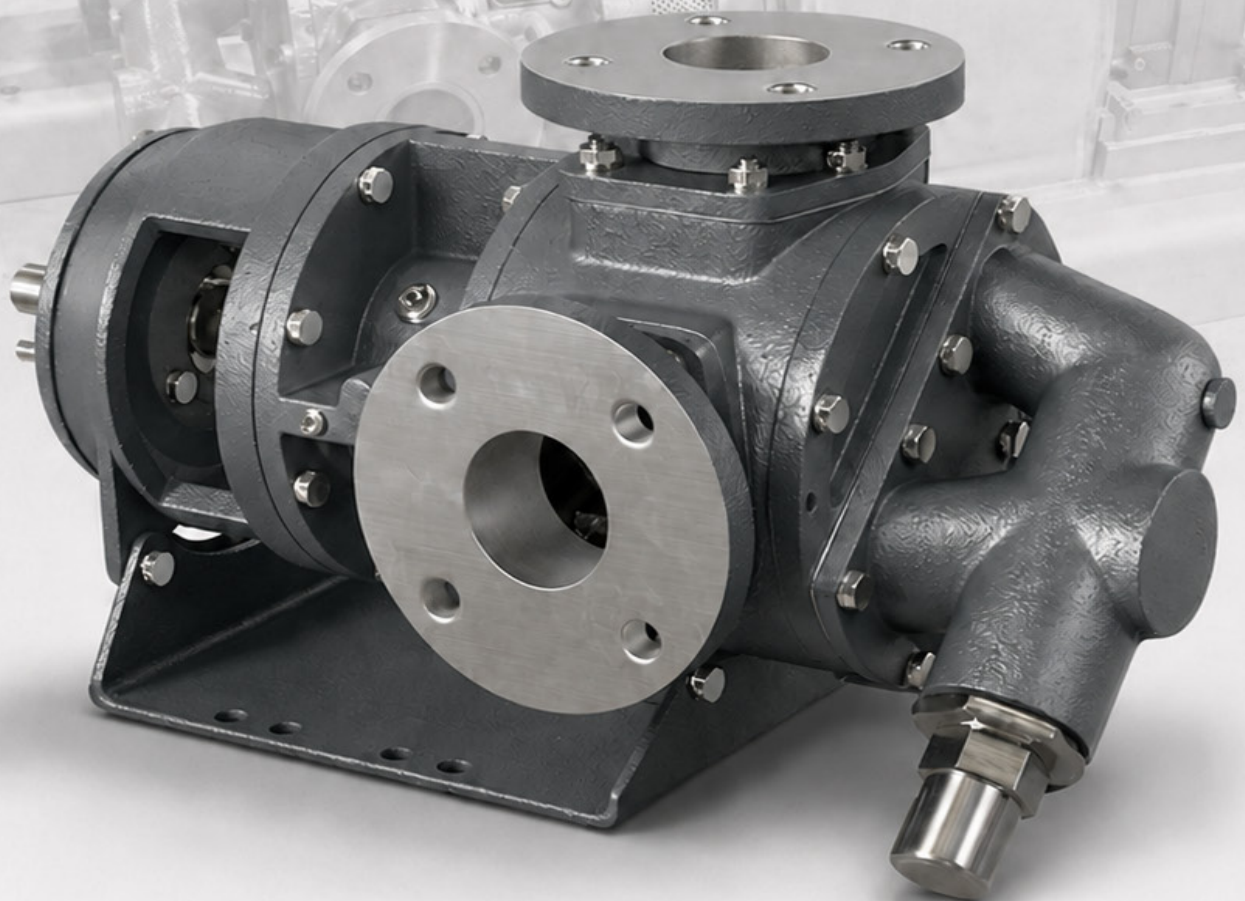


ARO[®]

GLOBALGEAR[®]

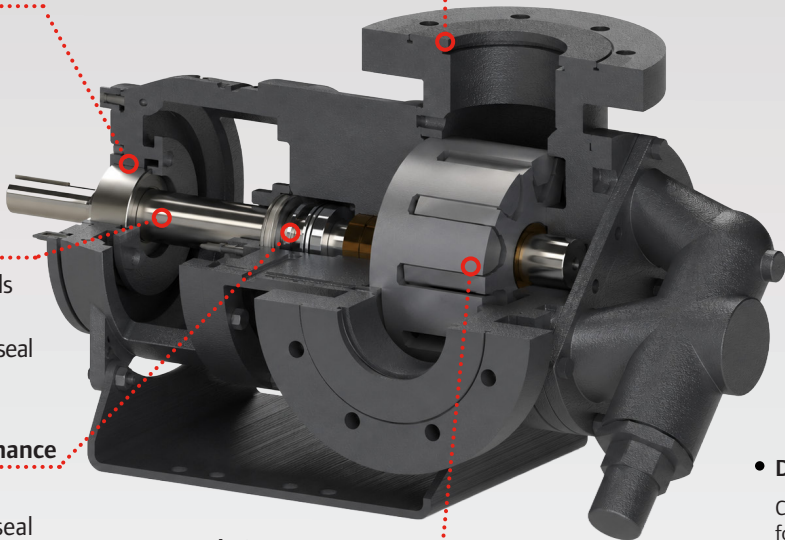
GLOBALGEAR PRODUCT FAMILY BROCHURE
POSITIVE DISPLACEMENT INTERNAL GEAR PUMPS



BUILT ON A TIME-TESTED DESIGN

...And More Than 90 Years of Engineering Experience

Capable of tackling the toughest high-viscosity applications, the ARO GlobalGear uses a robust pump design along with stronger and more reliable materials to extend pump life, reducing the total cost of ownership. The result? An unbeatable pump that offers unparalleled performance and handles the most difficult applications worry free.



Robust Bearing
Maintenance-free lubrication

Strong Shaft Design
High-strength materials ensure reliability, less deflection, and longer seal life

In-Line Seal Maintenance
Easily convert from cartridge to packing seal

Modular Ports
Oversized, high-pressure, NPT & BSPT plus ANSI flanged options

Tough Gears
Rotor and idler gear handle high-viscosity, high-pressure operation; no need for steel rotor upgrade

SEAL OPTIONS

- Cartridge Seal
- Mechanical Seal
- Packing Seal
- Slurry Seal
- Tuffseal

- **Direct Drop-In**
Convenient footprint allows for easy upgrade to Global-Gear from other brands
- **Bi-Directional**
Flexible design suits your needs

OTHER FEATURES & BENEFITS

Back Pull-Out Design

- Reduce downtime for service
- Maintain pump without disturbing piping or shaft alignment
- Simplifies inventory by replacing many components with a single drive module

Customized Options

- Relief valve
- A variety of seal choices
- Oversized and high-pressure flanges
- Tuffriding process to harden surface of pump to resist abrasion, fatigue, and limit crack propagation
- Specialized construction for high temperatures
- Modular port options
- Jacketing

Design Features Extend Seal Life

- Oversized shaft and bearing diameters on models G130 - GG1200 to minimize shaft deflection
- Large bore size for stuffing boxes for improved fluid circulation
- Internal venting to maximize seal cooling
- Proven high-viscosity seal solutions
- In-line seal maintenance



THE GLOBALGEAR PRODUCT LINE

A Size and Flow Rate for Every Application

Whether you're pumping hot mix asphalt, chemicals, paint, resin, or refined food oils, ARO has a GlobalGear pump ideally suited for your application. From 15 GPM all the way up to 1200 GPM, GlobalGear is the proven and reliable choice for your entire facility. Multiple jacket, trim, and seal options are available to ensure reliable and consistent operation in a wide range of operating conditions.

CAST IRON



Standard carbon steel rotor shaft

Differential pressures to 200 PSI (13.8 bar)

Temperatures to 600 °F (316 °C)

NOMINAL FLOW RATE

MODEL	MAX RPM	GPM						m ³ /hr		
			@		RPM				@	RPM
GG015	1800	15	@	1750	RPM	3.4	@	1750	RPM	
GG030	1800	30	@	1750	RPM	6.8	@	1750	RPM	
GG080	1500	60	@	1150	RPM	13.6	@	1150	RPM	
GG120	1200	75	@	780	RPM	17.0	@	780	RPM	
GG130	1000	100	@	780	RPM	22.7	@	780	RPM	
GG200	1000	135	@	640	RPM	30.6	@	640	RPM	
GG210	800	140	@	520	RPM	32.0	@	520	RPM	
GG250	640	200	@	640	RPM	45.4	@	640	RPM	
GG350	750	350	@	750	RPM	79.5	@	750	RPM	
GG500	520	500	@	520	RPM	113.5	@	520	RPM	
GG550*	500	550	@	500	RPM	124.5	@	500	RPM	
GG600	350	600	@	350	RPM	136.2	@	350	RPM	
GG1200	280	1200	@	280	RPM	272.5	@	280	RPM	

* Differential Pressures to 150 PSI (10.3 bar)

CAST STEEL (API)



Differential pressures to 200 PSI (13.8 bar)

Temperatures to 600 °F (316 °C)

Viscosities to 1,000,000 SSU (220,000 cSt)

NOMINAL FLOW RATE

MODEL	MAX RPM	GPM						m ³ /hr		
			@		RPM				@	RPM
GG015	1800	15	@	1750	RPM	3.4	@	1750	RPM	
GG130	1000	100	@	780	RPM	22.7	@	780	RPM	
GG250	640	200	@	640	RPM	45.4	@	640	RPM	
GG550 [†]	500	550	@	500	RPM	124.5	@	500	RPM	

[†] Differential Pressures to 125 PSI (8.6 bar)

STAINLESS STEEL



Standard gall-resistant, Nitronic 60 rotor head & idler gear

Differential pressures to 150 PSI (10.3 bar)

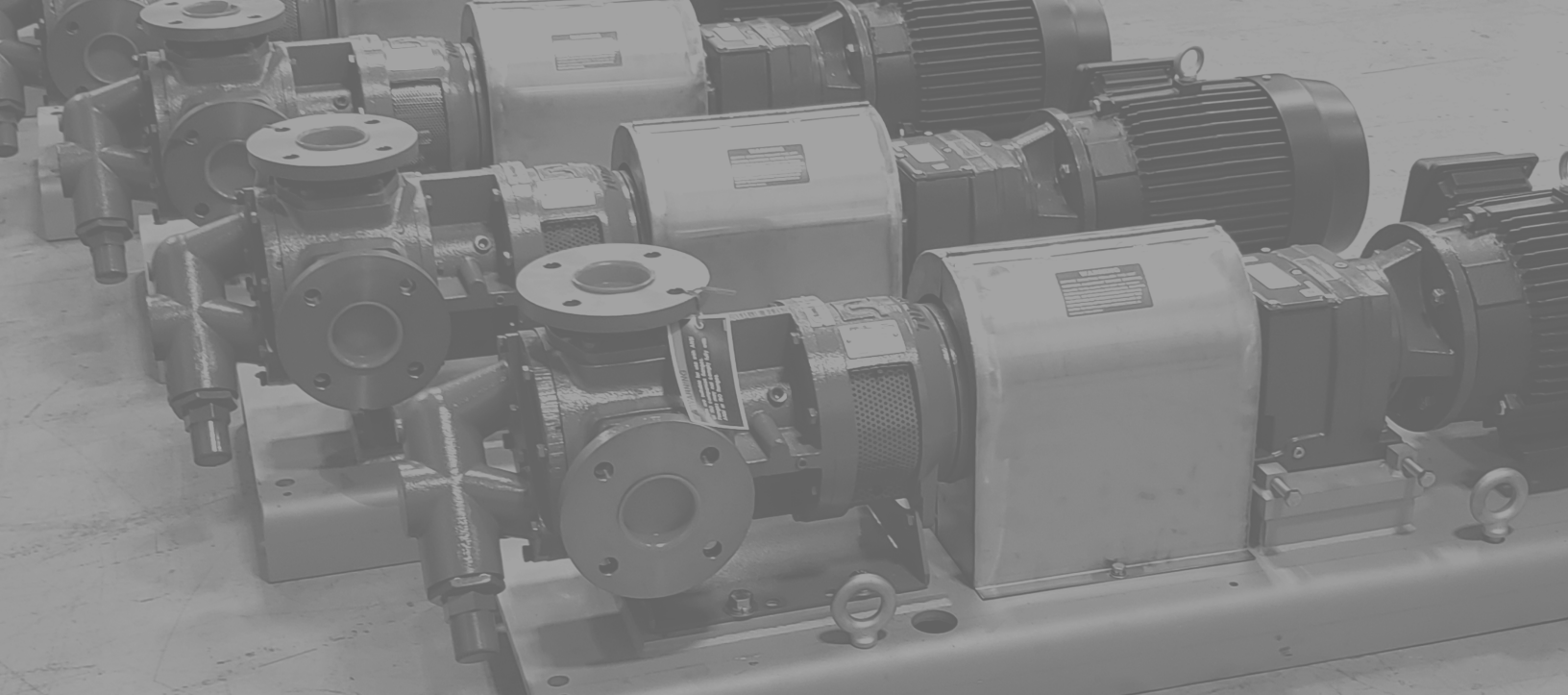
Temperatures to 500 °F (260 °C)

NOMINAL FLOW RATE

MODEL	MAX RPM	GPM						m ³ /hr		
			@		RPM				@	RPM
GG015	1800	15	@	1750	RPM	3.4	@	1750	RPM	
GG030	1800	30	@	1750	RPM	6.8	@	1750	RPM	
GG080	1500	60	@	1150	RPM	13.6	@	1150	RPM	
GG130	1000	100	@	780	RPM	22.7	@	780	RPM	
GG210	800	140	@	520	RPM	31.8	@	520	RPM	
GG250	640	200	@	640	RPM	45.4	@	640	RPM	
GG550**	500	550	@	500	RPM	124.5	@	500	RPM	

** Differential Pressures to 125 PSI (8.6 bar)





INDUSTRIES AND APPLICATIONS

- Petroleum Products
- Asphalt
- Chemical Processing
- Corrugated Box (Starch)
- Energy & Power
- Bulk Transfer
- Foam (Polyol & Isocyanates)
- Food & Beverage Processing
- Lubes, Greases, & Blending
- Oil & Gas
- Inks & Pigments
- Pulp & Paper
- Refined Food Oils
- Resins, Paints, & Coatings
- Soaps & Surfactants
- Adhesives & Sealants



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- Service Manuals
- Sample Guide Specifications
- Product Brochures
- Engineering Data Packs With Dimensions and Design Information
- Pump Guru - Pump Selection Software - Configure, Price, and Quote the Right Pumps to Meet Your Application Needs
- White Papers
- Product Spotlights and More

