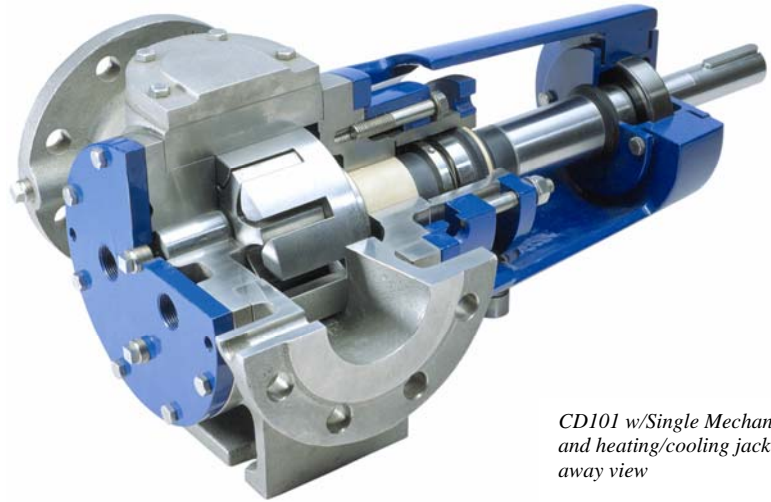




# ROTAN® Chemical Duty Series Pumps Features

Rotan Pumps CD (Chemical Duty) series rugged, 316 Stainless Steel construction assures durability and extended operation life. They possess excellent vacuum capability and can operate bi-directionally. The simple design allows the pump to be adaptable to a wide range of applications, making the CD series ideal for pumping liquids such as- organic acids, fatty acids, butter, alkalis, caustic soda, polymer solutions, and other related specialty fluids.



*CD101 w/Single Mechanical Seal and heating/cooling jackets cut away view*

With its modular design, the Rotan series pumps provide interchangeability of parts within the 11 pump size variations. This allows easy conversion from a standard to a specialized pump. All CD series pumps are equipped with carbon graphite bearings and integral safety relief valve as a standard. Furthermore, the “true” back pullout design, when used in connection with spacer coupling, permits easy disassembly/inspection of the unit without removing the casing from the process line, reducing down time. The three smaller size pumps are capable of pumping up to 5 to 30 GPM and can be directly coupled to 1200 or 1800 RPM motors. The larger 2”, 2.5” and 3” ported pumps are available in capacities up to 40 to 130 GPM and can be directly coupled to 1200 RPM motors. For your higher capacity chemical processing applications, the 4”, 5”, 6” and 8” ported pumps are suited for capacities up to **750 GPM**.

Capacity Range	Up to 750 GPM
Speed	Up to 1800 RPM
Differential Pressure	Up to 250 psi for sizes 26-81 Up to 150 psi for sizes 101-201
Suction Lift	Up to 15” Hg vacuum while priming Up to 24” Hg vacuum while pumping
Viscosity Range	.1 to 175,000 cSt (as standard) 32 to 350,000 SSU (as standard)
Temperature	Up to 500° F
Jacket Pressure	Up to 150 psi (as standard)
Relief Valve Setting	Approx. 20 psi above system Design pressure is recommended

## Key Features and Benefits

1. Flexible sealing options. (See configurations page)
2. Modular back pull out design
3. Opposing inlet and outlet connections with oversized ports
4. Self-priming with large suction capabilities
5. Low NPSH requirements
6. Self-draining top mounted integral safety relief valve.
7. No reduction in speed required on six smaller sizes
8. Complete heating/cooling jacketing available
9. Parts Interchangeability
10. Performance and hydrostatic test are standard

When placing orders for CD series pumps please furnish the following application details.

- Liquid pumped
- Viscosity of liquid
- Discharge pressure
- Temperature of liquid
- Specific gravity
- Capacity of pump
- Suction lift or head

