

# 811 ANSI Series

PARTS, MAINTENANCE AND INTERCHANGEABILITY



Where Innovation Flows

## Griswold 811 ANSI Series Parts, Maintenance and Interchangeability

Griswold will never compromise on quality. And thanks to our quality assurance programs that ensure parts are manufactured to the highest standards and within their engineered tolerances, each and every part is designed for performance, tested for reliability and inspected to guarantee consistency. With high-quality, genuine, certified parts, Griswold provides the confidence and reassurance users need to achieve maximum performance and reliability from their centrifugal pumps.

### Factory Certified, High-Quality Genuine Parts

- Supply Chain - Every Griswold component goes through a rigid Production Part Approval Process (PPAP) to ensure quality and pump reliability.
- Quality Manufacturing - Our facilities are ISO 9001/14001 compliant. State-of-the-art coordinate measuring machines and 3D scanning equipment ensure the highest level of part quality.
- Interchangeability - All of our parts – including the shafts, bearings and labyrinth oil seals – are completely interchangeable with over 600,000 other pumps already in use.
- 5-Year Warranty - To ensure quality and reliability, Griswold backs its 811 ANSI Series pumps and parts with a 5-year warranty against material and workmanship.

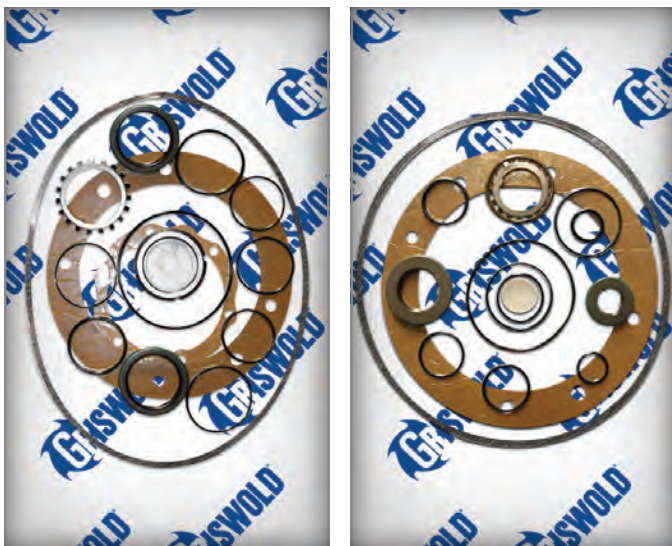
## Maintenance and Repair Kits

Always use authentic Griswold Maintenance Kits and Repair Kits when maintaining Griswold pumps to prolong optimal performance and preserve Griswold factory warranties. Containing only genuine Griswold parts, each kit has been designed to simplify ordering while streamlining maintenance and repair.

Model	Item Number	Kit Type
811S	RK-3196S	Repair Kit for 811S
	K-3196S-6	Maintenance Kit for 6" 811S
	K-3196S-8	Maintenance Kit for 8" 811S
811M	RK-3196M	Repair Kit for 811M
	K-3196M-6	Maintenance Kit for 6" 811M
	K-3196M-8	Maintenance Kit for 8" 811M
	K-3196M-10	Maintenance Kit for 10" 811M
	K-3196M-13	Maintenance Kit for 13" 811M
811L	RK-3196L	Repair Kit for 811L
	K-3196L-10	Maintenance Kit for 10" 811L
	K-3196L-13	Maintenance Kit for 13" 811L
811XL	RK-3196X	Repair Kit for 811XL
	K-3196XL-13	Maintenance Kit for 13" 811XL
	K-3196XL-15	Maintenance Kit for 15" 811XL
	K-3196XL-17	Maintenance Kit for 17" 811XL

**Maintenance Kit includes:** Casing Gasket, Frame to Adapter Gasket, Bearing Lockwasher, Impeller O-Ring, Bearing Housing O-Ring and Labyrinth Seal O-Rings

**Repair Kit includes:** Maintenance Kit items plus Lantern Ring, Thrust Bearing, Bearing Locknut, Radial Bearing and Bearing Housing Retaining Ring





## Pump Rotating Assemblies

Griswold rotating assemblies for the 811 ANSI Series come pre-assembled with the shaft, inboard and outboard bearing, bearing housing, labyrinth seals, and miscellaneous parts in one package. All components are inspected and assembled to strict OEM standards in a clean room to ensure long life and trouble-free operation. Bearings are installed utilizing bearing induction heaters, eliminating stress caused by pressing bearings on and off. Griswold rotating assemblies also allow power frames to be rebuilt with new components in less time. It only takes three bolts to remove and the old rotating assembly, which easily comes out to be replaced with a brand new rotating assembly.

Griswold rotating assemblies are available for 811S, 811M, 811L or 811XL power frames, with your choice of shaft configuration (sleeved design or solid shaft) and, of course, interchangeable with hundreds of thousands of pumps in use today.

## Materials of Construction

Model	Item Number	Construction
811S	24000-01-41A-RO	4140CS Shaft/316SS Sleeve
	24000-01-31A-RO	316SS Shaft/316SS Sleeve
	24000-02-31A-RO	Solid 316SS Shaft/No Sleeve
811M	24001-01-41A-RO	4140CS Shaft/316SS Sleeve
	24001-01-31A-RO	316SS Shaft/316SS Sleeve
	24001-02-31A-RO	Solid 316SS Shaft/No Sleeve
811L	24002-01-41A-RO	4140CS Shaft/316SS Sleeve
	24002-01-31A-RO	316SS Shaft/316SS Sleeve
	24002-02-31A-RO	Solid 316SS Shaft/No Sleeve
811XL (13, 15)	24003-01-41A-RO	4140CS Shaft/316SS Sleeve
	24003-01-31A-RO	316SS Shaft/316SS Sleeve
	24003-02-31A-RO	Solid 316SS Shaft/No Sleeve
811XL (17)	24606-01-41A-ROP	4140CS Shaft/316SS Sleeve (for Packing)
	24606-01-401A-ROM	4140CS Shaft/316SS Sleeve (for Mechanical Seals)
	24606-01-31A-ROP	316SS Shaft/316SS Sleeve (for Packing)
	24606-01-31A-ROM	316SS Shaft/316SS Sleeve (for Mechanical Seals)
	24606-02-31A-ROM	Solid 316SS Shaft/No Sleeve (for Mechanical Seals)

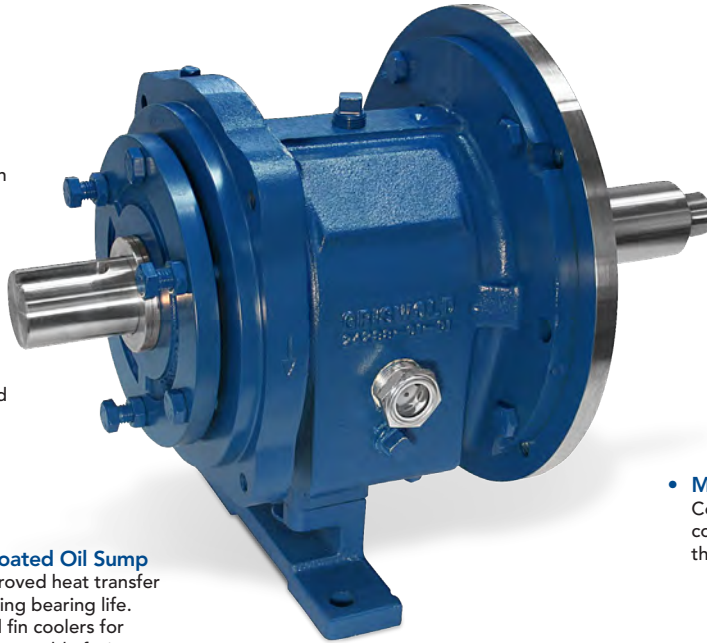
## Parts Included In Assemblies



PART	SM	MD	LG	XL
Thrust Bearing End Cover	✗	✗	✗	✓
Outboard Bearing	✓	✓	✓	✓
Shaft	✓	✓	✓	✓
Sleeve	✓	✓	✓	✓
Bearing Housing	✓	✓	✓	✓
Thrust Bearing Locknut	✓	✓	✓	✓
Inboard Bearing	✓	✓	✓	✓
Capscrews, Clamp Ring	✗	✗	✓	✗
Clamp Ring	✗	✗	✓	✗
Outboard Lab'y Seal INPRO	✓	✓	✓	✓
Inboard Lab'y Seal INPRO*	✓	✓	✓	✓
Gasket, Bearing-End Cover to Bearing Housing	✗	✗	✗	✓
Bearing Housing Retaining Ring	✓	✓	✗	✗
Bolts Bearing Housing - Frame	✓	✓	✓	✓
Bolts Bearing Housing Impeller Adjusting	✓	✓	✓	✓
Capscrew, Bearing-End Cover to Bearing Housing	✗	✗	✗	✓
Thrust Bearing Lockwasher	✓	✓	✓	✓
Coupling Key	✓	✓	✓	✓
Bearing Housing Hex Jam Nut	✓	✓	✓	✓
Bearing Housing O-Ring	✓	✓	✓	✓
Oil Mist Connection Plug	✗	✗	✗	✓

# Pump Power Frames

Griswold 811 ANSI Series power frames are your cost-effective solution to getting a completely new frame for what it might cost you to put new parts into your old frame. And best of all, Griswold backs our 811 ANSI Series power frames with a 5-year warranty against material and workmanship from the date of manufacture. These 811 ANSI Series power frames feature larger shafts for improved pump reliability, bearings designed for long life, and many other design features.



- External Clearance Adjustment**  
 Designed to maintain original flow, pressure and efficiency, minimizing energy consumption and repairs while extending mean time between repairs (MTBR).

- Over-Sized Fill Plug**  
 Extra-large NPT oil fill plug provided to simplify the lubrication process.

- 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.

- Monitoring Locations**  
 Each power frame is machined with condition monitoring sites for consistent monitoring of vibration and temperature.

- Heavy-Duty Shaft and Bearings**  
 Engineered to minimize vibration and shaft deflection (less than 0.002" per ANSI/ASME B73.1) to optimize pump life. Sleeved and solid shaft available in a variety of materials. Bearings sized for 10-year life expectancy under tough operating conditions.

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

- Magnetic Drain Plug**  
 Collects damaging metallic contaminants away from the bearings.

- Large 1" Sight Glass**  
 The large, reflective sight glass simplifies the job of monitoring the oil condition and level to ensure proper lubrication. Bottle oiler available as an option.

## Power Frame Item Number Designation

# PF

POWER FRAME

FRAME SIZE

- S** = Small Power Frame
- M** = Medium Power Frame
- MA** = Medium Power Frame (8.25" C-L)
- MB** = Medium Power Frame (10.00" C-L)
- L** = Large Power Frame
- LA** = Large Power Frame (8.25" C-L)
- LB** = Large Power Frame (1.00" C-L)0
- X13 | 15** = X-Large Power Frame (13" or 15")
- X17** = X-Large Power Frame (17")

ADAPTER SIZE

- N** = No Adapter
- 06** = 6" Adapter
- 08** = 8" Adapter
- 10** = 10" Adapter
- 13** = 13" Adapter
- 15** = 15" Adapter
- 17** = 17" Adapter

SHAFT MATERIAL

- C** = 4140 Carbon Steel
- S** = 316 Stainless Steel

SLEEVE MATERIAL

- N** = None (Solid Shaft)
- S** = 316 Stainless Steel
- SP** = 316 Stainless Steel (17" Packing)
- SM** = 316 Stainless Steel (17" Mech Seal)
- 2** = Alloy 20
- 2P** = Alloy 20 (17" Packing)
- 2M** = Alloy 20 (17" Mech Seal)

# SB

STANDARD OIL BEARINGS  
BRONZE LABYRINTH SEAL

**EXAMPLE: PF MA - 10 - C S - SB**





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