



Fuel Injection Internal Gear Pump



Our Riddhi Siddhi brand model RSIG - series fuel injection internal gear pump are self priming foot mounting type positive displacement internal gear pump. It has simple two pieces Cast Iron construction which is stator rotor and single state gear with high pressure carbon steel gear shrink fitted on alloy steel hardened and grind finished shaft as gear firmly supports four self lubricated sintered bronze bush bearing which ensure smooth running. These pumps can be run in either direction with change in inlet-outlet port position. Relief valve operations can be reversed by simply changing the L.H. and R.H. parts on opposite side.

Material of Construction :

PUMP PARTS	MATERIAL OF STANDARD	Qty. P.P.
Body	IS 210 FG 220 C.I. Grade	1.Nos
Eccentric	IS 210 FG 220 C.I. Grade	1.Nos
Idler Gear	SAE - 8620	1.Nos
Rotor Shaft	SAE - 8620	1.Nos
Sealing	Mechanical seal	1.Nos
Piston	EN - 8	1.Nos
Adjusting screw	EN - 8	1.Nos
Spring	Spring Steel	1.Nos

Riddhi Siddhi Pumps & Engineers

Features :

- ⇒ Bi-direction positive displacement pump
- ⇒ Internal Lubrication
- ⇒ Vacuum capacity 600/650 mm hg
- ⇒ Self-priming pump
- ⇒ High suction lift
- ⇒ Continues Duty Pump
- ⇒ Zero leakage mechanical seal

Applications :

- ◇ Fuel injection burner,
- ◇ Booster application in
- ◇ Force feed lubrication
- ◇ Hydraulic oil
- ◇ Pump for PHP units
- ◇ For Gas, Medium, Heavy and very heavy oils
- ◇ Filter pumping

Range Description:

- BSP inlet/outlet size: - 1/2" , 3/4" , 1"
- Pump capacity in BSP: - Up to 1440 RPM
- Pressure: - Up to 35 Kg/CM²
- Max Temperature : - Up to 200 °c

Technical Specifications :

Pump Model	Suction & Delivery	Capacity in LPH At 1440 RPM	Motor H.P.	
			3 KG/cm ²	30 KG/m ²
RSIG-A 15	1/2" X 1/2"	150	0.25	1.5
RSIG-A 30	1/2" X 1/2"	300	0.25	1.5
RSIG-A 45	1/2" X 1/2"	450	0.25	2
RSIG-A 60	1/2" X 1/2"	600	0.25	2
RSIG-B 100	3/4" X 3/4"	1000	0.75	3
RSIG-B 150	3/4" X 3/4"	1500	0.75	3
RSIG-B 200	3/4" X 3/4"	2000	0.75	5
RSIG-B 250	3/4" X 3/4"	2500	0.75	5
RSIG-B 300	1" X 1"	3000	1.5	7.5
RSIG-B 450	1" X 1"	4500	1.5	10
RSIG-B 600	1" X 1"	6000	1.5	10

- All dimensions are in millimeters. Unless otherwise stated Specifications are subject to change without prior notice as improvement are made from time to time.

Note: - We also provide complete set of pump fitted with motor and mounting frame. Pump accessories are provided on demand.

Manufacturer Details : Riddhi Siddhi Pumps & Engineers

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