



# Rotary Gear Pump (S.S.)

Our Riddhi Siddhi brand model RSSS - series rotary gear pump are self priming foot mounting type positive displacement rotary gear pump. This model has three piece construction with investment steel casting. Three piece construction of pump make it easily cleanable and maintainable, hence preferred for food industries. (SS 316) Gear and shaft used are nitrated to give long life and trouble free performance. Used shaft is supported self lubricating type bronze bush and sealing is done with Teflon based “GFO” pack sealant for zero leakage. Right angle mounting brackets facilitate foot mounting on base plate with Electric motor.



## Material of Construction :

PUMP PARTS	MATERIAL FOR RSSS	Qty. P.P.
Pump Body	CF8M (SS-316)	1.Nos
Front Cover	CF8M (SS-316)	1.Nos
Back Cover	CF8M (SS-316)	1.Nos
Gland Cover	CF8M (SS-316)	1.Nos
Packing	Teflon Sheet	2.Nos
Sealing	“GFO” Teflon Pack/ Mechanical Seal	1.Nos
Bush Bearing	Bronze Bush	4.Nos
Mounting Bracket	C.I. Gr.-20 IS 210	1.Nos
Dom Nut	AISI (SS-316)	4.Nos
Rotor/Stator shaft	AISI (SS-316)	2.Nos
R.H./L.H. Gear	AISI (SS-316)	2.Nos
Key of Coupling	SS-304	1.Nos

## Riddhi Siddhi Pumps & Engineers

## Features :

- ⇒ **Bi-direction positive displacement pump**
- ⇒ **PTFE coated DU bush**
- ⇒ **Single helical gear design**
- ⇒ **Double helical gear design (Optional)**
- ⇒ **Self-priming pump**
- ⇒ **Corrosion free pump**

## Applications :

- ◇ **Food Industries**
- ◇ **Pharmaceutical**
- ◇ **Cosmetic Industries**
- ◇ **Dye & Resins**
- ◇ **Printing house**
- ◇ **Corrosive & Viscous Chemical**
- ◇ **Chocolate Industries**
- ◇ **Beverages Industries**

## Range Description:

- **BSP inlet/outlet size: - 1/2" to 3"**
- **Pump capacity in BSP: - Up to 1440 RPM**
- **Pressure: - Up to 10 Kg/CM<sup>2</sup>**
- **Max Temperature : - Up to 200 °c**



## Technical Specifications :

Pump Model	Suction & Delivery	Capacity AT 1440 RPM		
		LPM	US GPM	M3 /hr
RSSS-50	1/2" X 1/2"	25.0	6.6	1.5
RSSS-75	3/4" X 3/4"	33.3	8.8	2.0
RSSS-100	1" X 1"	50.0	13.2	3.0
RSSS-150	1 1/2" X 1 1/2"	125.0	33.0	7.5
RSSS-200	2" X 2"	200.0	52.8	12.0
RSSS-250	2 1/2" X 2 1/2"	300.0	80.0	18.0
RSSS-300	3" X 3"	450.0	92.8	23.0

- 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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