

ANSI Centrifugal Pumps Processing Industry



Where Innovation Flows

griswoldpump.com





GRISWOLD[™] CENTRIFUGAL PUMPS

Griswold[™] is a premier manufacturer of centrifugal pumps and baseplate systems. With engineering expertise, lean manufacturing, testing capabilities, and exceptional customer support, Griswold meets its customers' most demanding application requirements, all while minimizing project costs.

ARE ALL ANSI PUMPS THE SAME?

In 1974, the American National Standards Institute (ANSI) established manufacturing criteria for centrifugal pumps to ensure that the demanding needs of the chemical-processing industry are met. Mandatory design features- such as self-ventilation, foot mounting, centerline discharge and back pullout-became the industry's assurance that complying pumps met production and safety needs.

Even though ANSI compliance would seem to level the playing field for pump specification, your choices are actually far more complex. The fact is that many brands just meet the minimum requirements of this standard, and a pump is far more than just its specifications. While other brands may offer similar features and performance, you may experience inflated cost, delayed delivery and deflated service. In a market where all ANSI pumps seem the same, dare to compare.





TEXTILE





SEMICONDUCTOR





FOOD PROCESSING

CHEMICAL



PROVEN TRACK RECORD OF PERFORMANCE

The Griswold 811 ANSI line offers the best pumps you'll find on the market. Engineered for exceptional performance and maximum flexibility, the 811 models go the distance in the harshest and most difficult fluid-processing applications. The Griswold 811 centrifugal pump was among the first pump designs to comply with the new ANSI standards in the 1970s. More than 45 years of proven performance has enabled Griswold to focus on enhancing its ANSI pump features and support offerings to surpass the industry standard and exceed customer expectations.



EXTENDED EQUIPMENT LIFE

In addition to exceeding ANSI construction requirements, the 811 models include several features that are critical to long-term operational reliability. To start, the open impeller and seal chambers are designed to facilitate corrosive and erosive substance transport, heat regulation and routine maintenance. The 811's range of enhanced power frames and rigid baseplates combine the latest technology with the highest quality construction to minimize the effects of work forces and shaft deflection, optimize cooling and further simplify the installation and maintenance process. All told, you can expect the 811 pump series to continue performing long after other ANSIs wear out or break down.

REDUCED INITIAL & TOTAL COST OF OWNERSHIP

You may have heard that the initial cost of your pump and parts plays a minor role in your total cost of ownership. NOT TRUE! With the Griswold 811, you get identical quality and longevity as the best-known brands—at a lower initial price. Factor in low cost on parts and the long-term savings are even greater! This translates into the industry's LOWEST total cost of ownership.



SPEED AND EASE OF REPLACEMENT

When meeting your production quota is compromised, waiting for repairs can mean significant losses in revenue (which is another factor in true cost of ownership). The Griswold 811 and an extensive inventory of parts are 100% interchangeable with hundreds of thousands of other ANSI pumps currently in use. With stocking distributors from coast-to-coast and throughout the world, you can be up and running before you even get a response call from the competition!



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^{Engineered} for Flexibility Durability



TECHNOLOGY: CENTRIFUGAL 811 Series ANSI/ASME Centrifugal Pumps

The 811 model is available in a wide range of sizes, capacities and materials to fit virtually any process-fluid application. With more than 30 selections and multiple design options, we've got your application covered - for abrasives, corrosive substances and a wide range of capacities.

Applications

- Oil & Gas
- Chemical
- Petrochemical
- Water Treatment
- Pulp & Paper
- Breweries
- Grain Processing
- Food Processing

Features and Benefits:

- ASME (ANSI) B73.1-compliant
- Magnetic drain plug
- Extra-large capacity epoxycoated oil sump
- Registered alignment between frame and adapter
- Standard and low-flow models available

Technical Data:

- Ductile iron, CF8M (316) stainless steel, CD4MCu and Alloy 20 materials available
- Max. temperature: 260°C (500°F)
- · Three stuffing-box options available
- · Multiple port sizes available
- Multiple seal-flush plans available
- · Steel and composite baseplates available
- · Certified testing per Hydraulic Institute and material certifications per ASTM

Performance Data:

- Max. flow: 1,590 m³/hr (7,000 gpm)
- Max. head: 275 m (900 ft)

Certifications & Associations:







- Automotive
- Pharmaceutical
- Steel
- Semiconductor
- Power Generation
- Textile
- Heavy-duty power frames
- Fully open impellers with rearadjustment capability
- · Wide variety of mechanical seal options
- Dynamically balanced impellers





1 Ductile Iron Frame Adapters

Ductile-iron construction provides strength and safety. Precision machined to accurately align the liquid end to the power end. Large openings simplify installation and maintenance. Includes jacking bolts to facilitate disassembly.

2 Labyrinth Seals Standard

INPRO® oil seals keep outside contaminants from lubrication media, significantly extending bearing life. Standard in bronze. Carbon-filled PTFE (Teflon®) and magnetic face seals optional.

3 Mounting Frame Flange

Machined to accommodate C-face motor adapters.

Extra-Large Capacity Powder-Coated Oil Sump

Maximized oil capacity delivers improved heat transfer and oil temperature, greatly extending bearing life. Designed to accommodate optional fin coolers for high-temperature applications. Impenetrable fusion-bonded epoxy coating on interior surface extends quality, cleanliness and longevity of the lubricating oil.

External Clearance Adjustment

Designed for maintaining original flow, pressure and efficiency, minimizing energy consumption and repairs, and extending mean time between repairs (MTBR).

6 Heavy-Duty Shaft and Bearings

Engineered to minimize vibration and shaft deflection, less than 0.002 inch per ANSI/ASME B73.1, optimizing pump life. Sleeved and solid shaft available in a variety of materials. Bearings sized for 10-year life expectancy under tough operating conditions.



Oversized Sight Glass

One-inch bullseye reflective sight glass facilitates monitoring oil level and condition, critical to bearing life. Bottle oiler optional.

8 Magnetic Drain Plug

Collects damaging metallic contaminants away from the bearings.

Extra-Heavy Casings

All Class 150 pumps are produced with the same heavy-duty wall thicknesses as Class 300 pumps for extended reliability and casing life under severe corrosive/erosive conditions:

- Top centerline, self-venting discharge for air handling
- Back pullout to simplify maintenance
- Rigid casing feet prevent pipe-load misalignment and promote seal/casing life
- Discharge connection for pressure gauge or seal bypassflush connection standard on ductile iron and stainless steel casings
- Class 150 FF standard for positive sealing; optional Class
 150 RF/300 FF/RF available
- Casing drain standard in ductile iron and stainless steel for simplified maintenance

10 Fully Open Impeller

With double the wear area of enclosed models, the 811's impeller offers superior handling of solids, corrosives and abrasives. Back pump-out vanes reduce hydraulic loads and seal chamber pressure.

1 Sealing Flexibility

Wide range of sealing options coupled with seal chambers and stuffing boxes selected for service condition to improve lubrication and heat dissipation of seal faces, maximizing pump uptime.

12 Contained Casing Gasket

Provides positive sealing at casing joint to prevent "blow out" of liquids and to facilitate disassembly.



811 Series Options

SEAL CHAMBERS & SEALING FLEXIBILITY:

Our quality seal chambers are engineered to provide optimum seal environment for heat dissipation, solids, entrapped air and vapor. Oversized seal chambers increase radial clearance between the mechanical seal and seal chamber, as well as provide better circulation of liquid to and from the seal faces, preventing failure of the shaft seal. A variety of flush plans are available for additional lubrication and cooling of the seal faces.

	Standard Bore	Large Bore	Tapered Bore		
Services	Services utilizing packing or mechanical seals. For mild fluid at ambient temperatures.	Most services including those with solids greater than 10%. Increased radial clearance between seal and chamber for improved liquid circulation, lubrication and cooling.	Services up to 10% solids or those containing entrained air or vapors. For lower seal face temperatures, self venting and draining. Circulates solids and vapors away from seal faces.		
	Sealing F	lexibility			
Packing	Most Services	Not Available	Not Available		
Single Seal/No Flush	Not Recommended	Not Recommended	Services with Solids up to 10%		
Single Seal/With Flush	Mild, Clear Fluids	Most Services Including Solids above 10%	All Services with Solids up to 10%		
Conventional Double Seal with Seal Plan	Zero Leakage Applications	Zero Leakage Applications	Not Available		
Cartridge Double Seal with Seal Plan	Zero Leakage Applications	Zero Leakage Applications	Zero Leakage Applications		

SEALS TO FIT ANY APPLICATION:

Cartridge Seals, Component Seals & Conventional Packing

With Griswold's broad selection of seals, you can accommodate most any fluid and temperature for demanding chemical, petroleum, pharmaceutical and general industry applications. Our engineers can recommend the best seal to maximize your application and system life–including cartridge or component, single or double, inside or outside, balance or unbalanced seals or conventional packing.



Single Cartridge Seal



Double Cartridge Seal



Double Gas Barrier Seal



Conventional Double Seal

EXTENSIVE OPTIONS

Griswold offers a broad range of options and upgrades to tailor the 811's handling and performance to meet virtually any fluid-processing application. The Griswold engineering staff can assist you in configuring pump size, material and components to best suit your specific plant and processing requirements.



SEAL-FLUSH PLANS

ASME (ANSI) B73.1 seal-flush and cooling plans are offered to control emission levels, improve lubrication and cooling of the seal faces, and reduce downtime. Ask for assistance in selecting the best plan.

LUBRICATION OPTIONS

811 power ends accommodate all lubrication systems, including flood oil, oil mist and grease lubrication. The power ends are pre-drilled for all lubrication methods and can be easily converted in the field without modification.



SPECIAL SURFACE PREPARATION

Griswold offers a variety of optional surface-preparation processes for extended corrosion protection and contaminant-free pumping:

- Electro-Polishing
- Passivation
- Hard-Metal Coatings
- Fusion-Bonded, Epoxy-Coated Power End
- Special Paint Systems



Accessories: We've Got You Covered

BASEPLATE MOUNTING SYSTEMS

Griswold offers a complete range of pre-engineered rigid baseplates designed to reduce stress and vibration as well as extend MTBR, thus ensuring long-term durability. A wide selection of metallic and non-metallic baseplates provide flexibility in selecting the best base to fit your operating needs and budget. Bases include a fully enclosed steel coupling guard as standard with optional nonsparking coupling guard available.

HEAVY DUTY C-FACE MOTOR ADAPTOR

Optional Feature

The C-face motor adapter bolts directly to the precision machined fit on the power frame. The register fits on both ends of the adapter lock in a standard C-face motor, guaranteeing both parallel and angular alignments. This quick, yet precision installation minimizes time spent aligning shaft couplings, and eliminates seal and bearing replacements caused by misalignment. Best of all, the C-face adapters are directly interchangeable with most ANSI pumps.



WATCHDOG OILER

Optional Feature

Watchdog oilers are designed to ensure the Griswold 811 power frame maintains a constant oil level in the event of a slight oil leak. The Watchdog oiler replaces the standard 1" sight glass on the power frame and have a viewport to easily verify adequate oil is present.



DRIP TRAY

Optional Feature

Griswold offers 316SS drip trays designed for all pump models. The drip trays are designed to be installed directly under the pump and have a 1/2" NPT drain port.





HIGH & LOW TEMPERATURE CAPABILITY

- Heat Jacket: Clamps onto the casing to manage heat transfer. Easy to install or remove for servicing.
- Jacketed Seal Chamber: Maintains temperature control for heating or cooling of sealing environment.
- Bearing Frame Finned Cooler: Directly cools oil to lower bearing temperature. Recommended for temperatures higher than 175°C (350°F).



1750 1450 RPM Performance Curve

3500 2850 RPM Performance Curve



Pressure and Temperature Capability

CASTING SPECIFICATION

ASTM A395 Grade 65-45-15

ASTM A351 Grade CF8M



MODELS 811S, 811M, 811L; CLASS 300 FLANGES MAX. CASE WORKING PRESSURE-PSIG 316, W-20, MC EL, NICKEL, HASTELLOY B & C 400 300 200 100 0 600 -400 -300 -200 -100 0 100 200 300 400 500 TEMPERATURE-DEGREES FAHRENHEIT

MAXIMUM WORKING PRESSURE LIMITS

Note: Final selections must be based on temperature and pressure limits

B.H.P. Limits

MODEL											
R.P.M.	811S	811M	811L	811XL	811XL17						
3560	40.0	122.0	200.0								
2900	32.6	99.4	162.9								
1780	20.0	61.0	100.0	250.0	350.0						
1450	16.3	49.7	81.5	203.7	285.1						
1180	13.3	40.4	66.3	165.7	232.0						
880	9.9	30.2	49.4	123.6	173.0						

316SS 20 Alloy 20 ASTM A351 Grade CN7M Χ4 Duplex ASTM A995 Grade 1B (CD4MCuN)

MATERIAL

Ductile Iron

DASH

N6

91

Materials/Casting Specs

Construction Details

Grisw	rold 811 Model	Model 8115	Model 811M	Model 811L	Model 811XL	Model 811XL17					
Corros	sion Allowance @ Max.	0.125									
Max. A	Allowable Working Pressure (MAWP)	See Pressure/Temp. charts above									
Hydro	static Test Pressure		1.	50% MAWP at 100ºF (38ºC])						
Max. L	iquid Temp.	350°F (177°C) without Cooling / 500°F (260°C) with Cooling									
	At Coupling (in.)	0.875	1.125	1.875	2.375	2.375					
neter	Sleeve Dia. Under Seal (in.)	1.375	1.75	2.125	2.50	2.50					
Diar	Under Impeller (in.)	0.75	1.00	1.25	1.50	1.50					
Shaft	Under Sleeve (in.)	1.125	1.50	1.875	2.00	2.25					
	Overhang (in.)	6.125	8.375	8.375	9.97	9.97					
js	Radial	SKF 6207	SKF 6309	SKF 6311	SKF 6313	SKF 6313					
earing	Thrust	SKF 5306 A/C3	SKF 5309 A/C3	SKF 7310 BECBM	SKF 5313 A/C3	SKF 5313 A/C3					
Be	Bearing Span	4.125	6.75	6.875	9.25	9.25					
Mecha	anical Seal Size (in.)	1.375	1.75	2.125	2.50	2.50					
x ore	I.D. (in.)	2.00	2.50	2.875	3.375	3.625					
ng Bo rd Bc	Depth (in.)	2.125	2.6	25	3.00	3.00					
Mechanical Beal Mechanical Der Der to 1 Der Der Der Der Der Der Der Der Der Der	Distance End of Box to Nearest Obstruction	2.50	2.8	13	2.978	2.978					
×	I.D. (in.)	2.875	3.50	3.875	4.50	4.50					
ng Bo Bore	Depth (in.)	2.125	2.1	25	3.00	3.00					
Stuffir Larg€	Distance End of Box to Nearest Obstruction	2.50	2.8	13	2.85	2.85					
Lanter	m Ring Width (in.)	0.438	0.6	25	0.625	0.625					

B11 Parts, Materials, Miscellaneous Specifications



Parts and Material Composition

ITEM NO.	REQ'D PER PUMP	PART NAME	ALL DUCTILE IRON	ALL 316SS	ALL ALLOY 20	ALL CD4MCu	ITEM NO.	REQ'D PER PUMP	PART NAME	ALL DUCTILE IRON	ALL 316SS	ALL ALLOY 20	ALL CD4MCu
100	1	Casing	DI	316SS	Alloy 20	CD4MCu	250	1	Mechanical Seal Gland	316SS		Allo	y 20
101	1	Impeller	DI	316SS	Alloy 20	CD4MCu	319	1	Sight-Oil Gauge		Cad. P	lated	
105	1	Lantern Ring		Glass-Fi	lled TFE		332A	1	Labyrinth Oil Seal (Outboard)	Bronze	(Optional C	arbon Filled	l PTFE)
106	1	Packing	SIL C-8201	Acid Rest.	TI	FE	333A	1	Labyrinth Oil Seal (Inboard)	Bronze	(Optional C	arbon-Filled	I PTFE)
107	1	Packing Gland	31	6SS	Allo	y 20	351	1	Casing Gasket	Aran	nid Fiber wit	h EPDM Rul	ober
108	1	Frame Adapter	Ductile Iron			353	4	Gland Stud		316SS			
112	1	Outboard (Thrust) Bearing	Double-Row Angular Contact**				355	4	Gland Nut	304SS			
122	1	Shaft - Less Sleeve (Optional - Shown)	31	316SS		Alloy 20		1	Casing Drain Plug	Steel	316SS	Alloy 20***	316SS***
122	1	Shaft - With Sleeve (Not Shown)	SAE4140			360	1	Gasket, Frame-to-Adapter	Vellumoid				
126	1	Shaft Sleeve (Not Shown)	31	6SS	Allo	y 20	360A	1	Gasket, Bearing-End Cover	Vellumoid (811XL Only)			
134	1	Bearing Housing		Cast	Iron		370	3	Bearing Housing Hex Bolt	Steel			
136	1	Lock Nut / Lock Washer		Ste	eel		412A	1	Impeller O-Ring		Glass-Fil	lled TFE	
168	1	Inboard (Radial) Bearing		Single-Row [Deep Groov	e	418	3	Casing Jack Screw	Steel			
184	1	Stuffing Box	DI	316SS	Alloy 20	CD4MCu	469B	2	Dowel Pin		Ste	el	
228	1	Frame	Cast Iron (Ductile for Small Frame)		ame)	496	1	Bearing Housing O-Ring		Buna R	ubber		
241	1	Frame Foot		Cast	Iron								

** 811L Power End features Duplex Angular Contact. Additional materials available upon request. *** Casing Drain Plug Optional

Component Interchangeability





Dimensional BHP Casting Data



E1

4

Small Pump End and Baseplate

	PUMP-END DIMENSIONS												
	Pump Size	ANSI Designation	Dischar	ge Suct	ion	D	x		СР	E1	E2	F	
SMALL	1.5x1-6	AA	1.00	1.5	0 5	.25	6.50		17.50	3.00	0	7.50	
	3x1.5-6	AB	1.50	3.0	0 5	.25	6.50		17.50	3.00	0	7.50	
	3x2-6	AC	2.00	3.0	0 5	.25	6.50		17.50	3.00	0	7.50	
	1.5x1-8	AA	1.00	1.5	0 5	.25	6.50	17.50		3.00	0	7.50	
	LF1.5x1-8	AA	1.00	1.5	0 5	.25	6.50		17.50	3.00	0	7.50	
	3x1.5-8	AB	1.50	3.0	0 5	.25	6.50		17.50	3.00	0	7.50	
					BASEPLATE	DIMENSI	ONS						
Max NEMA Frame	Baseplate Number	HA Max	НВ	HT Min	HD Max	HE	н	F	HG Max	нн	HL	HP	
184T	139	15.00	39.00	3.50	9.00	4.50	36.	50	3.75	0.75	4.50	1.25	
256T	148	18.00	48.00	3.50	10.50	6.00	45.	50	4.13	0.75	4.50	1.25	
326TS	153	21.00	53.00	3.50	12.88	7.50	50.5	50	4.75	0.75	4.50	1.25	

Medium and Large Pump End and Baseplate

	PUMP-END DIMENSIONS												
	Pump Size	ANSI Designation	Discharge	Suction	D	x	СР	E1	E2	F			
	3x2-8	A60	2.00	3.00	8.25	9.50	23.50	4.875	3.625	12.50			
MEDIUM	4x3-8	A70	3.00	4.00	8.25	11.00	23.50	4.875	3.625	12.50			
	4x3-8G	A70	3.00	4.00	8.25	11.00	23.50	4.875	3.625	12.50			
	2x1-10	A05	1.00	2.00	8.25	8.50	23.50	4.875	3.625	12.50			
	LF 2x1-10	A05	1.00	2.00	8.25	8.50	23.50	4.875	3.625	12.50			
	3x1.5-10	A50	1.50	3.00	8.25	8.50	23.50	4.875	3.625	12.50			
MEDIUM	3x2-10	A60	2.00	3.00	8.25	9.50	23.50	4.875	3.625	12.50			
OR	4x3-10	A70	3.00	4.00	8.25	11.00	23.50	4.875	3.625	12.50			
LANGE	6x4-10G	A80	4.00	6.00	10.00	13.50	23.50	4.875	3.625	12.50			
(LF 3x1.5-13	6x4-10H	A80	4.00	6.00	10.00	13.50	23.50	4.875	3.625	12.50			
large frame	3x1.5-13	A20	1.50	3.00	10.00	10.50	23.50	4.875	3.625	12.50			
only)	*LF 3x1.5-13	A20	1.50	3.00	10.00	10.50	23.50	4.875	3.625	12.50			
	3x2-13	A30	2.00	3.00	10.00	11.50	23.50	4.875	3.625	12.50			
	4x3-13	A40	3.00	4.00	10.00	12.50	23.50	4.875	3.625	12.50			
	6x4-13	A80	4.00	6.00	10.00	13.50	23.50	4.875	3.625	12.50			
				BASE	PLATE DIMENS	IONS							

Baseplate Number	HA Max	НВ	HT Min	HD Max (IF D = 8.25)	HD Max (IF D= 10.00)	HE	HF	HG Max	нн	HL	HP
245	15.00	45.00	3.50	12.00	13.75	4.50	42.50	3.75	0.75	4.50	1.25
252	18.00	52.00	3.50	12.38	14.13	6.00	49.50	4.13	0.75	4.50	1.25
258	21.00	58.00	3.50	13.00	14.75	7.50	55.50	4.75	1.00	4.50	1.25
264	21.00	64.00	3.50	13.88	14.75	7.50	61.50	4.75	1.00	4.50	1.25
268	26.00	68.00	3.50	14.88	14.88	9.50	65.50	4.75	1.00	4.50	1.25
280	26.00	80.00	3.50	15.88	15.88	9.50	77.50	4.75	1.00	4.50	1.25
	Baseplate 245 252 258 264 268 280	Baseplate Number HA Max 245 15.00 252 18.00 258 21.00 264 21.00 268 26.00 280 26.00	Baseplate Number HA Max HB 245 15.00 45.00 252 18.00 52.00 258 21.00 58.00 264 21.00 64.00 268 26.00 68.00 280 26.00 80.00	Baseplate Number HA Max HB HT Min 245 15.00 45.00 3.50 252 18.00 52.00 3.50 258 21.00 58.00 3.50 264 21.00 64.00 3.50 268 26.00 68.00 3.50 280 26.00 80.00 3.50	Baseplate Number HA Max HB HT Min HD Max (IFD=8.25) 245 15.00 45.00 3.50 12.00 252 18.00 52.00 3.50 12.38 258 21.00 58.00 3.50 13.00 264 21.00 64.00 3.50 13.88 268 26.00 68.00 3.50 14.88 280 26.00 80.00 3.50 15.88	Baseplate Number HA Max HB HT Min HD Max (IF D= 8.25) HD Max (IF D= 10.00) 245 15.00 45.00 3.50 12.00 13.75 252 18.00 52.00 3.50 12.38 14.13 258 21.00 58.00 3.50 13.00 14.75 264 21.00 64.00 3.50 13.88 14.75 268 26.00 68.00 3.50 14.88 14.88 280 26.00 80.00 3.50 15.88 15.88	Baseplate Number HA Max HB HT Min HD Max (IFD=8.25) HD Max (IFD=10.00) HE 245 15.00 45.00 3.50 12.00 13.75 4.50 252 18.00 52.00 3.50 12.38 14.13 6.00 258 21.00 58.00 3.50 13.00 14.75 7.50 264 21.00 64.00 3.50 13.88 14.75 7.50 268 26.00 68.00 3.50 14.88 14.88 9.50 280 26.00 80.00 3.50 15.88 15.88 9.50	Baseplate Number HA Max HB HT Min HD Max (IF D=8.25) HD Max (IF D=10.00) HE HF 245 15.00 45.00 3.50 12.00 13.75 4.50 42.50 252 18.00 52.00 3.50 12.38 14.13 6.00 49.50 258 21.00 58.00 3.50 13.00 14.75 7.50 55.50 264 21.00 64.00 3.50 13.88 14.75 7.50 61.50 268 26.00 68.00 3.50 14.88 14.88 9.50 65.50 280 26.00 80.00 3.50 15.88 15.88 9.50 77.50	Baseplate Number HA Max HB HT Min HD Max (IF D=8.25) HD Max (IF D=10.00) HE HF HG Max 245 15.00 45.00 3.50 12.00 13.75 4.50 42.50 3.75 252 18.00 52.00 3.50 12.38 14.13 6.00 49.50 4.13 258 21.00 58.00 3.50 13.00 14.75 7.50 55.50 4.75 264 21.00 64.00 3.50 13.88 14.75 7.50 61.50 4.75 264 26.00 68.00 3.50 14.88 14.88 9.50 65.50 4.75 268 26.00 68.00 3.50 15.88 15.88 9.50 77.50 4.75	Baseplate Number HA Max HB HT Min HD Max (IFD=8.25) HD Max (IFD=10.00) HE HF HG Max HH 245 15.00 45.00 3.50 12.00 13.75 4.50 42.50 3.75 0.75 252 18.00 52.00 3.50 12.38 14.13 6.00 49.50 4.13 0.75 258 21.00 58.00 3.50 13.00 14.75 7.50 55.50 4.75 1.00 264 21.00 64.00 3.50 13.88 14.75 7.50 61.50 4.75 1.00 264 26.00 68.00 3.50 14.88 14.88 9.50 65.50 4.75 1.00 280 26.00 80.00 3.50 15.88 15.88 9.50 77.50 4.75 1.00	Baseplate Number HA Max HB HT Min HD Max (IFD=8.25) HD Max (IFD=10.00) HE HF HG Max HH HL 245 15.00 45.00 3.50 12.00 13.75 4.50 42.50 3.75 0.75 4.50 252 18.00 52.00 3.50 12.38 14.13 6.00 49.50 4.13 0.75 4.50 258 21.00 58.00 3.50 13.00 14.75 7.50 55.50 4.75 1.00 4.50 264 21.00 64.00 3.50 13.88 14.75 7.50 61.50 4.75 1.00 4.50 264 21.00 64.00 3.50 14.88 14.88 9.50 65.50 4.75 1.00 4.50 268 26.00 68.00 3.50 15.88 15.88 9.50 77.50 4.75 1.00 4.50 280 26.00 80.00 3.50 15.88 15.88 9.

Note: Dimensions shown are based on the ASME B73.1 requirements. Contact the Griswold factory and/or distributor for exact construction dimensions. * Flange drilling is standard ANSI 150-lb, flat face. All LF pumps use 150-lb raised face flanges, except the LF 3x1.5-13, which uses 300-lb raised face flanges.



Extra Large Pump End and Baseplate

	PUMP-END DIMENSIONS												
	Pump Size	ANSI Designation	Dischar	ge Sucti	ion	D	x		СР	E1	E2	F	
	8x6-13	A90	6.00	8.0	0 14	4.50	16.00	0	33.875	8.00	4.50	18.75	
	10x8-13	A100	8.00	10.0	0 14	4.50	18.00	0	33.875	8.00	4.50	18.75	
	8x6-15	A110	6.00	8.0	0 14	4.50	18.00	0	33.875	8.00	4.50	18.75	
X-LARGE	10x8-15	A120	8.00	10.0	0 14	4.50	19.00	0	33.875	8.00	4.50	18.75	
	10x8-15G	A120	8.00	10.0	0 14	4.50	19.00	0	33.875	8.00	4.50	18.75	
	6x4-17	A105	4.00	6.0	0 14	4.50	50 16.00		33.875	8.00	4.50	18.75	
	8x6-17	A110	6.00	8.0	0 14	4.50	18.00	0	33.875	8.00	4.50	18.75	
	10x8-17	A120	8.00	10.0	0 14	4.50	19.00		33.875	8.00	4.50	18.75	
	10x8-16H	A120	8.00	10.0	0 14	1.50	19.00		33.875	8.00	4.50	18.75	
					BASEPLATE	DIMENSIC	ONS						
Max NEMA Frame	Baseplate Number	HA Max	НВ	HT Min	HD Max	HE		HF	HG Max	нн	HL	НР	
286T	368	26.00	68.00	5.00	19.25	9.50		65.5	4.75	1.00	6.50	1.25	
405T	380	26.00	80.00	5.00	19.25	9.50		77.5	4.75	1.00	6.50	1.25	
449T	398	26.00	98.00	5.00	19.25	9.50		95.5	4.75	1.00	6.50	1.25	

Note: Dimensions shown are based on the ASME B73.1 requirements. Contact the Griswold factory and/or distributor for exact construction dimensions. * Flange drilling is standard ANSI 150-lb, flat face. All LF pumps use 150-lb raised face flanges, except the LF 3x1.5-13, which uses 300-lb raised face flanges.



Where Innovation Flows



PSG 22069 Van Buren Street Grand Terrace, CA 92313-5607 USA P: +1 (909) 512-1262 • F: +1 (909) 783-3440 griswoldpump.com Authorized PSG Partner: