

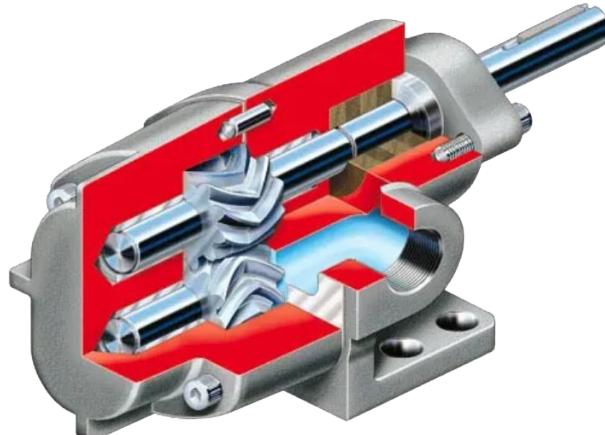


IMO: GA SERIES HERRINGBONE GEAR PUMP

Superior Engineering and Low Cost of Ownership

GA Series gear pumps have long been workhorses in highly viscous applications within a multitude of industries due to their dependability, efficiency and low total life cycle costs. Engineered to reliably pump viscous fluids over a broad range of flows and pressures, the GA Series superior between bearing, external herringbone gear design offers the benefits of pulse-free operation, dry-run capability and ease of maintenance.

Keep Your GA Series Herringbone Gear Pumps Running at Peak Performance



IMO GA SERIES

The cast iron GA Series pumps are available in three mounting configurations. With its multiple options and modular design, GA Series pumps can be customized to satisfy a wide range of applications.

- **GAS:** Foot mounted
- **GAF:** Flange mounted
- **GAC:** Close coupled

OPERATING PARAMETERS

- Flows to 27 m³/h (120 gpm)
- Pressures to 17 bar (250 psi)
- Temperatures to 175°C (350°F)
- Speeds to 1800 rpm
- Viscosities to 5000 cP

KEY FEATURES AND BENEFITS OF IMO GA SERIES PUMPS

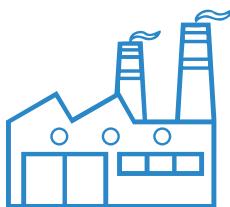
- **Two-Piece Dowelled Construction** ensures accurate alignment and facilitates maintenance by allowing faster access to pump internals without disturbing piping.
- **Stuffing Box on long-coupled** configuration allows for ample packing or mechanical seals for greater flexibility. To increase uptime and reduce maintenance costs, the stuffing box is exposed to suction pressure only.
- **Full Hydraulic Balance** eliminates need for specialized balancing devices or thrust bearings.
- **Suction and Discharge** passages designed for free, even flow and greater suction lift capability.
- **Horizontal and Vertical Suction** and Discharge Openings on sizes 1-4 of the flange-mounted and close-coupled designs permit greater piping flexibility.
- **Standard Carbon Sleeve Bearings** are self-lubricating for handling low-viscosity fluids. Bronze bearings are available for dirty fluid applications.
- **Precision Machined Teeth** engage gradually, preventing trapping of liquid and eliminating shock loading.

INDUSTRIES:



Power

- Combined Cycle
- Concentrated (Solar Power CSP)
- Biomass & MSW



General Industries

- Pulp & Paper
- Food & Beverage
- Other Industries



Oil and Gas

- Midstream Transportation



Chemical

- Biofuels

AVAILABLE OPTIONS:

- Integral safety relief valve provides short-term emergency bypass
- Mechanical seal ensures positive sealing
- Mechanical seal with inboard shaft bearing for belt, chain or overhung gear drives
- Bronze sleeve bushings for dirty fluid applications

APPLICATIONS:

• Oil circulation	• OEM	• Petrochemical blending and transfer
• Process industries	• Filtration equipment	• Food and beverage processing
• Fire foam systems		



FOR ADDITIONAL INFORMATION VISIT:

Website: pumps.circor.com/contact | Customer Care at CC@circor.com



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