



Pumps

FUEL INJECTION GEAR PUMP



CARE-WELL ENGINEERS offers "CARE-WELL PUMPS" brand internal gear pump Model "FIG" (Fuel injection Internal Gear Pump, LDO Gear Pump, Burner Firing Gear Pump, Boiler Firing Gear Pump, FIG Pump, HSD Gear Pump, Diesel Filling Gear Pump) which is high precision and fuel pressuring type positive displacement internal gear pump which prepared by graded cast iron. Nitrated Gear & shafted rotor gives better performance with closed tolerance to give long life. Model "FIG" is flange mounted. These pumps are self-priming type produces maximum; vacuum determined by the cavity between the gear teeth. These pumps modified profile teeth cutting to give accurate capacity within the pressure range. These pumps are capable to run liquid up to 500 CST viscosity and up to temperature 200°C. The sealing is done with mechanical seal to ensure zero leakage.

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- FIG Gear Pump Material of Construction**

Part	Material For FIG
Body	IIS.210 FG 220 C.I. Grade
Eccentric	IIS.210 FG 220 C.I. Grade
Idler Gear	SAE-8620
Rotor shaft	SAE-8620
Sealing	Mechanical seal
Piston	EN-8
Adjusting Screw	EN-8
Spring	Spring Steel

- FIG Gear Pump Technical Specification**

Model	Capacity in LPH at 1440 RPM	Suction & Delivery Size	Motor HP	
			3 kg/cm²	30 kg/cm²
FIG-S6	60	3/8" x 3/8"	0.25	1.00
FIG-S9	90	3/8" x 3/8"	0.25	1.00
FIG-S12	120	3/8" x 3/8"	0.25	1.00
FIG-A15	150	1/2" x 1/2"	0.25	1.50
FIG-A30	300	1/2" x 1/2"	0.25	1.50
FIG-A45	450	1/2" x 1/2"	0.25	2.00
FIG-A60	600	1/2" x 1/2"	0.25	2.00
FIG-B100	1000	3/4" x 3/4"	0.75	3.00
FIG-B150	1500	3/4" x 3/4"	0.75	3.00
FIG-B200	2000	3/4" x 3/4"	0.75	5.00
FIG-B250	2500	3/4" x 3/4"	0.75	5.00
FIG-C300	3000	1" x 1"	1.50	7.50
FIG-C450	4500	1" x 1"	1.50	10.0
FIG-C600	6000	1" x 1"	1.50	15.0

Applications:

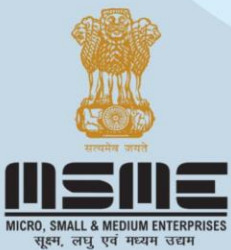
- Oil burner, hydraulic drive and pressure-pump.
- Pressure and transfer pump.
- For gas oil, medium, heavy and very heavy oil.
- Pump for lubrication oil and hydraulic oil.
- Pump suitable for LDO, FO, HSD.
- Pump for force feed lubrication

Features:

- Maximum Temperature Up to 200° C
- Continues duty pump.
- Internal lubrication systems.
- Higher suction LICW.
- Pressure regulator, progressively adjustable.

Range:

- Capacity: UP TO 6 M3/HR
- Size: 3/8" x 3/8" TO 1" x 1"
- Speed: 1400 RPM
- Pressure: UP TO 30 KG/CM2
- M.O.C: IIS.210 FG 220 C.I. Grade



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10, Patel Estate, Opp. Rudraksha way bridge,
Trikampura Road, GIDC, Vatva, Ahmedabad.

Website : www.carewellpumps.com

E-mail : carewellpumps@gmail.com

Phone. : (079) 25460988

Mobile : +91 98255 03966, 94092 11227

