

ROTARY GEAR PUMPS

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& semiviscous liquid application*



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Fluid Tech Systems

Ahmedabad - 380 026. INDIA

SERIES :



FT



FTRN/FTRB



FT55



FIG



FTMS/FTM



FTX



FTMP



"ROTOFLUID" ROTARY GEAR PUMPS SERIES.



Series: FT

This series contains general purpose foot mounted pumps with female threading at inlet & outlet ports. **Material of Construction • Pump Body** : Graded CI Casting. **Gears** : Alloy Steel - single Helical. **Shaft** : Alloy steel - Hardened & ground. **Bush** : Self Lubricated Sintered Bronze Bushes. **Sealing** : Oil Seal. **Size** : 1/4" to 3" BSP (8 different sizes) **Range** : 5 to 500 LPM. **Liquid** : All General Purpose Viscous fluid like Lub oil, Paints, adible oil etc. The pump is made to provide sturdy design and construction to ensure long trouble free life with best performance. Built-in pressure Maximum working pressure is 10 kg/cm².

Series: FTRN/FTRB

This series contains general purpose foot mounted pumps with flange mounting at inlet & outlet ports. **Material of Construction • Pump Body** : Graded CI Casting. **Gears** : Alloy Steel - double Helical - H. Nitrided. **Shaft** : Alloy steel - case Hardened & ground. **Bearings & Bushes** : Needle Roller bearing (FTRN) Bronze Bushes (FTRB). **Sealing** : Oil Seal. **Size** : 1/4" to 6" (8 different sizes) **Range** : 0.50 to 200 m³/hr. **Liquid** : Crude oil, dirty oil, kerosene, LDO, HSD, Wood Pulp, Furnace oil etc. Viscosity up 100,00 - cst. temperature - up to 110°C. In built Pressure Relief valve is provided to achieve maximum working pressure - 12 kg/cm².



Series: FTSS

This series contains Special purpose foot mounted pumps with female threading at inlet & outlet ports. **Material of Construction • Pump Body** : SS-316 (Investment Casting). **Gears** : AISI - SS 316 (H. Nitrided) - single Helical Gear. **Shaft** : AISI - SS 316 (H. Nitrided & Ground). **Bush** : Teflon coated imported 'DU' Bushes. **Sealing** : Teflon base 'Z' pack. **Size** : 1/4" to 2 1/2" (6 different sizes) **Range** : 8 to 300 LPM. **Liquid** : All food Grade products like Ghee, Butter, etc., for pharmaceutical industries to handle glycol, Glycerine etc. For chemical industries to handle corrosive viscous chemicals. The Pump is very versatile, compact, easy cleanable and operates at maximum working pressure - 11 kg/cm².

Series: FIG

This series contains Fuel pressuring internal gear type foot mounted pumps with flange threading at inlet & outlet ports. **Material of Construction • Pump Body** : Graded CI Casting. **Shaft Rotor** : Alloy Steel - H. Nitrided & Ground. **Idler Gear** : Alloy Steel - H. Nitrided. **Sealing** : Mechanical Sealing. **Size** : 1/2" to 1 1/4" BSP. **Range** : 60 to 2500 LPH. **Liquid** : Fuel of boilers burners. In built pressure relief valve is provided & pump Operates up to maximum temperature 200°C (Fuel) and maximum working pressure 35 kg/cm².



Series: FTMS/FTM

This series contains foot mounted Special purpose pumps having flange mounting at inlet & outlet ports. **Material of Construction • Pump Body** : SS-316 (FTMS) / Graded CI casting (FTM). **Gears** : SS-316 Double Helical - H. Nitrided (FTMS) / SS-316 Single Helical - H. Nitrided (FTM). **Shaft** : SS - 316 - H. Nitrided & Ground. **Bush** : Teflon coated imported 'DU' Bushes (FTMS) / Wear Plastic cum bush bronze (FTM). **Sealing** : Teflon base 'Z' pack. **Size** : 1/2" to 6" BSP. **Range** : 12 to 2000 LPM. **Liquid** : Liquids used in boilers & burners, Crude oil, Tar etc. FTMS Series contains in built pressure Relief valve. The pumps are used to handle comosive, Thinner or thicker liquids having lesser lubricating value. The Maximum working pressure is 16 kg/cm².

Series: FTX

This series contains foot mounted with 'L' bracket & Flange mounted general purpose pumps having female threading at inlet & outlet ports. **Material of Construction • Pump Body** : Graded CI Casting. **Gears** : Alloy Steel - single Helical. **Shaft** : Alloy Steel - Hardened & Ground. **Bush** : Self Lubricated Sintered Bronze Bushes. **Sealing** : Oil Seal. **Size** : 1/4" to 2 1/2" BSP (8 different sizes) **Range** : 2.5 to 350 LPM. **Liquid** : All General Purpose Viscous fluid like Lub oil, Paints, transformer oil, LDO etc. The Maximum working pressure is 12 kg/cm².



Series: FTMP

This series contains flange mounted and shaft mounted pumps having female threading at inlet & outlet ports. **Material of Construction • Pump Body** : Graded CI Casting. **Rotor** : Sintered CI Casting. **Shaft** : Alloy Steel. **Sealing** : Oil Seal. **Size** : 1/4" to 1/2" BSP (8 different size) **Range** : 0.5 to 40 LPM at 1500 RPM (40°C) **Liquid** : Lubricating oil. The Pumps are designed to transfer the lubricating oil with maximum working pressure is 15 kg/cm².

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