Please read and save this Repair Parts Manual. Read this manual and the General Operating Instructions carefully before attempting to assemble, install, operate or maintain the product described. Protect yourself and others by observing all safety information. The Safety Instructions are contained in the General Operating Instructions. Failure to comply with the safety instructions accompanying this product could result in personal injury and/or property damage! Retain instructions for future reference.

SHERTECH® NSF Commercial-Duty Filter and Rendering Close-Coupled Roller Pumps

Refer to form L-4082 for General Operating and Safety Instructions.

Description

Shertech self-priming, positive displacement, Teflon® roller pumps feature cast-iron construction for high temperature use. This series of pumps is designed for hot oil or frying oil filtration up to 375° F., meeting NSF-listing requirements. The non-clogging Teflon® roller design can pass limited particulates and reduce oil shear, increasing oil life. Pumps are configured with motors specifically for hot oil filtration applications where oil is heated prior to pumping and discharge pressure limitations do not exceed 40 PSI. They provide a nearly pulseless flow in applications where non-particulate and non-abrasive fluids are pumped. Not for use with water-based fluids. AC ODP single-phase motors have thermal overload protection. Complete package is easy to install.

Uses: Ideal for a wide range of commercial fat fryer hot oil cooking, filtering, or waste oil rendering applications. This pump can also be used in non-NSF hot oil applications with non-particulate and non-abrasive fluids compatible with pump wet-end construction component materials.

- Pumps meet NSF-listed standards including NSF-accepted paint for hot oil cooking applications.
- Pumps can operate bi-directionally.
- Pressures to 40 PSI with configured motors.
- Flows to 8.2 GPM.
- Operating temperatures to 375° F.
- Maximum viscosity of 50 SSU and maximum specific gravity of 1.0 with configured motors.
- Suction lift capabilities up to 7.5 feet of head.
- Maximum RPM: 1725.
- Port size: 1/2 3/4" (ports can be rotated vertically or horizontally).
- ODP single-phase 56C frame motors with 1/3, 1/2 and 3/4 HP

CAST IRON ROLLER PUMPS (COMMERCIAL-DUTY) – Unlike traditional pumps, roller pumps feature a non-clogging design that passes small non-abrasive particulates without shearing oil. Heavy-duty steel rotor with long life rollers provides strong pumping action from 3.8 to 8.2 GPM. Pumps are direct-coupled to custom 56C frame, ODP single-phase motors. Wet-end parts are constructed from cast iron, steel, 303 stainless steel, carbon, ceramic, Teflon®, and Viton.

WARNING: Do not use to pump flammable or explosive fluids such as gasoline, fuel oil, kerosene, etc. Do not use in flammable and/or explosive atmospheres. When pumping hazardous or dangerous materials, use only in room or area designated for that purpose. For your protection, always wear proper clothing, eye protection, etc. in case of any malfunction. For proper handling techniques and cautions, contact your chemical supplier, insurance company and local agencies (fire dept., etc.). Failure to comply with this warning could result in personal injury and/or property damage.

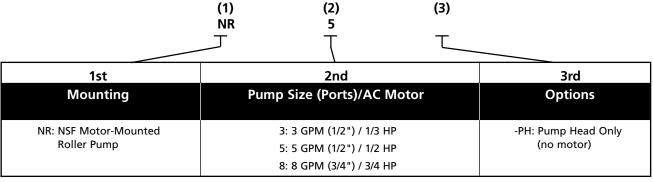


SHERTECH® NSF Commercial-Duty Filter and Rendering Close-Coupled Roller Pumps

Model Ordering Codes and Options



Example Model: NR5



NOTE: Not all order code combinations (configurations) are standard models available from the manufacturer. Custom model configurations may require ordering standard components and/or optional parts that will need to be assembled by the customer.

Manufacturer reserves the right to change model order codes, standard models, specifications, and performance without notification.

The pump is made out of cast iron with Viton seals and Teflon® rollers.

Maximum motor speed is 1725 RPM.

Cast iron is not for use with water-based fluids.

Performance

			Max. Input		300° F					
Models	Port Size*	RPM	Torque inlbs.	Suction Lift (ft)**	Free Flow	10 PSI	20 PSI	30 PSI	40 PSI***	
Pumps w	ith Motors								_	
NR3	1/2"	1725	46	5.6	3.80	3.70	3.60	3.50	3.40	
NR5	1/2"	1725	64	6.8	5.80	5.65	5.50	5.30	5.15	
NR8	3/4"	1725	90	7.5	8.20	8.00	7.80	7.60	7.40	
Pumps without Motors										
NR3-PH	1/2"	1725	46	5.6	3.80	3.70	3.60	3.50	3.40	
NR5-PH	1/2"	1725	64	6.8	5.80	5.65	5.50	5.30	5.15	
NR8-PH	3/4"	1725	90	7.5	8.20	8.00	7.80	7.60	7.40	

Test data taken on cooking oil at 300° F.

Performance in water will decrease by about 10%, and HP required will also be reduced by 10%. (Don't use water with Cast Iron.) Pump performance when pump is new. As pump wears, the performance will decrease.

(*) Female NPT inlet and outlet (in inches).

(**) Suction lift requires wetted rollers and primed seal chamber.

(***) Max. PSI = 40 based on HP of motors supplied (rating may vary based on application; check motor amps on start-up).

NOTES: Pumps with motors are HP rated to handle up to 50 SSU at 40 PSI and specific gravity of 1.0.

Max. Viscosity = 50 SSU at 1725 RPM with the motor supplied.

Max. Input Torque = See chart above.

Max. RPM = 1725

Max. Specific Gravity = 1.0 at 40 PSI, up to 1.6 at lower PSI & viscosity.

Reverse Rotation = Pumps can be run in reverse rotation. If a separate pressure relief valve is used, it will only function if installed on the discharge side of the pump.

Manufacturer reserves the right to change performance without notification.



SHERTECH® NSF Commercial-Duty Filter and Rendering Close-Coupled Roller Pumps

Specifications

Model	Motoi HP		NEMA Frame	Motor Voltage			Thermal*** Overload Protection	Motor	Hz	Motor Shaft**	Inlet &	Body Cover 8		Wet End) Seals & O-rings*	Ship Wt. (lbs.)
Models with Motors															
NR3	1/3	ODP	56C	115/230	6.2/3.1	1	Yes	1725	60	303 SS	1/2"	CI	Teflon®	Viton	23.7
NR5	1/2	ODP	56C	115/230	8.8/4.4	1	Yes	1725	60	303 SS	1/2"	CI	Teflon®	Viton	28.4
NR8	3/4	ODP	56C	115/230	10.8/5.4	. 1	Yes	1725	60	303 SS	3/4"	CI	Teflon®	Viton	33.0
Models without Motors															
NR3-PH	l -	-	-	-	-	-	-	-	-	-	1/2"	CI	Teflon®	Viton	6.1
NR5-PH	l -	-	-	-	-	-	-	-	-	-	1/2"	CI	Teflon®	Viton	7.7
NR8-PH	l -	-	-	-	-	-	-	-	-	-	3/4"	CI	Teflon®	Viton	9.1

SS = Stainless Steel CI = Cast Iron ODP = Open Drip-Proof

NOTES: Driver data is subject to change without notice; see label on driver for specifications and wiring information.

All dimensions in inches unless otherwise specified.

Manufacturer reserves the right to change specifications without notification.

^(*) Standard Shaft Seals have carbon on ceramic faces and 18-8 SS components.

^(**) Motor Shaft is pump shaft

^(***) Manual or Automatic (check motor supplied).

Dimensions

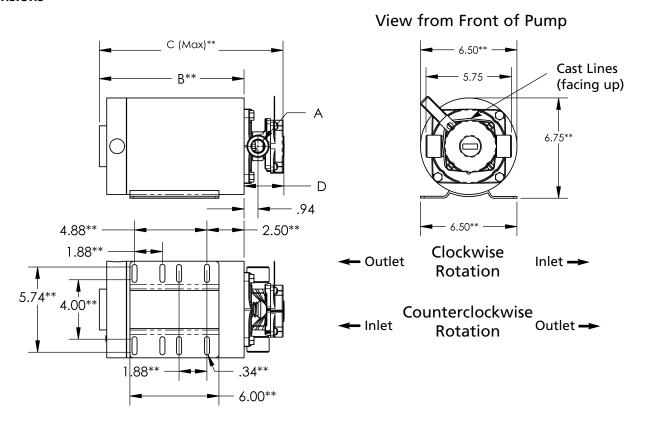


Figure 1 — Dimensions

Dimensions

	Port	Dimensions (in inches)	
Model	A*	B**	C**	D
Models with Motors				
NR3	1/2	9	11.57	2.57
NR5	1/2	9	11.69	2.69
NR8	3/4	9	11.88	2.88
Models without Motors				
NR3-PH	1/2	-	-	2.57
NR5-PH	1/2	-	-	2.69
NR8-PH	3/4	-	-	2.88

^(*) Female NPT inlet and outlet (in inches).

NOTE: Dimensions have a tolerance of (+ or -) 1/8".

Manufacturer reserves the right to change dimensions without notification.

All dimensions in inches unless otherwise specified.



^(**) This dimension may vary due to motor manufacturer's specifications.

SHERTECH NSF Commercial-Duty Filter and Rendering Close-Coupled Roller Pumps

AWARNING Check motor.

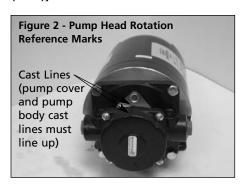
It may be equipped

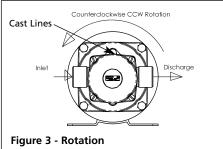
with an automatic resetting thermal protector and may restart unexpectedly (see specifications chart). Protector tripping is an indication of motor overloading as a result of operating the pump at too high a pressure (over 40 PSI), too high of viscosity, too high of specific gravity, excessively high or low voltage, inadequate wiring, incorrect motor connections, too small a motor (sized incorrectly, not enough HP), or a defective motor or pump.

Do not handle pump with wet hands or when standing in water. Failure to follow the General Safety Information and all warnings could result in fatal electrical shock!

Installation

Rotation: Roller pumps may be run in either direction depending upon the requirements. To identify proper rotation, the casting marks on the pump cover and the pump body must line up with one another and be identified (See Figure 2). The rotation of the motor as viewed from the shaft end [clockwise (CW) or counterclockwise (CCW)] determines the direction of flow





from the pump. For clockwise (CW) rotation, the flow is from right to left. For counterclockwise (CCW) rotation, the flow is reversed (See Figure 3).

NOTE: Pump can be rotated at 90° increments for a vertical up, vertical down, or rotation horizontal flow direction of 180°. This direction of flow is based on the pump being mounted in the horizontal "up" condition. This can be determined by ensuring the two cast lines are on top and aligned between the pump cover and the pump body (See Figure 2).

IMPORTANT: In any installations where property damage and/or personal injury can occur when the pump is not operating due to power outages, discharge line freezing, or any other reason, a back-up system(s) and/or warning system(s) should be used. In order to safely use this product, familiarize yourself with this pump and also with the liquid (chemical, etc.) that is going to be pumped through the unit. This pump is not suitable for many liquids.

1. Locate the pump as close to the liquid source as possible, making the suction line as short and direct as possible.

Ambient **A** CAUTION temperature around motor should not exceed 104°F (40°C).

- 2. Open drip-proof motors are designed to be used in clean, dry locations with access to an adequate supply of cooling air.
- 3. For outdoor installations, the motor must be protected by a cover that does not block air flow to and around the motor.
- 4. The motor should be securely fastened to a rigid surface, preferably metallic. For rigidity, use largest bolts that will fit through the base holes.

≜WARNING

Do not use to pump flammable or

explosive fluids such as gasoline, fuel oil, kerosene, etc. Do not use in flammable and/or explosive atmospheres. When pumping hazardous or dangerous materials, use only in room or area designated for

For your protection, always wear proper clothing, eye protection, etc. in case of any malfunction. For proper handling techniques and cautions, contact your chemical supplier, insurance company and local agencies (fire dept., etc.). Failure to comply with this warning could result in personal injury and/or property damage.

PIPING

SUCTION

- 1. Avoid excessive lengths or number of fittings and bends in the suction line.
- 2. Attach suction line to suction inlet.
- 3. It is recommended that same size pipe as pump ports be used or, in cases requiring lengthy piping, the next larger size pipe be used.
- 4. If suction lift is greater than what is indicated in the performance chart, attach a foot valve below liquid level at end of suction line to ensure positive priming. Also note: If fluid specific gravity is greater than 1.0 or viscosity greater than 50 SSU, a foot valve is also recommended.
- 5. If solid contaminates are suspected in a liquid, place a filter in the suction line.
- 6. Be certain all suction piping connections are airtight.

NOTE: Assure airtight pipe connections with the use of a pipe joint sealant.

DISCHARGE

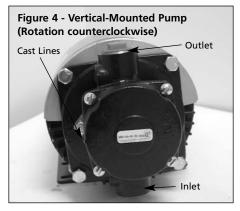
1. Attach discharge piping to the discharge outlet.

▲WARNING

Support pump and piping during assem-

bly and after installation. Failure to do so may cause piping to break, pump to fail, motor bearing failures, etc. all of which can result in property damage and/or personal injury.

NOTE: Should the pump need to be self-draining, the pump head should be mounted in the vertical position with the suction port facing down (See Figure 4).



When pumping high viscosity fluids, the vertical position can be used with the suction port facing up and the pump mounted under the source (See Figure 4, but rotate pump in clockwise direction or rotate pump 180°). Increasing the suction pipe size and eliminating bends and elbows also assists in pumping high viscosity fluids. Max. viscosity is 50 SSU at 1725 RPM.

 If a shut-off valve or handgun is required in discharge line, provide a pressure relief valve for pump protection.

AWARNING

Shutting off discharge without

providing pressure relief can cause extreme overpressure which can result in pump and/or motor failure. Do not exceed 40 PSI pump or system pressure.

Operation under shut-off discharge conditions will overheat and damage pump.

NOTE: Globe valve or other restrictive valves should not be used as shut-off mechanism as they are restrictive in nature and will seriously affect pump performance.

4. After all piping and controls (not supplied with unit) have been installed, unit is ready for operation.

Operation

A CAUTION

Do not run pump dry, as permanent damage

to the pump rollers and seal will result. Suction pressure should never be greater than the discharge pressure.

- All pumps must be primed before start-up. Never operate a pump unless it is secured to a solid foundation.
- Roller pumps are built to very close tolerances and this tolerance must not be altered. The liquids must, therefore, be free of all abrasives.
 Sand, silt, wettable powders, etc. must be avoided.

NOTE: Cast iron pumps are for oil-based fluids only.

 When pumping a more viscous (beyond 50 SSU) liquid, a slower speed, a larger pipe size pump, and possibly a large motor should be selected.

NOTE: See performance chart for Max. Torque.

- Recheck motor rotation. (For proper motor/pump rotation, see Figures 2 and 3.)
- A pressure relief valve on the discharge side of the pump is recommended if the possibility of discharge shutoff or blockage is anticipated.

Maintenance

AWARNING

Make certain that the power source is disconnected before attempting to service or disassemble any components! If the power disconnect is out of sight, lock it in the open position and tag to prevent application of power.

GENERAL

Check the pump for proper operation daily, weekly, monthly, etc. If anything has changed (pump noise, motor noise, leaks, etc.) since the pump was new, the pump should be removed, examined and

repaired if necessary. This is a difficult motor/pump to repair, therefore, only qualified electricians or service technicians should attempt to repair this unit. Improper repair and/or assembly can cause problems with the electric motor used with this unit. See General Safety Information.

Roller pumps must be drained completely if subject to freezing temperature and should not be operated until temperature permits.

To store the pump, place a small quantity of light oil or some other storage preservative compatible with your application in the pump and rotate the shaft very slowly to work the oil throughout the rollers and the body.

PUMP DISASSEMBLY

Refer to Figure 9 for parts identification during disassembly and assembly.

- Remove screws (Ref. No. 6) and cover (Ref. No. 1). Refer to INSPECTION procedures below.
- 2. Remove the rollers (Ref. No. 8), the rotor (Ref. No. 4) and the o-ring (Ref. No. 12).
- 3. Remove the four bolts (Ref. No. 7) that hold the body (Ref. No. 3) to the motor and remove it. Note that there are two safety shields (Ref. No. 9) on the pump body (Ref. No. 3). It is not necessary to remove these to disassemble the pump. They should be in place as a safety measure should the mechanical seal leak.

AWARNING Failure to have safety shields on this pump can result in a hazardous condition that would result in burns and/or other injuries in the event of a seal leak.

- 4. Carefully pry out ceramic seat (Ref. No. 11) from the body (Ref. No. 3).
- Remove the seal assembly (Ref. No. 10) from the motor shaft. When removing the seal from the shaft,

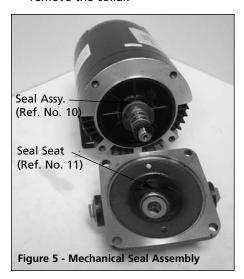


SHERTECH® NSF Commercial-Duty Filter and Rendering Close-Coupled Roller Pumps

be careful not to nick, scratch or mark the shaft in any way as damage to the shaft will cause a replacement seal to leak.

NOTE: The mechanical seal (Ref. No. 10) consists of three pieces; the seal head, the spring and the spring retainer. There is another thin washer between the mechanical seal and the collar. It should be cleaned and replaced against the collar.

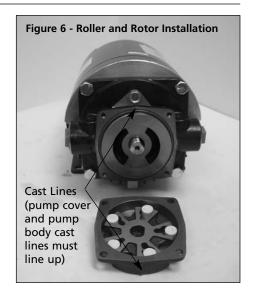
6. Note the location of the collar (Ref. No. 5). It is usually not necessary to replace the collar unless it is corroded. The back of the collar should be 1/8" from the face of the motor (See Figure 5). If it needs replacement, loosen set screw (Ref. No. 14) holding the collar (Ref. No. 5), and remove the collar.



PUMP INSPECTION

Inspect components for signs of excessive wear. Excessive wear of the pump will usually show up as degradation of performance. This can be seen by the flow dropping off under pressure, excessive noise and/or excessive wear inside the pump. Roller pump components are precision fit. In normal operation in hot oil, the Teflon® roller will wear more rapidly than the metal components, and replacing the rollers and mechanical seal usually will bring the pump back to an acceptable level of performance. If replacing the rollers does not achieve satisfactory results, the pump head should be replaced. When inspecting a disassembled pump, look for grooving and wear patterns in the pump body and cover, and on the rotor, that would cause degradation in performance. Occasionally the rotor (Ref. No. 4) will be cracked around the center "D" drive hole. This is usually a result of exceeding torque pump limits.

Replace worn or cracked parts as required. (See Repair Parts List for pump component kits as well as individual parts.)



PUMP ASSEMBLY

 Reinstall new mechanical seal (Ref. No. 10) on drive shaft using water as a lubricant. The seal should be against the collar, or a new collar in the same location as the old.

Note the location of the collar (Ref. No. 5). It is usually not necessary to replace the collar unless it is corroded. The back of the collar should be 1/8" from the face of the motor (See Figure 5). If it needs replacement, loosen set screw (Ref. No. 14) holding the collar (Ref. No. 5) and remove the collar.

Do not push on carbon face of new mechanical seal. Push with a hallowed out wood dowel or piece of cardboard.

2. Install seal seat (Ref. No. 11) into the pump body (Ref. No. 3), using water as a lubricant, on the O-ring with shiny white ceramic face facing the carbon seal (Ref. No. 10) without touching either of the seal faces. Scratching the seal faces will cause the seal to leak. Using anything other than water as a lubricant, when installing seal and seat, may cause seal to leak.

NOTE: The carbon and ceramic seal faces spin against each other providing for the functional seal. The seal ceramic seat O-ring is not the functional seal, but its purpose is to hold the seal ceramic seat in place.

3. Reassemble the pump in reverse order of disassembly. Note that when reassembling the rollers (Ref. No. 8), place the rotor into the pump cover (Ref. No. 1), the rollers into the slots in the rotor with the flat side of the roller facing up and down (Ref. No. 4), and then insert the unit on the shaft (See Figure 6).

NOTE: The rotor (Ref. No. 4) can be installed in either direction.

Make sure that the shaft does not interfere with the end of the cover. The cover has a cast line which must be aligned with the cast line on the body (See Figure 6). Tighten cover screws (Ref. No. 6) in opposing sequence. Check the pump after reassembly to ensure smooth rotation of the unit.

 Reinstall pump and motor. All pumps must be primed prior to start up.

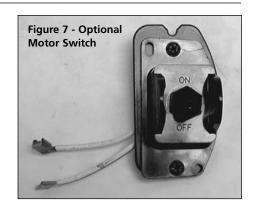
A CAUTION

Do not run pump dry, as permanent

damage to the pump gears, seal, and bearings will result. Suction pressure should never be greater than the discharge pressure.

ACCESSORIES

Optional switch can be ordered (See Repair Parts List). For switch installation, see Figures 7 and 8.







Contact a Shertech Distributor

Distributors can be found at www.shertech.com or www.hyproindustrial.com (The factory only sells pumps and parts to distributors.)

Please provide following information:

- -Model number
- -Serial number (if any) -Part description and number as shown in parts list

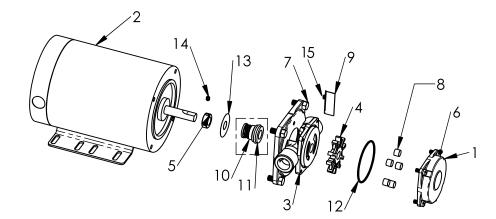


Figure 9 — Repair Parts Illustration

Repair Parts List

Ref. Included			Part No. For Model:						
No.	In Kit	Description	NR3	NR5	NR8	NR3-PH	NR5-PH	NR8-PH	Qty.
1	2	Cover (Cast Iron)	NA	NA	NA	NA	NA	NA	1
2		Motor - Electric (303 SS Shaft)**	2561-0025\$	2561-0026\$	2563-0013\$	NA	NA	NA	1
3	3	Body (Cast Iron)	NA	NA	NA	NA	NA	NA	1
4	2	Rotor (Cast Iron)	NA	NA	NA	NA	NA	NA	1
5	3	Collar	NA	NA	NA	NA	NA	NA	1
6	2	Screw	NA	NA	NA	NA	NA	NA	4
7	3	Screw	NA	NA	NA	NA	NA	NA	4
8	1, 2	Roller - Teflon	1055-0022	1055-0023	1055-0024	1055-0022	1055-0023	1055-0024	5
9	3	Safety Shield	NA	NA	NA	NA	NA	NA	2
10 & 11	1, 3	Mech. Seal/Seat Assy.							
		(Viton-Carbon/Ceramic)	22850S	22850S	22850S	22850S	22850S	22850S	1_
12	1, 2	O-ring (Viton)	1721-0088	1721-0088	1721-0088	1721-0088	1721-0088	1721-0088	1
13		Slinger Washer	NA	NA	NA	NA	NA	NA	1
14	3	Set Screw	NA	NA	NA	NA	NA	NA	1
15	3	Screw	NA	NA	NA	NA	NA	NA	2
8, 10, 11 & 1	2	Kit 1 - Roller Kit*	3430-0541	3430-0542	3430-0543	3430-0541	3430-0542	3430-0543	
1, 4, 6, 8 & 1	2	Kit 2 - Cover Kit*	24783	24784	24785	24783	24784	24785	
3, 5, 7, 9, 10,	,11, 14 & 15	5 Kit 3 - Body Kit	24786	24786	24787	24786	24786	24787	
	·	Optional Switch	24087	24087	24087	24087	24087	24087	
	·	Complete Pump Heads**	NR3-PH	NR5-PH	NR8-PH	NR3-PH	NR5-PH	NR8-PH	

^(*) Includes a set of rollers.

^(**) Motor specifications are found in the pump and motor specifications chart in this manual.

Notes



Limited Warranty on **SHERTECH** NSF Commercial-Duty Filter and Rendering Close-Coupled Roller Pumps

Hypro warrants to the original purchaser of its products (the "Purchaser") that such products will be free from defects in material and workmanship under normal use for the period of six (6) months, and accessories will be free from defects in material and workmanship under normal use for the period of ninety (90) days. Parts carry no warranty.

"Normal use" does not include use in excess of recommended maximum speeds, pressures, vacuums and temperatures, or use requiring handling of fluids not compatible with component materials. This warranty does not cover freight damage, freezing damage, pump or motor damage from incorrect wiring (if equipped with motor), normal wear and tear, or damage caused by misapplication, fault, negligence, alterations, dry running pump, or repair that affects the performance or reliability of the product.

THIS WARRANTY IS EXCLUSIVE. HYPRO MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

Hypro's obligation under this warranty is, at Hypro's option, to either repair or replace the product upon return of the entire product to the Hypro factory in accordance with the return procedures set forth below. THIS IS THE EXCLUSIVE REMEDY FOR ANY BREACH OF WARRANTY.

IN NO EVENT SHALL HYPRO BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY KIND, WHETHER FOR BREACH OF ANY WARRANTY, FOR NEGLIGENCE, ON THE BASIS OF STRICT LIABILITY, OR OTHERWISE.

Only authorized distributors can return products for Warranty. Contact your distributor or visit www.shertech.com to find a distributor for product support.

Distributors can obtain an RMA # and contact person's name by contacting Hypro's customer service at 800-471-0460.

Return Procedures for Distributors

All pumps or products must be flushed of any chemical (ref. OSHA Section 0910.1200 (d)(e)(f)(g)(h) and hazardous chemicals must be labeled before being shipped* to Hypro for service or warranty consideration. Hypro reserves the right to request a Material Safety Data sheet from the Purchaser for any pump or product Hypro deems necessary. Hypro reserves the right to "disposition as scrap" pumps or products returned without authorization and/or which contain unknown substances, or to charge for any and all costs incurred for chemical testing and proper disposal of components containing unknown substances. Hypro requests this in order to protect the environment and personnel from the hazards of handling unknown substances.

Be prepared to give Hypro full details of the problem, including the following information:

- 1. Model number, sale record/invoice, purchase date and from whom you purchased your pump.
- 2. A brief description of the pump problem, including the following:
 - Liquid pumped. State the pH and any non-soluble materials, and give the generic or trade name.
 - Temperature of the liquid and ambient environment.
 - Suction lift or vacuum (measured at the pump).
 - Discharge pressure.
 - Size, type, and mesh of the suction strainer.
 - Abrasiveness or particulate size in fluids.

- Drive type (gas engine/electric motor; direct/belt drive; tractor PTO) and rpm of pump.
- Viscosity of fluid if other than water.
- Specific gravity of fluid if other than water.
- Elevation from the pump to the discharge point.
- Size and material of suction and discharge line.

Hypro may request additional information and may require a sketch to illustrate the problem. Distributors should contact the factory to receive a return material authorization before sending the product. All pumps returned for warranty work should be sent shipping charges prepaid to:

[RMA# and Contact Person] HYPRO 375 Fifth Avenue NW New Brighton, Minnesota 55112

NOTE: Hypro reserves the right to "disposition as scrap" pumps or products returned without authorization. *Carriers, including U.S.P.S., airlines, UPS, ground freight, etc., require specific identification of any hazardous materials being shipped. Failure to do so may result in a substantial fine and/or prison term. Check with your shipping company for specific instructions.





Pentair Water INDUSTRIAL PRODUCTS GROUP

375 Fifth Avenue NW • New Brighton, MN 55112
Phone: (651) 766-6300 • 800-471-0460 • Fax: 800-672-7023
www.shertech.com • www.hyproindustrial.com