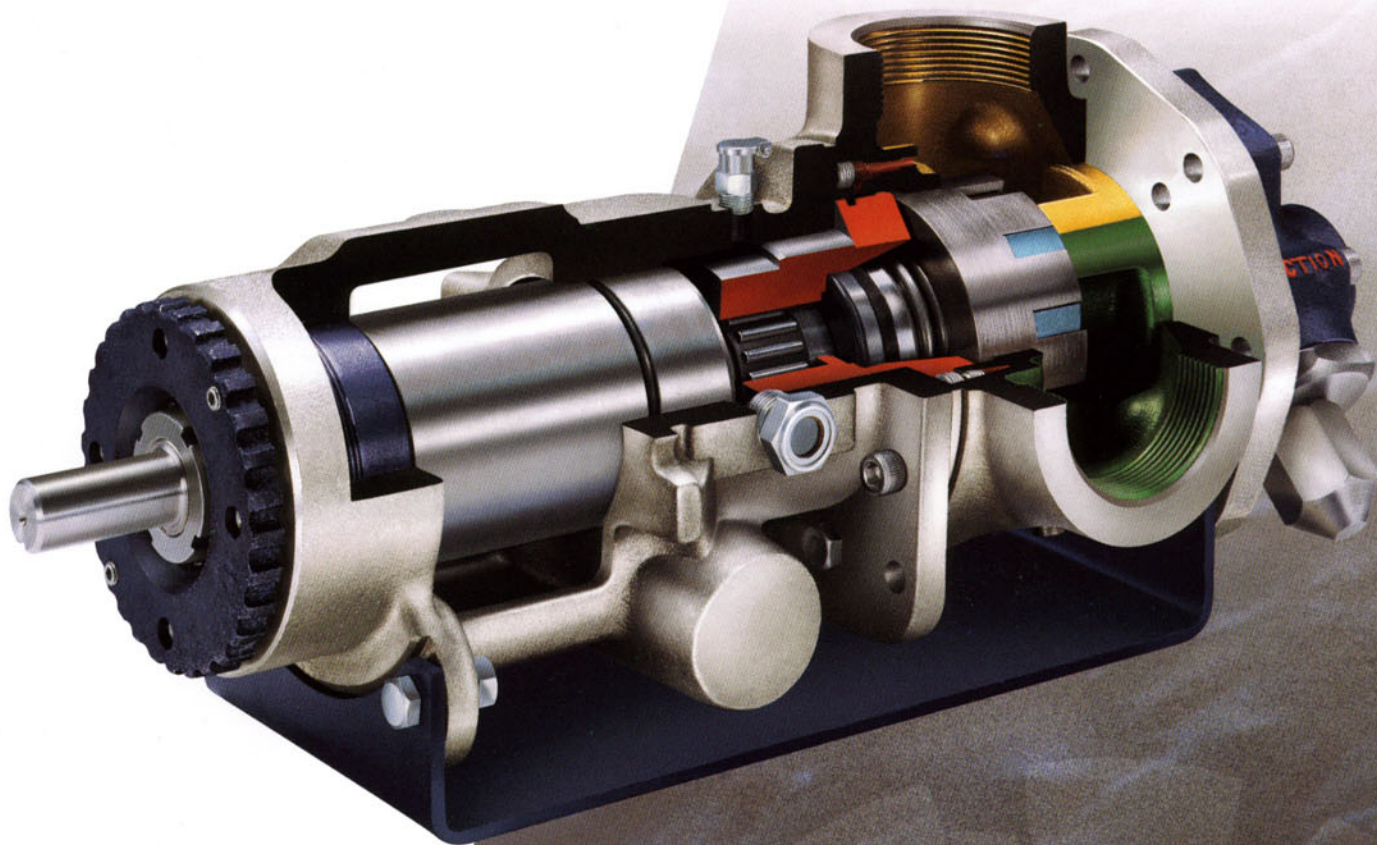


**GOR**  
**GORMAN-RUPP**  
ROTARY GEAR PUMPS



REDEFINING STATE-OF-THE-ART  
IN ABRASIVE HANDLING ROTARY  
GEAR PUMP TECHNOLOGY



**GORMAN-RUPP**

# EXTREME-DUTY

## ABRASIVE LIQUID PUMPS

Gorman-Rupp's abrasive-handling rotary gear pumps feature an exclusive seal cavity design and hardened wearing surfaces to effectively handle abrasive liquids such as paints, inks, chemical slurries, waste oils and more.

Available with our flexible seal design. The enlarged bearing housing allows flexibility for the installation of industry standard cartridge seals, packing seals with Aramid (Kevlar®) fiber with graphite and standard component seals.

Exclusive Gorman-Rupp seal cavity design prevents abrasive build-up by directing abrasives away from the seal, which prolongs seal life.

Pump head and housing, gears, rotor shaft and all parts coming in contact with the liquid are hardened to resist wear and extend the life of the pump.

Pump models are available in 31 sizes, capacities to 300 gpm, pressures to 200 psi.

Kevlar® is a registered trademark of E.I. du Pont de Nemours and Co.



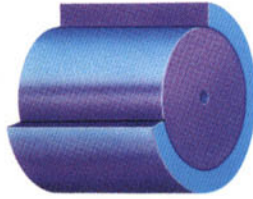
# TAKE A CLOSER LOOK AT THE GORMAN-RUPP EXTREME-DUTY ABRASIVE LIQUID PUMP FEATURES

## 1. Wear Resistant Rotor & Idler



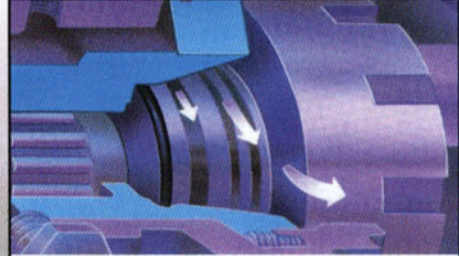
Hard, austempered ductile iron gears are designed to resist abrasion. Computer-designed gear tooth profile provides smooth, quiet pumping flow.

## 2. Carbide Idler Pin/ Idler Bushing



Carbide idler pin/idler bushing set provides extreme wear resistance under the most severe abrasive application.

## 3. Exclusive Seal Cavity Design



State-of-the-art mechanical seal sits in a tapered seal bore designed to extend seal life by directing abrasives away from the seal face and out of the pump.

## 4. Wear-Resistant Pump Head & Housing



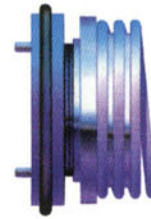
Critical wear areas of both the pump head and housing are hardened to resist wear and maintain maximum pump efficiency.

## 5. Needle Bearing Shaft Support



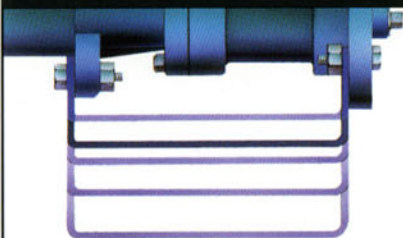
Needle bearing provides exceptionally reliable high-load shaft support and better rotor shaft stability, which extends seal life and operational life of the pump.

## 6. Hard Face Mechanical Seal



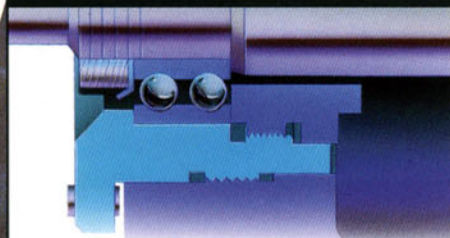
Silicon carbide seal faces mounted in a highly engineered mechanical seal ensure maximum life and reliability with minimum wear.

## 7. Easy Motor Center Height Adjustment



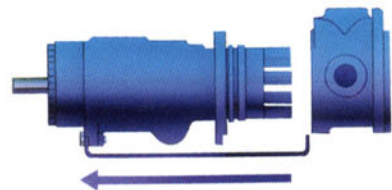
Foot brackets are centrally located under pump ports, providing better pump and piping support. Multiple center line heights allow simple and inexpensive bases.

## 8. Simple and Precise Rotor Adjustment



Simple, rugged, double-piloted design provides easy and precise rotor adjustment. Sealed double row bearings are maintenance free.

## 9. Back Pull-Out Design for Easy Service



Unique back pull-out design allows service and maintenance without disconnecting pump housing from piping.



The Gorman-Rupp Company  
P.O. Box 1217  
Mansfield, Ohio 44901-1217  
Phone: 419.755.1011  
Fax: 419.755.1251  
www.gormanrupp.com  
e-mail: grsales@gormanrupp.com

The Gorman-Rupp International Company  
P.O. Box 1217  
Mansfield, Ohio 44901-1217  
Phone: 419.755.1011  
Fax: 419.755.1266  
www.gormanrupp.com  
e-mail: intsales@gormanrupp.com

Gorman-Rupp of Canada, Ltd.  
70 Burwell Road  
St. Thomas, Ontario N5P-3R7 Canada  
Phone: 519.631.2870  
Fax: 519.631.4624  
www.grcanada.com  
e-mail: grcanada@gormanrupp.com