

Pulsafeeder innovation leads the way with the newest addition to our product line-up: the Isochem® Regenerative Turbine Pump

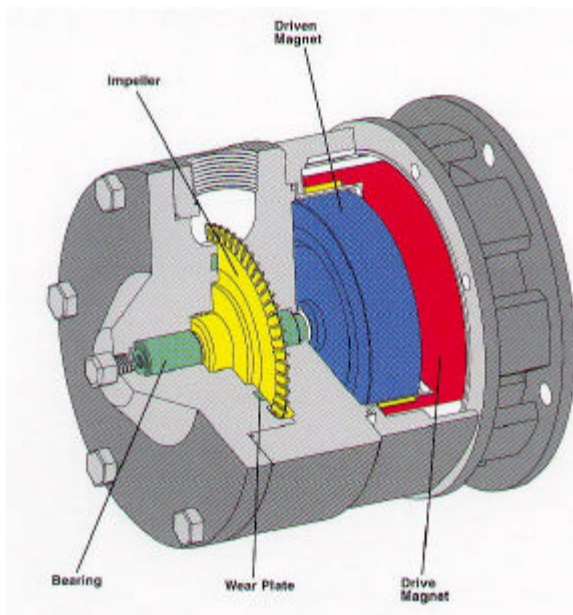
Isochem Regenerative Turbine pumps use sealless technology which eliminates the need for a rotary mechanical seal and enables the pump to handle hazardous fluids safely with zero leakage.

Turbine pumps handle a broad range of applications over wide temperature and pressure variations. Chemical process applications include acids and solvents, refrigerants and fluids having high vapor pressures.



Designed for Superior Reliability, Performance and Safety

Reduces downtime and maintenance costs through extended service intervals. Access for inspection, cleaning, and key parts replacement requires only removal of the cover, with no disturbance to process connections.



Four angular installation options resulting in eight installation configurations make the pump adaptable to any installation requirements.

Variations in head pressure have little or no effect on flow rate.

The pumps are bi-directional, allowing easy flow direction change and provides the flexibility to easily mate to your existing piping.

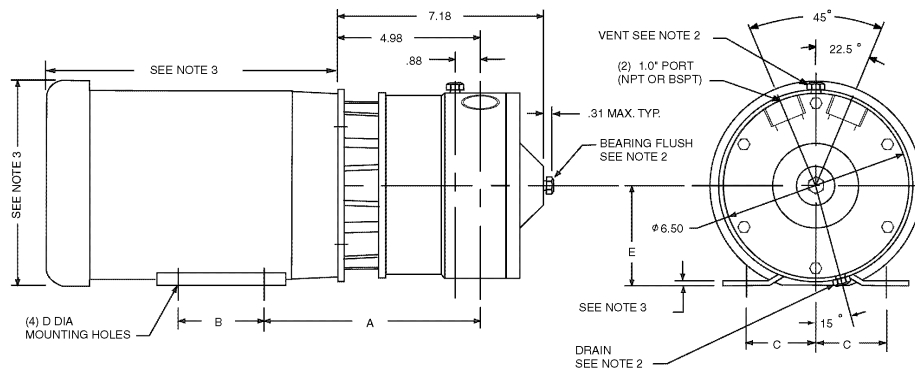
Precision machined high alloy components provide reliability and superior corrosion resistance.

Magnetic drive cooled by internal circulating flow.

Consult with the factory for applications involving a specific gravity or viscosity greater than that of water.

Standard Isochem pumps are close-coupled which provides greater assembled strength, enclosure of moving parts, and compact design. An optional power frame unit is available.

Pump Dimensional Data:



NOTES:

1. SUCTION AND DISCHARGE PORTS DEPENDENT UPON PUMP SHAFT ROTATION.
2. VENT, DRAIN, AND BEARING FLUSH PLUGS ARE 1/8" NPT.
3. MOTOR DIMENSIONS VARY BY MANUFACTURER CONSULT MANUFACTURERS DRAWING FOR SPECIFICS

MOTOR FRAME	A	B	C	D	E
143TC	7.55	4.00	2.75	.34	3.50
145TC		5.00			
182C	7.86	4.50	3.75	.41	4.50
184C		5.50			

Specifications:

Pump Model	RGT 10	RGT 12
Maximum Flow, GPM (LPM) @ 3450 RPM	14.5 (55.0)	23.3 (88.3)
Maximum Flow, GPM (LPM) @ 2875 RPM	11.0 (41.7)	19.0 (72.0)
Maximum Flow, GPM (LPM) @ 1725 RPM	4.5 (17.1)	9.8 (37.1)
Maximum Head, FT (METERS)	427 (130)	693 (211)
Maximum Discharge Pressure, PSIG (Bar)	300 (20.7)	300 (20.7)
Maximum Suction Pressure, PSIG (Bar)	100 (6.9)	100 (6.9)
Suction Size	1" FNPT/FBSPT	1" FNPT/FBSPT
Discharge Size	1" FNPT/FBSPT	1" FNPT/FBSPT
Temperature Range, Neodymium	-100° to +300° F -73° to +149° C	-100° to +300° F -73° to +149° C
Temperature Range, Samarium	-100° to +450° F -73° to +232° C	-100° to +450° F -73° to +232° C
Maximum Viscosity* cp	100	100
Speeds RPM	3450, 2875, 1725	3450, 2875, 1725
Weight, LBS, (KG)	36 (16.40)	40 (18.1)
Maximum Power	5 HP	7-1/2 HP

*Consult factory for viscosity requirements higher than 100 cp



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