

Pumps

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Jabsco 2" Pump

Jabsco's 2" pump is designed specifically for farm pick-ups that haul milk and are equipped with a remote drive. The pump body and shaft are made of 316 Stainless Steel, the impeller is Neoprene based, the shaft seal is sanitary carbon face, the ports consist of two inch ACME threads and 2" clamp, and the weight is approximately 34 pounds. Below is a sample list of available replacement parts. **To view a full parts breakout refer to the appendix.**

| Part# | Description |
|---------------|----------------------|
| JAB07866-0000 | Collar |
| JAB08984-0005 | Impeller |
| JAB09023-0000 | Seal Assembly |
| JAB10345-0001 | End Plate |
| JAB10346-0020 | Wear Plate |
| JAB12927-0000 | Clamp Frame |
| JAB18023-0000 | Pump Shaft |
| JAB18024-0000 | Clamp Screw |
| JAB18726-0000 | Small Retaining Ring |
| JAB18753-0007 | Bearing/Pier |
| JAB91701-2830 | Large Retaining Ring |
| JAB92000-0030 | O-Ring |
| JAB92702-0780 | Bearing Seal |



For a full parts breakout refer to **Appendix F-4**

Jabsco 2-1/2" 130 GPM Pump

This product is specifically designed for farm pick-up milk tanker trucks. Jabsco pumps are also available as pedestal mounted or close-coupled units with capacities to 100 GPM for other sanitary applications.

Body: Type 316 Stainless Steel
Impeller: Jabsco Sanitary Neoprene Compound
Seal: Sanitary Mechanical
Bearings: Ball/Roller Bearings
Shaft: Type 316 Stainless Steel
Ports: 2-1/2" Acme Threads
Weight: 50 lb (23 kg) Approximately



| Part# | Description |
|---------------|----------------------|
| JAB08500-0005 | Impeller |
| JAB0R137 | O-Ring for C. Seal |
| JAB21908-0001 | Clamp Screw |
| JAB21909-0001 | Clamp Frame |
| JAB22044-2001 | Shaft Retaining Ring |
| JAB22644-6000 | Seal Assembly |
| JAB91700-2870 | Small Retaining Ring |
| JAB91701-4391 | Large Retaining |
| JAB92000-1213 | O-Ring |
| JAB92601-0450 | Rear Ball Bearing |
| JAB92601-0460 | Front Bearing |
| JAB92701-0880 | Bearing Seal |

For a full parts breakout refer to **Appendix F-5**

Viking/Johnson Pump

Replacement parts for stainless steel, food grade, dual lobe pump for transfer of sanitary goods.

For a full parts breakout refer to **Appendix F-1 & F-2**

| Part# | Description |
|------------------------|------------------------|
| VIKB34-2819-06 | Relief Valve Diaphragm |
| VIKZ094-6031-0A | Rotor Shaft O-Ring |
| VIKZ94-6227-0A | O-Ring |
| VIKZ94-6236-02 | Relief Valve O-Ring |
| VIKZ94-6270-0A | Pump Cover O-Ring |
| VIKZ94-6332-0A | O-Ring |
| VIKZ94-6044-02 | O-Ring |

| Part# | Description |
|---------------------|---------------------|
| WAU000030009 | Pump Grease Seal |
| WAU000030011 | Pump Oil Seal |
| WAU000030012 | Pump Oil Seal |
| WAU060036000 | Pump Front Bearing |
| WAU060052001 | Pump Rotor Jam Nut |
| WAU105852 | Pump Wing Nut |
| WAU107186 | Pump Rear Bearing |
| WAU107188 | Bearing Kit |
| WAU41013 | Plastic Pump Plug |
| WAUBD0092000 | Pump Grease Fitting |
| WAUN50338 | Pump O-Ring |
| WAUN70131 | Pump O-Ring |
| WAUN70272 | Pump Cover O-Ring |
| WAUN70331 | Pump O-Ring |
| WAUSTD136009 | Pump Lock Washer |

Waukesha 130 Pump

316 stainless steel pump body and cover, with heavy duty 316 shafts. Exclusive, non-galling Waukesha "88" alloy rotors with tighter clearances handle a wider range of viscosities effectively. Pressure capability~200 PSI/13.8 Bar. For more info contact DBL.

For a full parts breakout refer to **Appendix F-3**



Flowtech Uni-Bloc 551

3A Sanitary stainless steel food grade pump. Top wing style impellers constructed to handle a wide variety of products.



| Part# | Description |
|-------------------|------------------------|
| FLO4130-N | Rear Oil Seal |
| FLO4135-N | Front Oil Seal |
| FLO4232-E | Rotor Bolt O-Ring |
| FLO4233-E | Rotor Shaft O-Ring |
| FLO4235-E | Cover O-ring |
| FLO4238-NQ | Lip Seal Quad Rings |
| FLO4239-N | Gear Cover O-Ring |
| FLO5272 | Double O-Ring Lip Seal |

For a full parts breakout refer to **Appendix F-6 thru F-8**

| Part# | Description |
|-------------------|----------------------|
| ROPD11-332 | Gasket |
| ROPD11-333 | Flanged Gasket |
| ROPD11-338 | Oval Case Gasket |
| ROPD11-90 | Flange Gasket |
| ROPN43-1 | Pump Shaft Packing |
| ROPN43-1GF | Graphite Packing Set |

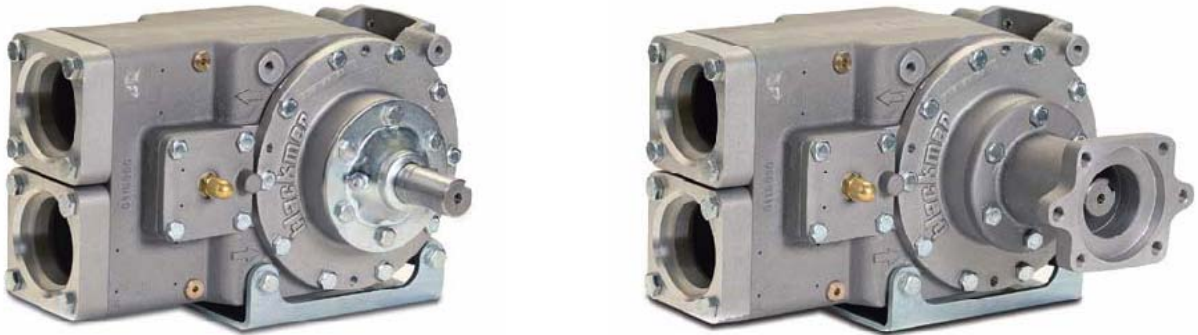
For a full parts breakout refer to **Appendix F-39**

Ranger 11, 17, 22 Series Pumps, Roper 3622



Carbon steel construction, gear style pump for use with a wide of variety of products. From asphalt to petroleum, this pump can handle your needs.

Blackmer ATX Aluminum Series Pump
Rotary Vane Pumps For Tank Trucks and Transports



Design Features

Weighing 100 lbs. (45 kgs.) the aluminum ATX pump is ideal for light, clean, non-corrosive fluids compatible with aluminum. The light-weight transport pump works on most petroleum applications. Pump construction consists of grease lubricated ball bearings, Blackmer cartridge mechanical seals, Duravanes, hardened steel drive shaft with ductile iron rotor and cast iron liner and end discs.

Performance Capabilities

Speeds up to 1,000 rpm
Delivers up to 300 GPM (1,135 lpm)
Maximum viscosity of 300 SSU (63 cSt)
Operating Temperatures of 240°F (115°C)
Parallel ports for easy piping
Drain/Gauge Plugs

Options

Pipe Flanges: 3" (80 mm) socket
weld - aluminum or steel
Three Mounting Bracket Positions
Pneumatic actuated relief valve assembly
Hydraulic Drive Option

Reduced Life Cycle Costs

The ATX series combines Blackmer's proven sliding vane technology with a replaceable cast iron liner and end discs for maximum pump performance and reduced life cycle costs.

Parts breakout
Appendix F-25 thru F-28

Blackmer TXV Series Pump

High Temperature, Rotary Vane Pumps for Asphalts and Viscous Fluids



Design

Blackmer TXV pumps provide high volume, low speed transfer of clean fluids compatible with a cast iron construction. For fluids that do not work well with mechanical seals, a TXV pump is the answer. They are well suited for thick, viscous fluids that can solidify when exposed to the air. The TXV pump models are available in 2" and 3" port sizes. Standard construction includes a special open rotor design that offers easy flushing, bronze vanes, FKM elastomers, PTFE lip seals, high temperature grease lubricated ball bearings isolated from the pumpage and high temperature gasket materials. The TXV pump delivers more fluid per revolution than comparably ported gear pumps. And slower operating speeds mean longer service life and reduced maintenance requirements. The TXV's internal relief valve protects the pump from build-up.

High Viscosity

TXV pumps are ideal for handling viscous or shear sensitive fluids. The key to the TXV series' versatility is Blackmer's unique sliding vane rotor design that provides sustained, high level performance over a wide viscosity range. Slow operating speeds and non-pulsating flow minimizes shear and agitation of the fluid. Optional Heating Jackets are available if required.

Self-Priming and Dry Run Capability

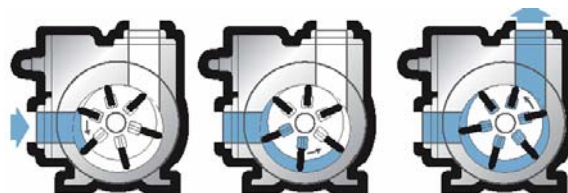
TXV pumps are self-priming, and the self-adjusting vanes help maintain this capability. TXV pumps can run dry for short periods of time for priming.

Application

Typical applications for the TXV pumps include: asphalts, greases, lube oils, resins, molasses, bunkered fuels, inks, and adhesives.

Parts breakout
Appendix F-31 thru F-34

How Blackmer's sliding vane action works



Blackmer STX3 Stainless Steel Transport Pump



Stainless Steel Construction

Blackmer's STX3 is designed to meet a wide range of corrosive and non-corrosive fluids for common carriers. Standard construction: 316 stainless steel with external ball bearings, non-metallic Duravanes, PTFE elastomers, Blackmer chemical mechanical seals. See Typical Applications List.

Fast Off-Loading

The STX3 offers flow rates up to 250 GPM (946 LPM) with differential pressures up to 125 PSI (8.6 bar or 862 kPa) and maximum speed of 800 RPM. A typical 6,000 gallon (22,700 liter) tanker can be off-loaded as quick as 24 minutes.

Dry Run Capability

Blackmer's non-metallic vanes self-compensate for wear and allow the STX3 to run dry for short periods of time for self-priming and blowing lines clean, with-out pump damage.

Easy Maintenance

Internal wear is limited almost completely to the sliding-vanes, which can be replaced with ordinary metric hand tools.

Typical Applications

Solvents
Chemicals
Chlorides
Sulfates
Vegetable oils
Urea
Many acids

Unique Features

316 Stainless Steel
Self-Priming
Line Clearing
Ball Bearing Construction
Chemical Mechanical Seals
Adjustable Relief Valve
Versatile Mounting Bracket

Blackmer Transmax Transport Pump Model TX206A



PTO Drive



Hydraulic Drive

Design

The unique open rotor design makes the Transmax highly versatile. The sliding vane design provides sustained high-performance capabilities including self-priming and line clearing.

Application

The TX206A is capable of pumping thin to thick liquids from 30 to 50,000 ssu (7 to 10,500 cp) with sustained performance at rated P.T.O. speeds, maximum 800 rpm.

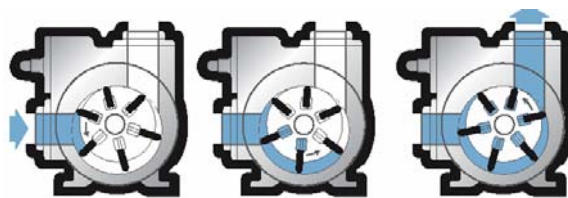
Benefit

The Transmax is self-priming and capable of line clearing; these benefits are not found with existing gear pumps. Also, the Transmax is specifically designed for easy cleaning. Multiple drain ports allow for proper flushing in a variety of mounting positions.

Hydraulic Drive Options

Blackmer offers fully-integrated hydraulic drive systems including pumps, motors, close coupled hydraulic motor adapters, control valves, P.T.O.'s and coolers.

How Blackmer's sliding vane action works



Also available:
Replacement Parts For Blackmer Transmax Transport Pump Model TX400
Call DBL for more information

Replacement parts for TX206 and TX400
Appendix F-35 thru F-38

Blackmer TXD Series Pumps

| Part# | Description |
|---------------|-------------------------------|
| BLA031425 | Pump Head |
| BLA041431 | Bearing Cover Head |
| BLA091619 | Vanes |
| BLA121607 | Push Rod |
| BLA221665 | Dual Rotor |
| BLA317815 | Grease Fitting |
| BLA331601 | Seal Assembly |
| BLA331918 | Grease Seal |
| BLA341601 | Shaft Cover |
| BLA381403 | Flanged Gasket |
| BLA383940 | Bearing Cover Gasket |
| BLA531603 | Bypass Gasket |
| BLA651603 | 2-1/2" X 2" Flange |
| BLA651611 | 2-1/2" Flange |
| BLA701480 | Dirt Shield |
| BLA701947 | Head Seal Ring |
| BLA701992 | Grease Relief Fitting |
| BLA740057 | Strainer |
| BLA740058 | T-Strainer |
| BLA871180 | Air Diaphragm Kit |
| BLA891696 | Air Bypass |
| BLA898951 | Pump Kit |
| BLA903156 | Bearing |
| BLATXD2-1/2AV | Blackmer Pump With Air Bypass |

Example of replacement parts. For a full breakdown on different size pumps, please refer to **Appendix F-19 thru F-24**



Reliability

Durable pumps for fast and quiet operation. Sliding-vane design provides sustained performance and trouble free operation.

Unique Features

Adjustable relief valve protects pump from excessive pressure. Optional air operated diaphragm relief valve offers easy hose and nozzle handling. T-Type strainers are available to protect pumping systems from damage caused by welding slag and foreign matter in the piping and tanks.

Sizing Options

Available in 1.5, 2, 2.5, 3, and 4 inch port sizes with flow rates from 10 to 500 U.S. gallons (2 to 113 m³/H) and pressures up to 125 PSI (8.6 bar).

Applications

Fuel oil delivery truck, fleet refueling, lube oil, aviation refuelers, transports of petro chemical, gasoline, solvents, and many more.

DRUM SSC150 Liquid Pump

The SSC150 Chemical Pump is engineered for product transfer of chemical and pharmaceutical products from tank trailers. This pump is specifically designed for applications where corrosion resistance and product cleanliness is important. The quick strip, easy clean design promotes ease of maintenance, and assures contamination free product delivery. The SSC150 is ideal for pumping thin, non-lubricating, abrasive, and thick liquids.

Please refer to **Appendix F-41 thru F-45**



| Part# | Description |
|---------------------|------------------------------|
| DRU512161201 | Lip Seal Assembly Repair Kit |
| DRU522030200 | Front Cover O-Ring |
| DRU522020200 | Rotor O-Ring |
| DRU516070249 | Shim Set (Arch) |
| DRU170412250 | Stud |
| DRU518090200 | O-Ring (Shim Retainer) |
| DRU513002202 | Sealed Machined Assembly |
| DRU307058203 | Sight Glass |

DRUM 2000 Liquid Pump

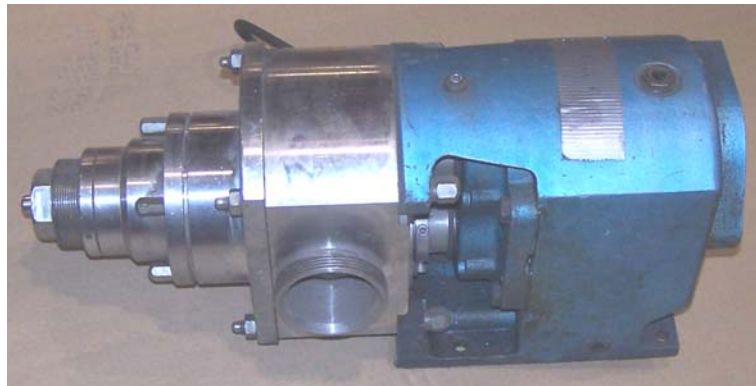
The FP2000 food grade pump is specifically designed for the transfer of liquid food products from tank trailers. The quick strip design and frontloading o-ring seals provide easy cleaning and maintenance. The non-contacting rotors are highly reliable and assure contamination free product delivery with flows up to 232 gallons per minute. The new compact design provides a lighter pump with greater pressure capabilities and long seal life. Improved rotor profile ensures quiet, pulse-less flow and resists cavitations.

Please refer to **Appendix F-9** for parts breakout and replacement parts

| Part# | Description |
|---------------------|------------------------|
| DRU190012200 | Front Cover Hex Nut |
| DRU510001200 | Front Bearing |
| DRU516072229 | Shim Kit |
| DRU522001226 | Nitrile O-Ring |
| DRU522001227 | Nitrile O-Ring |
| DRU522001228 | Nitrile O-Ring |
| DRU526151201 | Gear Case Gasket |
| DRU530051200 | Rotor Nut |
| DRU512010218 | Nitrile Oil Seal (Lip) |
| DRU518080202 | Seal |
| DRU522001205 | O-Ring Seal NBR |



DRUM 2130 Liquid Pump



| Part# | Description |
|--------------|--|
| DRU512050201 | Rear Oil Seal (Nitrile) |
| DRU512050200 | Front Oil Seal (Viton) |
| DRU513000200 | Mechanical Seal Assembly-Silicon & Carbide |
| DRU513002200 | Mechanical Seal Assembly-Stainless & Carbide |
| DRU307058203 | Oil Sight Glass with Washer |
| DRU522000205 | Front Cover O-Ring |
| DRU522000211 | Rotor/Shaft O-Ring NBR |
| DRU522001202 | O-Ring |
| DRU522001203 | O-Ring |
| DRU522001204 | O-Ring |
| DRU522001205 | O-Ring |
| DRU522001209 | O-Ring |
| DRU518061200 | Right Hand Rotor Nut with Screw |
| DRU518061201 | Left Hand Rotor Nut with Screw |
| DRU513043200 | Glands/Food (4 Teflon) Non-Lube |
| DRU513043201 | Glands/Food (4 Teflon) Lube |
| DRU513030203 | Seal U Ring 2000 Thrower Ring |
| DRU518001200 | Bearing Strip Retainer |
| DRU522000210 | Rotor Nut O-Ring |
| DRU510001200 | Front Bearing |
| DRU190012200 | Front Cover Hex Nut |
| DRU170412250 | 12MM Stud with Clip |
| DRU510003201 | Roller Bearing (Complete) |
| DRU512010201 | Oil Seal/Front Lip Seal (Nitrile) |
| DRU512010202 | Rear Lip Seal |
| DRU516041203 | Sleeve, Double O-Ring (set screws included) |
| DRU516070222 | Shims, Bearing Retainer |
| DRU516070223 | Shim Set (Arch) |
| DRU513132200 | Relief Valve Diaphragm |
| DRU513090201 | O-Ring Seal (Double) Complete |

The Drum 2130 has been discontinued but replacement parts are still available. Listed is an example of potential replacement parts. Please call for availability, for some of these parts may be discontinued at anytime.

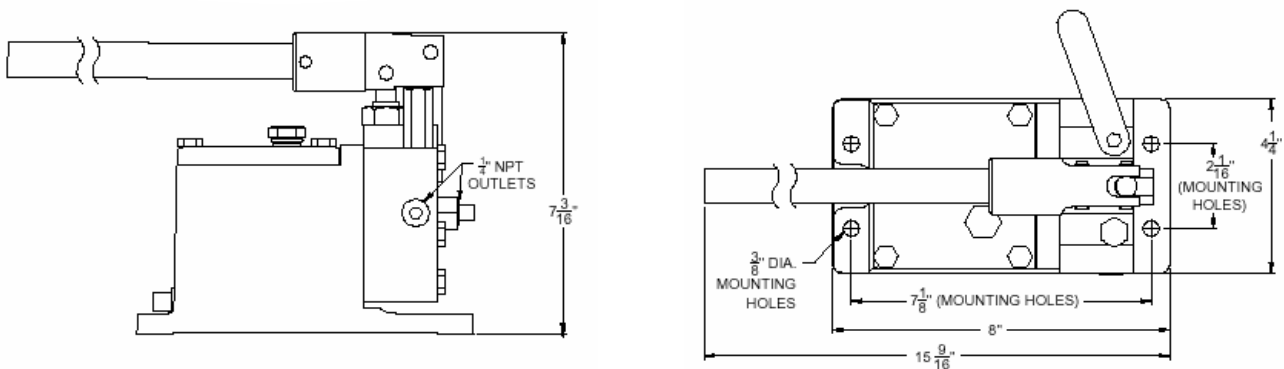
Please reference **Appendix F-13** for a full parts breakout.

Betts Hydraulic Pump
Stainless Steel Valve Block and Internal Components
Horizontal or Vertical Mounting
Replaceable Pump Head
Tamper Resistant Pressure Relief
Front and Side Outlet Ports

The new **Betts Hydraulic Pump HP46982SL** is designed as a corrosion resistant, reliable hydraulic pump for use with any Betts hydraulically operated valve or vent. The pump head and internal parts are made of corrosion resistant stainless steel. The reservoir is made of cast iron with a durable powder coating. The pump head can be replaced without unbolting the reservoir from its mounting.

¼ NPT Hydraulic connections are conveniently located at both the front of the pump and on the right side. A drain plug allows the reservoir to be drained without unbolting the pump. Pump can be mounted horizontally or vertically with outlet end down.

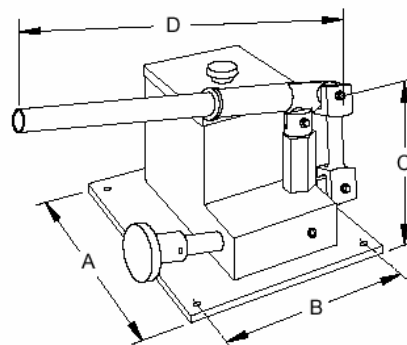
Parts breakout **Appendix F-53**



Betts Sliding Valve Hydraulic Pump

This hydraulic pump is an integral part of the hydraulic gate valve system. The pump is designed to prevent damage to the valve or hydraulic line from over-pressurization. If the pump is used to operate more than one valve, use **Distributor No. 16283** for individual valve control.

Parts breakout **Appendix F-54**



| A | B | C | D |
|--------|-------|---|--------|
| 8" Sq. | 6 5/8 | 7 | 14 1/2 |

Having Pump Problems?



Whether you need pump parts or the pump needs fixed on your trailer, DBL is your one stop location for all your pump needs to keep your equipment and company up and running.

For more information call DBL today
1-877-DBL-TANK
or email us
dbltank@dbltank.com