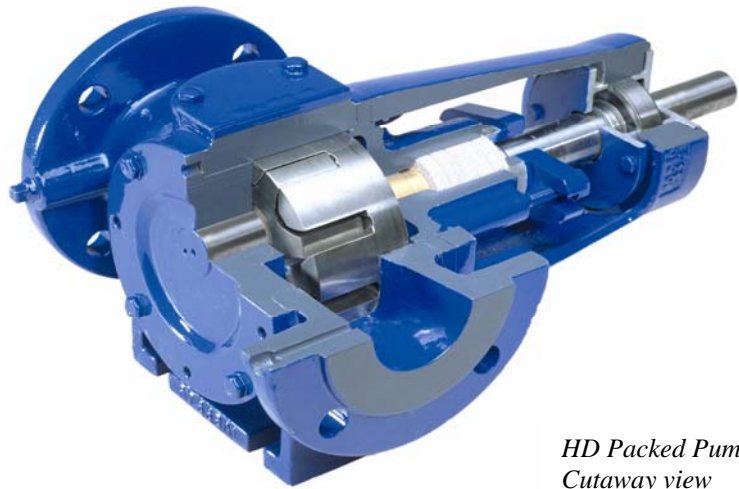


ROTAN® Heavy Duty Series Pump Features

Rotan Pumps HD (Heavy Duty) series rugged, cast iron construction assures durability and extended operation life. They possess excellent vacuum capability and can operate bi-directionally. With two moving parts, the “gear-within-a-gear” principle ensures positive flow and low shear transmission of liquid. The simple design allows the pump to be adaptable to a wide range of applications, making the heavy duty series ideal for pumping -oils, chocolate, soaps, paints, thinners, and other low to medium viscosity fluids.



*HD Packed Pump
Cutaway view*

With its modular configuration, Rotan pumps provide interchangeability of parts within the 11 different pump size variations. This permits easy conversion from a standard to a specialized pump. Furthermore, the “true” back pull-out design, when used in conjunction with spacer couplings, allows effortless 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 30 GPM, and can be directly coupled to a 1200 or 1800 rpm motor. The larger 2”, 2.5”, and 3” ported pumps are available in capacities up to 130 GPM and can be coupled directly to 1200rpm motors. For the heaviest of applications, the 4”, 5”, 6”, and 8” sizes are suited to pump 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. 20psi above system Design pressure is recommended

Key Features and Benefits

1. Flexible sealing options. (see configurations page)
2. “True” back pull-out design
3. Opposing inlet and outlet connections with oversized ports
4. Shaft supported by TWO ball bearings in single sealed configuration.
5. Self-priming with large suction capabilities
6. Low NPSH requirements
7. Self-draining top mounted integral safety relief valve
8. No speed reduction required in six smaller sizes
9. Complete heating/cooling jacketing available
10. Parts Interchangeability
11. Performance and hydrostatic testing standard

Rotan Pumps are backed by over 80 years of experience in the design and manufacturing of positive displacement pumps.

With our constant dedication to innovation and improvement, it’s no wonder the Rotan brand has been recognized as the most advanced internal gear pump available to the world today. Contact your local distributor for more information!

