive displacement rotary twin gear pump with flange (class 150# ASME/ANSI B16.5).

The Pump consists of a double helical refined gear along with a hardened grind finished shaft. The double helical gear prevents axial load & side thrust which increases the life and the performance of the pump.

The pump can be operated up to maximum pressure of 10 Kg/cm², flow capacity from 10 LPM to 2080 LPM and are suitable for maximum temperature up to 200°C & maximum viscosity up to 1,00,000 SSU.

MODEL SELECTION:

Model FTRB/FTRN: for clean viscous liquid having sufficient lubricating values such as Vegetable Oil, Animal Oil, Fish Oil, Clean Tube Oil, Gear Oil, Hydraulic Oil, Glycerine, Automotive & Diesel Engine Oil etc. For intermitted duty, the bush bearing type of pump (FTRB) is used and for continuous duty, needle roller bearing type of pump (FTRN) is selected.

Model FTRX: for liquid having low viscosity, low lubricating values, impure/dirty Crude Oil, dirty Lube Oil, HSD Kerosene, Sugar Solutions, LDO Paints, Wood Pulp, Varnish, Turpentine, the pump with independently lubricated bearing is selected.

Model FTRBJ: the pump with the jacketing construction for liquid which tends to solidify at room temperature such as Bitumen/Asphalt/Tar, Furnance Oil, Starch, Molasses, Naptha, Soap Solution, Wax etc. The jacketing construction in the pump facilitates heating of the pump by steam or thermic fluid.

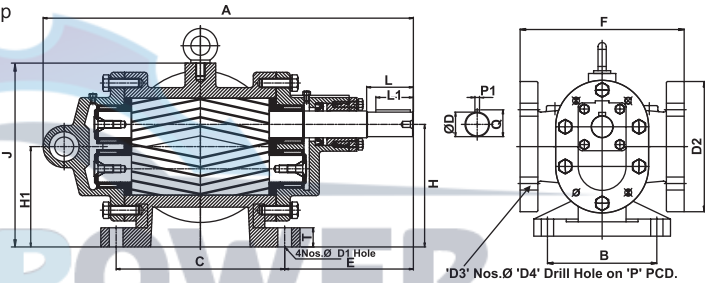
FEATURES

- Heavy duty gear pump design for continuous application.
- Herringbone rotor design eliminate side thrust.
- Modified tooth profile enhance tooth life.
- Floating gear design ensures uniform load distribution.
- Optionally steam jacket available.
- Double helical gear design prevent axial load.
- Low leakage path by design improve volumetric efficiency.
- Shorter bearing span reduces bending effect.

APPLICATION

- Power Plant.
- Steel Plant.
- Cement Plant.
- Bitumen Plant.
- Petroleum Industries.
- Refineries.
- Pumping Station.
- All kind of liquid loading and unloading.

MATERIAL OF CONSTRUCTION		
Part	Material For FTRN/FTRX	Material For FTRB
Pump Body	CI/CS	CI/CS
Front Cover	CI/CS	CI/CS
Back Cover	CI/CS	CI/CS
Gland Cover	CI/CS	CI/CS
Rotor & Stator Shaft	EN-19	EN-19
Gear	EN-24 / 353	EN-24 / 353
Bush/Needle Bearing	INA/IKO [Japan]	Non-Ferrous
Wear Plate	Bronze	Bronze
Lifting Hook	Mild Steel	Mild Steel
R.V. Housing	Mild Steel	Mild Steel
R.V. Piston	EN-8	EN-8
R.V. Spring	Mild Steel	Mild Steel
R.V. AD. Screw	EN-8	EN-8
Sealing	Neoprene Oil Seal	Gland Packing
Key	EN-8	EN-8
Dowel Pin	EN-31	EN-31
Hex - Bolt	EN-8	EN-8



MODEL & POWER CHART

SIZE & MODEL FTRN/ RB/RX		CAPACITY AT 1440 RPM			ELE MOTOR (IN H.P.)	DIMENSIONS																			WEIGHT OF PUMP (IN KG)
		LPM	US GPM	m ³ /hr		OVERALL					MOUNTING				FLANGE				SHAFT						
					A	F	J	B	C	E	H	H1	T	D1	D2	D3	D4	P	D	L	L1	P1	Q		
1/2" 50	S	10	2.6	0.6	0.50	242	150	120	80	100	91	80	69	13	10	89	4	16	60	11.5	30	22	4	13	7
	M	15	3.9	0.9	0.75																				
	L	25	6.6	1.5	1.00																				
1" 100	S	30	7.9	1.8	0.75	277	160	136	90	110	102	90	74	15	10	108	4	16	79	15	30	25	5	17	13
	M	50	13.2	3.0	1.00																				
	L	60	15.8	3.6	2.00																				
1 1/2" 150	S	80	21.1	4.8	2.00	321	180	157	105	130	119	100	80	16	10	127	4	16	98	21	40	29	6	23.5	18
	M	100	26.4	6.0	3.00																				
	L	125	33.0	7.5	5.00																				
2" 200	S	150	39.6	9.0	3.00	365	200	172	110	150	134	112	90	15	12	152	4	19	121	24	50	39	8	27	23
	M	165	43.5	9.9	5.00																				
	L	200	52.8	12.0	7.50																				
2 1/2" 250	S	250	66.0	15.0	5.00	420	220	202	130	160	163	132	106	24	15	178	4	19	140	27	55	40	8	30	38
	M	300	79.2	18.0	7.50																				
	L	330	87.1	19.8	10.00																				
3" 300	S	415	109.6	24.9	10.00	483	240	238	160	220	168	160	131	25	18	190	4	19	152	32	55	49	10	35	57
	M	450	118.8	27.0	12.50																				
	L	500	132.0	30.0	15.00																				
4" 400	S	600	158.5	36.0	15.00	560	280	272	180	270	189	180	145	24	18	229	8	19	190	37	65	54	10	40	87
	M	665	175.6	39.9	20.00																				
	L	830	219.2	49.8	25.00																				
5" 500	S	1000	264.1	60.0	20.00	615	300	296	200	280	216	200	160	25	20	254	8	22	216	47	83	58	14	51	151
	M	1250	330.2	75.0	30.00																				
	L	1500	396.2	90.0	40.00																				
6" 600	S	1650	435.8	99.0	30.00	697	340	340	220	350	216	225	178	25	20	280	8	22	241	52	93	82	16	56	167
	M	1825	482.1	109.5	50.00																				
	L	2080	549.4	124.8	60.00																				

Mfgd. by :

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Distributor :