

KONTRO[®]

Model GSA

Frame 1 & 2



FEATURES

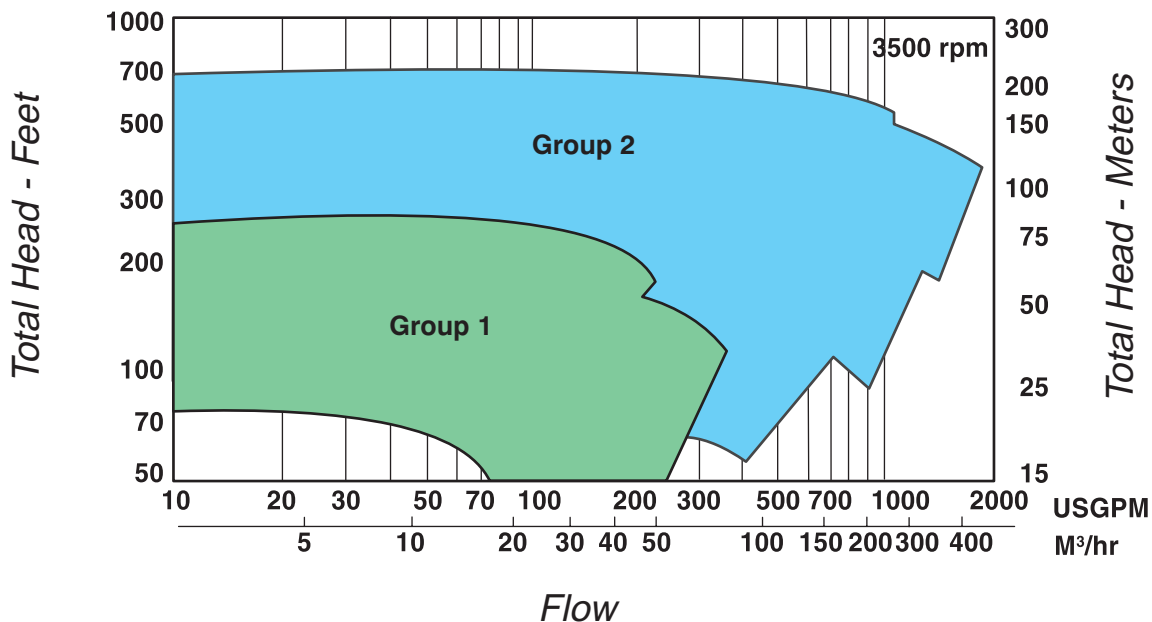
The **KONTRO** Model GSA sealless magnet drive pump offers a truly affordable alternative to conventional sealed pumps. **KONTRO** pumps have no mechanical seals to leak or fail. A powerful magnetic coupling is used to drive the impeller, eliminating the connection between the impeller and driven shaft. All wetted parts are housed in a rugged containment shell which is sealed by a single, trapped flat gasket.

KONTRO pump's time proven design, engineering and manufacturing experience provide the chemical processor with a safe, reliable and durable sealless pump. The Model GSA is the ideal solution for handling toxic or hazardous liquids.

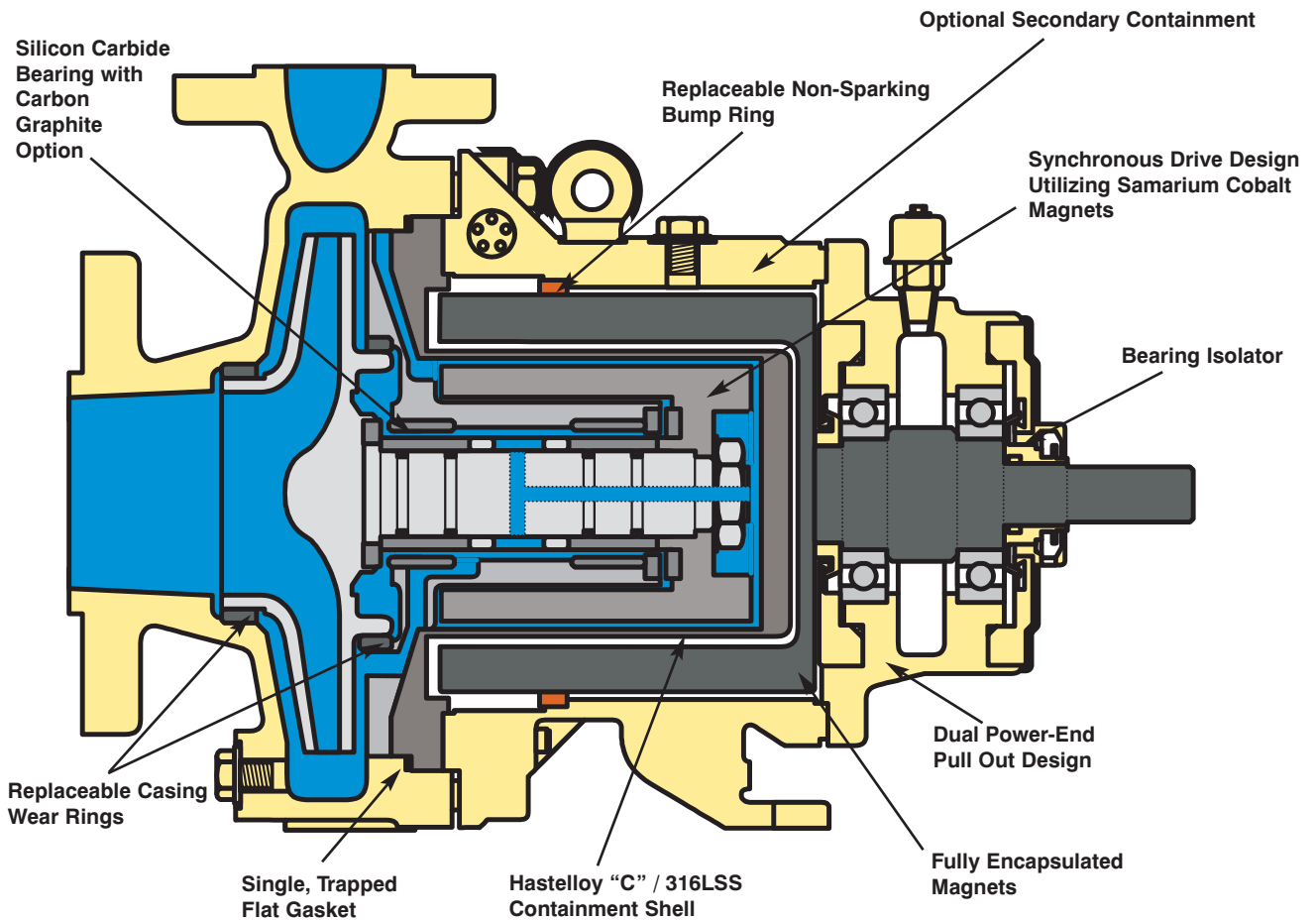
GSA Features and Benefits:

- **Sealless Design** - total product containment.
- **Rugged Design** - Provides maximum operational up time.
- **Cartridge Design** - reduced complexity makes for easy maintenance by local technicians in the field.
- **Configuration** - close coupled design eliminates motor misalignment (frame mount also available).
- **Magnetic Drive Coupling** - completely encapsulated, Samarium Cobalt magnets as standard.
- **ANSI Dimensions** - easy replacement of conventional ANSI pumps.

PERFORMANCE



MODEL GSA - Frame 1 & 2



Specifications

Type:ANSI Sealless Centrifugal
 Configuration:Horizontal Frame-Mount or Close-Coupled
 Number of Sizes:18
 Maximum Capacity:2000 GPM [454 m³/hr]
 Maximum TDH:700 Ft. [213m]
 Maximum Power:100 hp @ 3500rpm, 50 hp @ 1750 rpm - 60Hz
75 hp @ 2900rpm, 10 hp @ 1450rpm - 50Hz
 Materials of Construction:316SS, Alloy 20, Alloy C, Alloy B
 Magnetic Coupling Type:Synchronous
 Magnet Material:SmCo
 Bearing Material:SIC/SIC-standard,
SIC/Carbon-optional
 Max. Operating Pressure:275psi @ 100°F (38°C) [18.9 bar]
 Min. Operating Pressure:Full Vacuum
 Max. Operating Temperature:400°F [205°C]-standard,
500°F [260°C]-optional
 Min. Operating Temperature:-40°F [-40°C]
 Max. Viscosity:200 centistokes
 Flanges:150# RF-standard,
300# RF-optional
 Max. Solids Concentration/Size:5% concentration by weight, max. 150 µ

Typical Applications

Chemical:

Caustic
 Ethylene/Propylene Oxide
 Styrene
 Heat Transfer Fluids

OEM:

Heat Transfer Fluids
 Caustic

General Industry:

Nitric Acid
 Caustic
 Solvents
 Sulfuric Acid

Pulp and Paper:

Sulfuric Acid
 Hydrogen Peroxide
 Sodium Hypochlorite
 Methanol

Pharmaceutical:

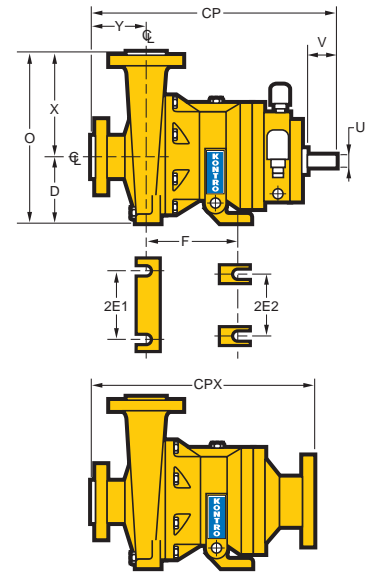
Heat Transfer Fluids
 Solvents

Petroleum:

Sour Water
 Hydrocarbons
 Amines
 Sulfuric Acid

OUTLINE DRAWINGS

	ANSI Dimension Designation	Pump Size	CP	D	2E1	2E2	F	H	O	U	Keyway Size			Y	CPX
											V	X			
Group 1	AA	1 1/2 x 1 x 6	17.50 (445mm)	5.25 (133mm)	6.00 (152mm)	0	7.25 (184mm)	.62 (16mm)	11.75 (298mm)	.875 (22mm)	.187 (5mm) x .094 (2.4mm)	2.00 (51mm)	6.50 (163mm)	4.00 (102mm)	14.875 (378mm) MAX. Motor Frame 145C
	AB	3 x 1 1/2 x 6													16.875 (425mm) MAX. Motor Frame 256C
	---	3 x 2 x 6													
	AA	1 1/2 x 1 x 8													
	---	3 x 1 1/2 x 8													
Group 2	---	4 x 3 x 6	23.50 (597mm)	8.25 (210mm)	9.75 (248mm)	7.25 (184mm)	12.50 (318mm)	.62 (157mm)	16.50 (419mm)	1.125 (29mm)	.25 (63mm) x .125 (3.2mm)	2.62 (67mm)	4.00 (102mm)	8.25 (210mm)	
	A60	3 x 2 x 8							17.75 (451mm)					9.50 (241mm)	
	A70	4 x 3 x 8H							19.25 (489mm)					11.00 (279mm)	
	---	6 x 4 x 8H													
	A05	2 x 1 x 10													
	A50	3 x 1 1/2 x 10							16.75 (425mm)					8.50 (216mm)	
	A60	3 x 2 x 10							17.75 (451mm)					9.50 (241mm)	
	A70	4 x 3 x 10H							19.25 (489mm)					11.00 (279mm)	
	---	6 x 4 x 10							23.50 (596mm)					13.50 (343mm)	
	---	2 x 1 x 3							16.75 (425mm)					8.5 (216mm)	
	A20	3 x 1 1/2 x 13							20.50 (521mm)					10.50 (267mm)	
	A30	3 x 2 x 13							21.50 (546mm)					11.50 (292mm)	
	A40	4 x 3 x 13							22.50 (572mm)					12.50 (318mm)	



NOTE:
This drawing is not a certified drawing.
Dimensions are for reference only and
will vary with pump size selected.

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