



RECKON Techno

Dosing Pumps And Systems

We Deliver Your Desire at a Precise Rate

Contact : +91 957-9810-668

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Website: www.reckontechno.com

RECKON Techno as a professional manufacturer of dosing pumps mainly produces plunger pump, Hydraulic diaphragm pump, hydraulic double diaphragm pump, Electronic dosing pump, Skid mounted systems, Agitators, Mixers & Screw pumps mainly used for water treatment dosing, chlorine, acid and alkali, process dosing, etc. Because of its beneficiary performance it has been widely recognized by customers. In order to meet the customer satisfaction for various types of pumps, with assured quality & provide customers with a variety of services.

There are thousands of applications requiring scale or corrosion inhibitors, water treatment, Ptf controls, Polymers, softeners, acids/bases, process additives and other types of chemicals. The main industries where Dosing pumps are used :

- Industrial water treatment (cooling towers, boilers)
- Power generation.
- Fertilizers & paint industries.
- Food, Pharma and Beverage Production
- Chemical and petrochemical processing industry
- Agriculture & Sugar industries.
- Oil and gas production
- Drinking water and wastewater treatment

We strive to innovate new ideas and upgrade the existing range of our product. We offer our customers precise, reliable and sophisticated technology. We provide best quality & long service life for all components with particularly low maintenance and operating costs.

We assured our customer for best quality product with, precision, cost efficient processes & life long services.

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➤ **Plunger Pump -**

RTP Series -API 675 Std.



TECHNICAL SPECIFICATIONS

Sr.No	Pump	Capacity	Pressure	Motor
	Model	(LPH)	Kg/Cm2	Power
1	RTP-10	0 -150	UP TO 90	0.5 HP
2	RTP-20	0 - 800	UP TO 120	1 HP
3	RTP-35	0 - 3000	UP TO 240	5 HP
4	RTP-60	0 - 7500	UP TO 300	10 HP

FEATURES :

- Heavy duty construction designed for several industrial applications.
- Precise Metering Device and easy for maintenance.
- Internal worm gear mechanism with oil bath lubrication for longer life.
- Flow rate is linear to stroke length variations.
- Compatible with most of fluids.
- For universal use multiple arrangements of pumps available.
- Performance conforms to API 675 STD.
- Ability to transfer highly viscous liquid at room temp.
- Jacketed liquid head is possible for molten liquids.
- Automatic flow variation through actuator or VFD by receiving 4-20 mAmp signals from PLC Panel.
- Stuffing box with PTFE Gland packing.
- Plunger is hard chrome plated.

WETTED PARTS MOC OFFERED	APPLICATION
SS316, SS304, SS304L, SS316L Alloy20 Carbon steel Gland Packing-PTFE Hastalloy Or suitable	Sugar, Food & Beverages Pulp & Paper Pharma Textile & Paints Industries Boiler Chemicals Power Generation Chemical industries Oil ,Gas & petrochemical



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➤ **Hydraulic Diaphragm Pump –**

RTHD Series -API 675 STD.



TECHNICAL SPECIFICATION				
SR. NO.	Pump Model	Capacity (LPH)	Pressure Kg/Cm2	Motor Power
1	RTHD-05	0-20	UP TO 50	0.5 HP
2	RTHD-10	0-150	UP TO 15	1 HP
3	RTHD-20	0-200	UP TO 20	1 HP
4	RTHD-25	0-700	UP TO 8	1 HP
5	RTHD-35	0-1250	UP TO 20	2 HP
6	RTHD-50	0-3000	UP TO 7	5 HP
7	RTHD-60	0-5000	UP TO 15	7.5 HP

➤ **FEATURES:**

- Heavy duty construction designed & suitable for any hazardous & toxic liquids.
- Leak proof design and easy for maintenance.
- Internal worm gear mechanism with oil bath lubrication for longer life.
- Hydraulically balanced diaphragm between oil & liquid ensures longer diaphragm life.
- Inbuilt pressure relief valve installed in hydraulic circuit to protect from excess pressure
- High metering accuracy with longer diaphragm life.
- For universal use multiple arrangements of pumps available.
- Performance conforms to API 675 STD.
- Automatic flow variation through actuator or VFD by receiving 4-20 mAmp signal from PLC Panel
- Flow rate is linear to stroke length variations.

WETTED PARTS MOC OFFERED	APPLICATION
SS316, SS304, SS304L, SS316L Alloy20 Carbon steel PP /PVC/PTFE/PVDF Hastalloy Or suitable	Sugar, Food & Beverages Pulp & Paper Pharma Textile & Paints Industries Boiler Chemicals Power Generation Chemical industries Oil ,Gas & petrochemical All acids WTP,ETP Fertilisers



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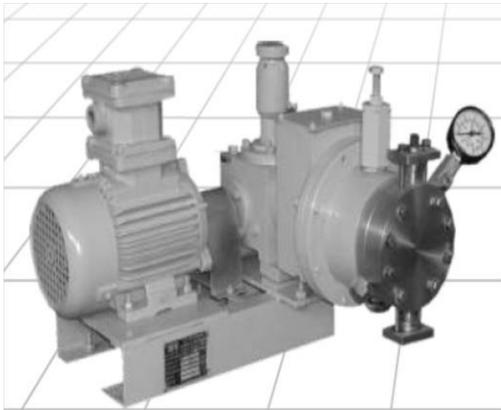
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➤ Hydraulic Double Diaphragm Pump

RTDD Series -API 675 Std.



TECHNICAL SPECIFICATION				
SR. NO.	Pump Model	Capacity (LPH)	Pressure Kg/Cm2	Motor Power
1	RTDD-05	0-20	UP TO 50	0.5 HP
2	RTDD-10	0-150	UP TO 15	1 HP
3	RTDD-20	0-200	UP TO 20	1 HP
4	RTDD-25	0-700	UP TO 8	1 HP
5	RTDD-35	0-1250	UP TO 20	2 HP
6	RTDD-50	0-3000	UP TO 7	5 HP
7	RTDD-60	0-5000	UP TO 15	7.5 HP

➤ FEATURES:

- Heavy duty construction designed & suitable for any hazardous & toxic liquids.
- Leak proof design and easy for maintenance.
- Internal worm gear mechanism with oil bath lubrication for longer life.
- Hydraulically balanced diaphragm between oil & liquid ensures longer diaphragm life.
- Inbuilt pressure relief valve installed in hydraulic circuit to protect from excess pressure
- High metering accuracy with longer diaphragm life.
- For universal use multiple arrangements of pumps available.
- Performance conforms to API 675 STD.
- Automatic flow variation through actuator or VFD by receiving 4-20 mAmp signal from PLC Panel
- Flow rate is linear to stroke length variations.
- Diaphragm rupture indication arrangement is additional facility available with this pump. It included two diaphragms for extra safety to avoid mixing of chemicals or oil after diaphragm gets ruptured.

WETTED PARTS MOC OFFERED	APPLICATION
SS316, SS304, SS304L, SS316L Alloy20 Carbon steel PP /PVC/PTFE/PVDF Hastalloy Or suitable	Sugar, Food & Beverages Pulp & Paper Pharma Textile & Paints Industries Boiler Chemicals Power Generation Chemicals & Fertilisers Oil ,Gas & petrochemical All acids WTP,ETP



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➤ **Electronic (solenoid Operated) Diaphragm Pump - RTS Series -MFG. Std.**



TECHNICAL SPECIFICATION			
Sr. No	Pump	Capacity	Pressure
	Model	(LPH)	Kg/Cm2
1	RTS0801	8	1
2	RTS0702	7	2
3	RTS0703	7	3
4	RTS0604	6	4
5	RTS0405	4	5
6	RTS0207	2	7

➤ **FEATURES:**

- Robust structure with light weight & compact size.
- Minimum Moving parts hence Maintenance free & easy to operate.
- Positive displacement diaphragm metering pump operating at 230 V, 50 Hz supply.
- Solenoid pushes the diaphragm which in turn pushes the liquid into the system.
- Electronically Controlled & Mechanically actuated diaphragm.
- Solenoid is actuated by a solid state electronic circuit.
- Steady state accuracy +/- 3% (Plus or minus 5%)
- Repeatability +/- 5% (Plus or minus 5%)
- Inbuilt Double ball check valve.
- Adjustable injection frequency.
- Made of Chemical resistant material for longer & reliable operation.

➤ **TECHNICAL SPECIFICATIONS:**

1	Power supply	230 V AC, 50 Hz
2	Power Consumption at max. speed	40 Watt
3	Fuse	500 mA/230 V AC
4	Pump stroke per minute (adjustable)	120 Max
5	Negative Suction	1 Mtr
6	Environment temperature	40°C Max
7	Capacity Max	8 Lph
8	Pressure Max	7 Kg



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WETTED PARTS MOC OFFERED	APPLICATION
SS316, SS304, SS304L, SS316L PP /PVC/PTFE/PVDF Hastalloy Or suitable	D M Plants Laboratories Reverse osmosis Swimming pools Chemical industries STP All acids WETP Fertilisers R & D



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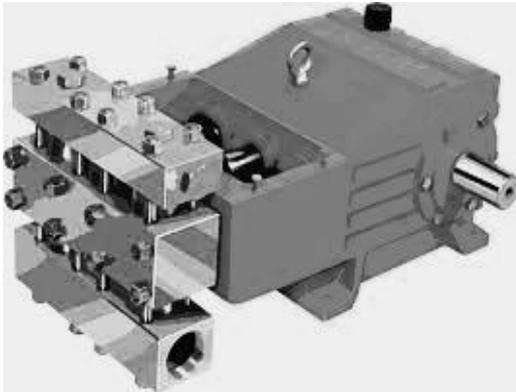
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➤ **Triplex Plunger High pressure Pump**

RTT Series Pump - API674 Std.



Sr. No	Pump Model	Capacity Max.(LPH)	Pressure Max.Kg/Cm2
1	RTT-20	500	UP TO 120
2	RTT-40	2000	UP TO 400
3	RTT-60	5500	UP TO 430
4	RTT-80	9000	UP TO 450
5	RTT-100	15000	UP TO 450

➤ **FEATURES:**

- Robust balance structure design.
- Highly convenient for maintenance.
- Parts are lubricated by splash type lubrication.
- High performances return valves for suction & delivery.
- High quality forged steel for Crank shaft.
- Flow rate is fixed capacity.
- Performance conforms to API 674 Std.
- Stuffing box with PTFE Gland packing.
- Plunger is hard chrome plated.

WETTED PARTS MOC OFFERED	APPLICATION
SS316, SS304, SS304L, SS316L Carbon steel Alloy 20 Or suitable	Hydro testing Car washing Dairy Ind. Boiler Power generation. Chemical Industries



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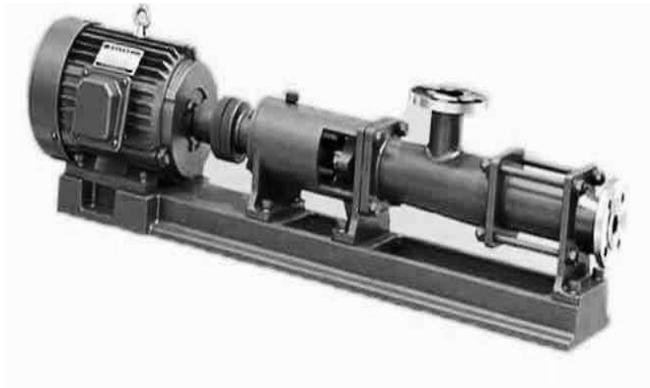
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➤ Progressive Cavity Screw Pump – RTPC Series Pump- API 676 Std.



➤ FEATURES:

- Simplified design & easy for maintenance.
- Maximum flow rate up to 80m³/hr
- Temperature range 50C to 110C
- Maximum permissible solid content up to 40%.
- Pulsations free steady flow with minimum turbulence.
- Maximum delivery pressure upto 8 kg/cm²
- Negative suction upto 5 Mtrs.
- For highly viscous materials handling cream/slurry

TECHNICAL SPECIFICATION			
Sr. No.	Pump Model	Capacity (LPH)	Pressure Max. Kg/Cm2
1	RTPC 10	300	8
2	RTPC 15	1000	8
3	RTPC 20	2000	8
4	RTPC 30	3000	8
5	RTPC 40	5000	8
6	RTPC 50	10000	8
7	RTPC 60	15000	8
8	RTPC 70	20000	8
9	RTPC 80	25000	8

WETTED PARTS MATERIAL

FOR STATOR	FOR STATOR
SS316, SS304, SS304L, SS316L Carbon steel Alloy 20 SS410 Or suitable	EPDM Rubber Nitrile Rubber Viton Rubber Neoprene rubber Or suitable

➤ APPLICATION

Pharmaceutical Pulp & paper Sugar Chemical	ETP STP Foods Fertilisers
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➤ Skid Mounted Systems –



Skid Mounted System

WETTED PARTS MOC OFFERED	APPLICATION
SS316, SS304, SS304L, SS316L Carbon steel Alloy 20 SS410 FRP/MSRL Or suitable	Pharma Paper Sugar Foods & beverages Power generation WTP Chemicals Fertilisers ETP STP Oil & Gas

➤ FEATURES:

- Custom made complete skid mounted chemical dosing systems.
- Saving procurement cost & time in sourcing small individual.
- Experienced engineering team to study & design specific requirements.
- Beneficiary for single point responsibility of supply & result oriented packages.
- Also offer PLC based fully automatic dosing system.
- Systems available Single or multiple in both manually & electronically actuated.

➤ STANDARD DOSING SYSTEMS:

- Sulphuric Acid Dosing Systems.
- Boiler Dosing systems (low pressure / high pressure).
- Hypo Chloride dosing systems.
- Flocculent Dosing systems. (Fully Automatic)
- Corrosion inhibitor Dosing Systems
- Acid Dosing systems.
- Additive Injection Systems.
- Ammonia Dosing systems.
- Chlorine Dosing systems
- Mobile hydro testing unit.



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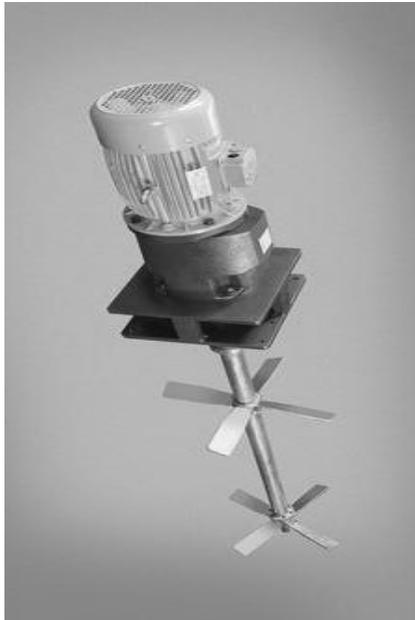
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➤ Agitators –



FEATURES	TYPES OF AGITATORS
Simple design Easy to install Economical Compact & Versatile Precise & Efficient	Propeller Top entry mixers Flocculators Pitch blade turbine Gate type Anchor type

➤ TECHNICAL SPECIFICATIONS:

1	Voltage	220V/ 380V/ 415V
2	Material	SS304 / SS316/Carbon Steel
3	Motor Power	0.37 to 15 KW
4	Color	Steel True Colors

WETTED PARTS MOC OFFERED	APPLICATION
SS316, SS304, SS304L, SS316L Carbon steel Alloy 20 SS410 FRP/MSRL Or suitable	Pharma Paints Paper Sugar Foods & beverages Power generation WTP, ETP STP Chemicals & Fertilisers Oil & Gas Refinery