

ROTARY GEAR PUMPS

Series : FT

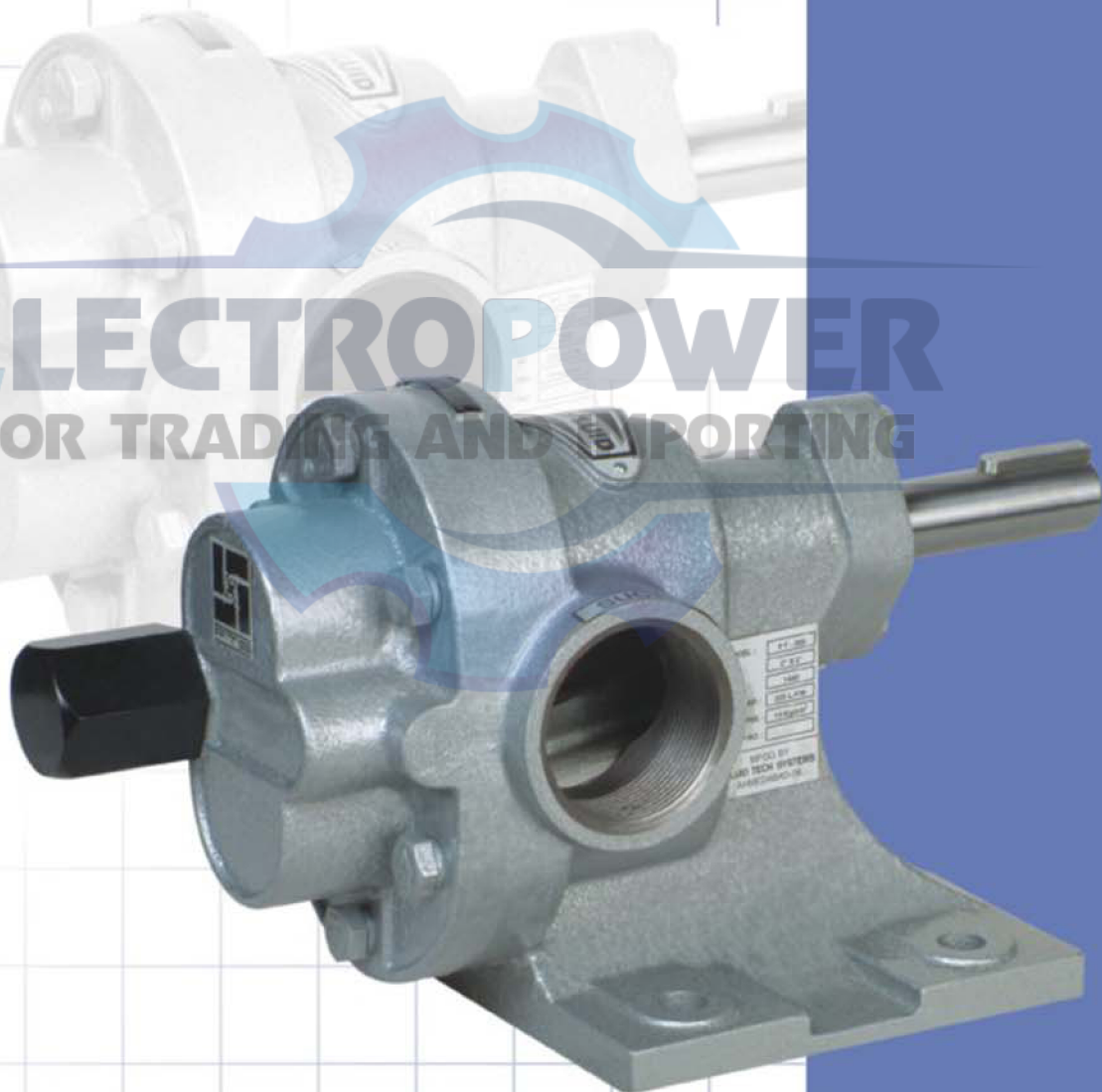


Rotary Gear Pumps  
SINCE : 1993

## Perfect Solution

for Transfer of Oils, Viscous &  
Semi Viscous Liquids

**ELECTROPOWER**  
FOR TRADING AND IMPORTING



**Fluid Tech Systems**

Ahmedabad - 382 430. (Guj.) INDIA

*"Let Our  
Quality Speak  
For Itself"*

# ADVANCED TECHNOLOGY FOR PUMPING VISCOUS LIQUIDS

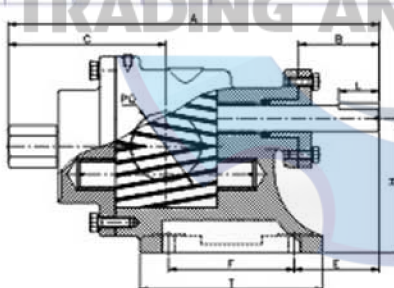
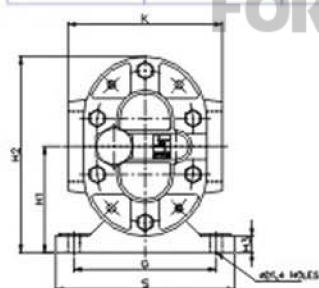


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**Fluid Tech Systems** offers most efficient and economic range of Positive Displacement Rotary Gear Pumps under the brand name **"ROTOFLUID"** having special features like simple & compact design, low noise, high efficiency, easy to maintain, reliable and low cost. **"ROTOFLUID"** Rotary Gear Pumps are ideal for Chemical, Petrochemical, Food, Oil, Steel, Refining, Paints, Dairy, Sugar & Pharmaceutical Industries etc. The Pumps are useful for handling viscous liquids i.e. all kinds of oils, viscous chemicals & food applications etc.

## PERFORMANCE CHART

| PUMP MODEL | SUCTION & DELIVERY | CAPACITY AT 1440 RPM |        |                    | RECOMMENDED MOTOR BHP AT DIFFERENTIAL PRESSURE (KG/CM <sup>2</sup> ) WITH 1500 SSU VISCOSITY |      |      |      |      |      |      |      |      |      |       | WT. OF (APPROX.) BARE PUMP IN KG. |
|------------|--------------------|----------------------|--------|--------------------|----------------------------------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|-------|-----------------------------------|
|            |                    | LPM                  | US GPM | M <sup>3</sup> /hr | Kg/cm <sup>2</sup>                                                                           | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10    |                                   |
| FT - 025   | ¼" X ¼"            | 05                   | 1.3    | 0.3                | KW                                                                                           | 0.20 | 0.21 | 0.22 | 0.23 | 0.24 | 0.25 | 0.26 | 0.30 | 0.32 | 0.35  | 1.40                              |
|            |                    |                      |        |                    | HP                                                                                           |      | 0.25 |      |      | 0.35 |      |      |      | 0.50 |       |                                   |
| FT - 050   | ½" X ½"            | 20                   | 5.3    | 1.2                | KW                                                                                           | 0.30 | 0.35 | 0.40 | 0.45 | 0.50 | 0.55 | 0.60 | 0.65 | 0.70 | 0.75  | 2.2                               |
|            |                    |                      |        |                    | HP                                                                                           |      | 0.5  |      |      | 0.75 |      |      |      | 1.0  |       |                                   |
| FT - 075   | ¾" X ¾"            | 30                   | 7.9    | 1.8                | KW                                                                                           | 0.3  | 0.45 | 0.54 | 0.62 | 0.69 | 0.77 | 0.85 | 0.92 | 1.01 | 1.09  | 4.2                               |
|            |                    |                      |        |                    | HP                                                                                           |      | 0.75 |      |      | 1.0  |      |      |      | 1.5  |       |                                   |
| FT - 100   | 1" X 1"            | 50                   | 13.2   | 3.0                | KW                                                                                           | 0.4  | 0.50 | 0.60 | 0.75 | 0.89 | 1.04 | 1.17 | 1.30 | 1.46 | 1.59  | 5.0                               |
|            |                    |                      |        |                    | HP                                                                                           |      | 1.0  |      |      | 1.5  |      |      |      | 2.0  |       |                                   |
| FT - 125   | 1¼" X 1¼"          | 75                   | 19.8   | 4.5                | KW                                                                                           | 0.7  | 1.0  | 1.2  | 1.4  | 1.5  | 1.9  | 1.95 | 2.15 | 2.35 | 2.55  | 8.0                               |
|            |                    |                      |        |                    | HP                                                                                           |      | 1.5  |      |      | 2.0  |      |      |      | 3.0  |       |                                   |
| FT - 150   | 1½" X 1½"          | 110                  | 29.0   | 6.6                | KW                                                                                           | 1.0  | 1.45 | 1.95 | 2.10 | 2.40 | 2.65 | 2.95 | 3.25 | 3.60 | 3.75  | 9.5                               |
|            |                    |                      |        |                    | HP                                                                                           |      | 2.0  |      |      | 3.0  |      |      |      | 5.0  |       |                                   |
| FT - 200   | 2" X 2"            | 225                  | 59.4   | 13.5               | KW                                                                                           | 2.0  | 2.5  | 3.2  | 3.75 | 4.3  | 4.55 | 5.6  | 6.2  | 6.9  | 7.11  | 17.2                              |
|            |                    |                      |        |                    | HP                                                                                           |      | 3.0  |      |      | 5.0  |      |      |      | 7.5  |       |                                   |
| FT - 250   | 2½" X 2½"          | 350                  | 92.5   | 21.0               | KW                                                                                           | 4.15 | 5.2  | 6.1  | 7.3  | 8.2  | 9.1  | 10.3 | 11.2 | 12.1 | 12.25 | 28.5                              |
|            |                    |                      |        |                    | HP                                                                                           |      | 5.0  |      |      | 10.0 |      |      |      | 12.5 |       |                                   |
| FT - 300   | 3" X 3"            | 500                  | 132.0  | 30.0               | KW                                                                                           | 4.5  | 6.6  | 8.4  | 9.9  | 11.1 | 12.1 | 13.0 | 13.9 | 14.9 | 15.9  | 50.0                              |
|            |                    |                      |        |                    | HP                                                                                           |      | 10   |      |      | 15   |      |      |      | 20   |       |                                   |



## MATERIAL OF CONSTRUCTION

### STANDARD PARTS

Body : IS.210 FG 220 C.I. Grade  
Back Cover : IS.210 FG 220 C.I. Grade  
Gears : EN - 8 / EN - 24 H. Nitrided  
Shaft : EN - 19 H.G.  
Bushes : Non Ferrous  
Seal : Neoprene Oil seal / "Z" Pack Teflon  
Pressure relief valve will be provided in all models.

## DIMENSIONAL DRAWING DETAILS

| MODEL    | A   | B   | C   | E    | F   | G   | S   | T   | H   | H1    | H2  | H3 | L    | M  | N    | DØ   | D1Ø | K   | PQ         |
|----------|-----|-----|-----|------|-----|-----|-----|-----|-----|-------|-----|----|------|----|------|------|-----|-----|------------|
| FT - 025 | 141 | 32  | 63  | 34   | 35  | 60  | 78  | 60  | 54  | 44.5  | 79  | 6  | 18   | 3  | 11   | 9.52 | 7   | 65  | ¼" B.S.P.  |
| FT - 050 | 172 | 46  | 78  | 51   | 40  | 70  | 90  | 70  | 63  | 50    | 90  | 6  | 22   | 4  | 13.5 | 12   | 8   | 70  | ½" B.S.P.  |
| FT - 075 | 215 | 54  | 92  | 63.5 | 45  | 85  | 110 | 80  | 80  | 66    | 115 | 8  | 25   | 5  | 16.0 | 14   | 10  | 90  | ¾" B.S.P.  |
| FT - 100 | 236 | 64  | 105 | 64.5 | 50  | 93  | 125 | 95  | 90  | 73    | 128 | 8  | 27.5 | 5  | 19.5 | 17   | 10  | 86  | 1" B.S.P.  |
| FT - 125 | 266 | 70  | 113 | 65   | 60  | 105 | 140 | 110 | 100 | 79    | 140 | 10 | 32   | 6  | 22.5 | 20   | 12  | 100 | 1¼" B.S.P. |
| FT - 150 | 290 | 75  | 120 | 80   | 70  | 115 | 150 | 130 | 110 | 88    | 155 | 12 | 35   | 6  | 24.5 | 22   | 12  | 108 | 1½" B.S.P. |
| FT - 200 | 360 | 98  | 140 | 92   | 100 | 140 | 180 | 160 | 132 | 105   | 192 | 15 | 40   | 8  | 28   | 25   | 15  | 142 | 2" B.S.P.  |
| FT - 250 | 420 | 110 | 175 | 110  | 120 | 155 | 200 | 185 | 145 | 114   | 215 | 18 | 45   | 8  | 31   | 28   | 15  | 160 | 2½" B.S.P. |
| FT - 300 | 457 | 100 | 195 | 105  | 155 | 175 | 220 | 225 | 165 | 130.5 | 241 | 20 | 50   | 10 | 35   | 32   | 15  | 190 | 3" B.S.P.  |

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

### CONVERSION FORMULA :

1 Imperial gallon = 4.5 Litres  
1 Kg./Cm<sup>2</sup> = 14.2 p.s.i

1 U.S. Gallon = 3.785 Litres  
1 Metre = 3.281 Feet

1 p.s.i = 2.31 Feet  
1 H.P. = 0.75 KW

Mfgd. by :



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Distributors :