

# Condensate Pumps Type LP, LPC, ECV & ECH

Caution: This Unit is designed for atmospheric operation. DO NOT Pressurize Receiver.



# Installation, Operation and Maintenance (IOM) Information

# PLEASE LEAVE THIS MANUAL FOR OWNER'S USE



# SAFETY INSTRUCTIONS

Read this manual carefully to learn how to safely install and operate your pump. Throughout this manual there are a number of SAFETY HAZARDS that must be read and adhered to in order to prevent possible personal injury and/or damage to the equipment.

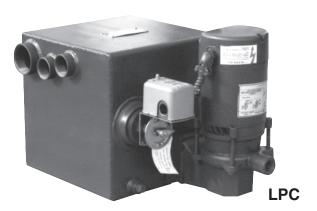
Three keywords, "DANGER", "WARNING", and "CAUTION", are used to indicate the potential severity of the hazard, and are preceded by a SAFETY ALERT SYMBOL. Failure to follow the safety-related instructions may result in a safety hazard.

**DANGER** Indicates an imminently hazardous situation which, if not avoided, <u>WILL</u> result in serious injury or death.

**WARNING** Indicates a potentially hazardous situation which, if not avoided, *COULD* result in serious injury or death.

**CAUTION** Indicates a potentially hazardous situation which, if not avoided, *MAY* result in minor or moderate injury.

THOROUGHLY REVIEW ALL INSTRUCTIONS AND WARNINGS PRIOR TO PERFORMING ANY WORK ON THIS PUMP.



# Introduction:

Because pump installations are seldom identical, this manual cannot possibly provide detailed instructions and precautions for each specific application. Therefore, it is the responsibility and the duty of all personnel involved in the installation, operation and maintenance of the equipment to ensure that applications not addressed in this manual are performed only after establishing that neither operator safety nor pump integrity are compromised by the installation.

# Pre-Installation Check:

Open all cartons and inspect for shipping damage. Report any damage to your supplier or shipping carrier immediately.

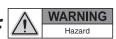
Always verify that the pump nameplate Voltage, Phase, and HP ratings as well as Amps rating on motor match your control panel and power supply. Warranty does not cover damage caused by connecting pumps and controls to an incorrect power source (i.e., voltage and phase).

### Site Inspection:



The pump should be of the proper size and capacity for the proposed installation. Refer to nameplate for rated capacities. Check motor voltage against available power supply.

# Installation:



Electrical connections are to be made by a qualified electrician in accordance with the National Electrical Code (NEC) or the Canadian Electrical Code, as well all national, state and local codes. Code questions should be directed to your local electrical inspector. Failure to follow electrical codes and OSHA safety standards may result in personal injury or equipment damage. Failure to follow manufacturer's installation instructions may result in electrical shock, fire hazard, personal injury or death, damaged equipment, provide unsatisfactory performance, and may void the manufacturer's warranty.

Motor must have a properly sized starter with a properly sized heater to provide overload and under voltage protection unless motor meets following two conditions: single phase and motor horsepower is 1 HP or less. Motors that satisfy these two conditions have built-in thermal overload protection.

Operating personnel should be trained in the operation of the pump and any associated system.

**Unit and/or Pump Location:** 



If pump and motor are operating at extremely high or low temperatures, insulate and ventilate as required.

Units are furnished with motor classified as either Open Drip Proof (ODP) and NEMA 1 controls. Locate unit only in areas of the proper classification. See motor data and NEMA classifications.

A high ambient temperature *will cause* thermal overload protection to shut off the pump. To facilitate maintenance, place unit for easy access to all parts. Allow adequate space for servicing.

### Seal Flush Line (or Bleed Line):



SHIPCO® pumps are manufactured with provisions for a seal flush line. This line helps prevent the pump from vapor binding and allows the pump to operate against a dead shut-off for periods of time without burning the seals. The bleed line must remain open.

### **Vent Connection:**

Install a full sized vent to atmosphere from the receiver. DO NOT install any shut-off valves or other type of valves in the vent line.

### Overflow:

Install overflow piping to drain. (An overflow loop and anti-siphoning orifice can be installed to prevent venting through the overflow.)

### **Return Piping:**

Properly pitched gravity return lines are piped to the unit as shown in the Typical Piping Diagram (Figure 4). An isolation valve should be installed for servicing. An inlet strainer should be installed to remove foreign material and prolong the pump life.

# **Suction Piping:**



An isolation valve may be installed in the suction piping between the receiver and pump suction for servicing the pump. The valve will be sized to allow an adequate flow of water to meet the Net Positive Suction Head (NPSH) requirement of the pump.

### **Discharge Piping:**

If the pump does not have a flanged discharge, install a *union* immediately beyond the pump discharge.

A spring-loaded check valve should be installed in the discharge piping near to the pump to prevent backflow into the unit. Next, a *manual flow control valve* (e.g., ball valve, globe valve, or steam cock) must be installed after the spring-loaded check valve and near to the pump

discharge flange or union (see Figure 4) to "balance the pump" (i.e., adjusting discharge flow of the pump to keep it running at the design operating conditions for flow rate and discharge pressure). A gate valve should not be used as a manual flow control valve. Note that some people refer to the term "balancing the pump" as either "throttling the pump" or "choking the pump".

For specific installation, operation and maintenance instructions of pump/motor assemblies fitted to receiver, refer to IOM Manual for the appropriate pump Model (e.g., Model D).

### **Notes on Piping:**

- When installing the pump, if the discharge flange of the pump does not include a tapping for a discharge pressure gauge port, a gauge port should be installed in the discharge piping.
- When installing the discharge connections to a threaded pump housing, a Teflon tape sealer or a high quality thread sealant is recommended.

### **Electrical Wiring:**

LP units are furnished with single-phase motors only. Single-phase motors are usually furnished as dual 115/230/1/60. Motors should be connected according to manufacturer's instructions for correct voltage.

LPC units can be either single-phase or three-phase. Three-phase motors are usually furnished as tri-voltage 208/230/460/3/60. Motors should be connected according to manufacturer's instructions for correct voltage.

If control panel is furnished, confirm that the nameplate data on the control panel[s] matches the supply current. If the nameplate data does not match the power source, consult factory.

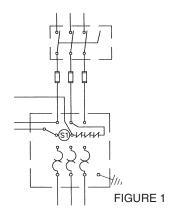
Verify controls, starter coils, etc., match the control voltages before installing. The secondary side of transformer is the control circuit.

Wire in accordance with the National Electrical Code, state and local codes where applicable. See typical wiring diagrams (Figure 3).

### **Short Circuit Protection:**

According to the National Electrical Code, branch circuit over-current protection must be provided for each contactor or starter. The following table is provided as a guide. DO NOT EXCEED MAXIMUM PROTECTIVE DEVICE RATINGS.

Maximum HP							Class	Class	Inverse-Time
Maximum Volts					NEMA	Maximum	K5 or R	K1 or J	Circuit
Single Phase Three Phase				ıse	Size	Voltage	Fuse	Fuse	Breaker
115v	230v	208v	250v	600v			(Ampere)	(Ampere)	(Ampere)
乃	1	1½	1½	2	00	600	10	15	15
						250	12	15	15
1	2	3	3	5	0	600	20	30	20
						250	25	30	35
2	3	7½	7½	10	1	600	30	60	40
						250	40	60	60
_	_	10	15	25	2	600	60	100	80
						250	60	100	90
_	_	25	30	50	3	600	100	200	125
						250	125	200	150

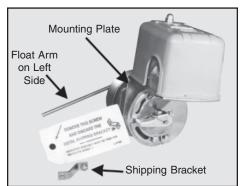


# PUTTING THE PUMP INTO SERVICE:

Flush unit to drain to remove any debris from receiver. Reinstall drain plug.

- A. Per instructions on tag attached to float switch[es], remove shipping bracket (See Figure 2) from each float switch or mechanical alternator as per manufacturer's instructions. If needed, reference Technical Articles that provide detailed instructions on how to adjust either a float switch or mechanical alternator:
  - Adjusting a Nema 1 Square-D, 9037 Series Float Switch Adjusting a Nema 1 Square-D, 9038 Series Mechanical Alternator
  - These articles are available on the  ${\rm Shipco}^{\otimes}$  web site (www.shipcopumps.com).
- B. The float switch has been factory set for maximum capacity of the receiver. Should an alternate setting be required, refer to the float switch manufacturer's instructions.
- C. Adjust the throttling valve (closed) installed in pump discharge to bring pump discharge pressure to design conditions. When proper conditions have been met, tighten valve and remove handle.
- D. Priming of Pump: Refer to IOM for appropriate pump (e.g., Model D).
- E. *Motor Lubrication:* The pump is a close-coupled centrifugal unit. The pump has no internal bearings. *Refer to IOM for appropriate pump (e.g., Model D) for additional information.*

NOTE: Bleed line shut-off valve MUST remain open unless pump is being serviced. Make sure total system is free from debris (i.e., pipes, radiators, receivers, etc.). Make sure all debris has been removed from inlet strainer after start-up of system.



### WARNING!

Switch is shipped with a bracket attached to the mounting plate to prevent the float from moving in the tank during shipment. When installing the unit, this bracket, clearly marked with a tag, MUST be removed for float switch to operate.

FIGURE 2—Float Switch

# <u>MECHANICAL SEAL REPLACEMENT</u> <u>INSTRUCTIONS FOR MODELS LP OR</u> <u>LPC PUMPS</u>

For Model LP and Model LPC condensate units, when it is necessary to replace a mechanical seal on either a Type 106-D or 110-D pump/motor assembly, refer to the procedures in the Installation, Operation, and Maintenance Manual (IOM) for Model D Pump.

Note: Seals will be damaged if operated dry.

# TROUBLESHOOTING CHECKLIST

### **PUMP WILL NOT RUN**

- 1. Power supply has been interrupted. Disconnect switch is open or selector switch improperly positioned.
- 2. Improper voltage supplied to motor. Check voltage and wiring with motor characteristics.
- 3. Incorrect starter coil for power supply.
- Overload relays in starter have tripped out and must be reset. Ambient temperature may be excessive.
- 5. Wiring to power source is incorrect or connections may be loose.
- 6. Control signals are for pump to be "off."

### **PUMP GPM CAPACITY IS REDUCED**

- Pump is running backwards. Rotation should be clockwise looking down upon motor toward the pump. Rotation of three-phase motors can be corrected by interchanging any 2 of the 3 wires. (Note: Any electrical service should be performed by a qualified electrician.)
- 2. Pump is **not throttled** to the design condition for the pump.
- Total pressure at pump discharge is greater than that which the pump was designed for. Check pressure requirements which include system back pressure, and friction and static head.
- 4. Excessive suction lift, incorrect piping or undersized piping from the pump.
- A valve in the pump suction line or discharge line is closed or throttled too much. Check valve in the pump discharge piping is installed backwards.
- 6. The impeller eye is blocked with trash or debris.
- 7. Pump is undersized for the system.
- 8. A strainer is dirty, causing a reduction in flow.
- Pump has lost its prime. Release trapped air in the pump and reprime.
- 10. Steam traps are blowing through, causing the condensate to return at excessive temperatures. Depending on the unit and type of pump furnished, this could greatly reduce the capacity of the pump below its stated rating. Traps should be repaired or replaced.
- Excessive temperatures. Capacity of pump may be reduced below its rating. Use Shipco® P-Type pumps for low NPSH conditions.

### **EXCESSIVE PUMP NOISE**

- Pump is running backwards. Check rotation by bumping the motor. Rotation should be clockwise while looking down at the rear of the motor.
- 2. Pump is working against a lower pressure than it was designed for. (The pump is not balanced or throttled.) Install a balancing valve, plug cock or steam cock in the discharge line following the gate valve. Do not use a gate valve for balancing the pump. The seats in the valve will wear over time, causing the valve to lose its design condition point. Throttle the balancing valve until the operating pressure at the pump discharge approaches the rated pump pressure.
- 3. Magnetic hum or bearing noise in motor. Consult the motor manufacturer's authorized service technician.
- Starter chatters. Trouble is caused by low line voltage, poor connections, defective starter coil, or burned contacts.
- 5. Excessive ambient temperature. Correct the system conditions.
- 6. Entrained air. Release the trapped air pocket.

TYPICAL WIRING DIAGRAM

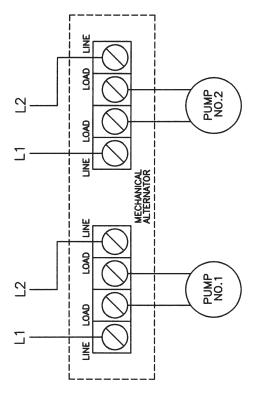
FIGURE 3

LINE

1530-D17

FLOAT SWITCH

MECHANICAL ALTERNATOR



SINGLE PHASE MOTOR CONTROL

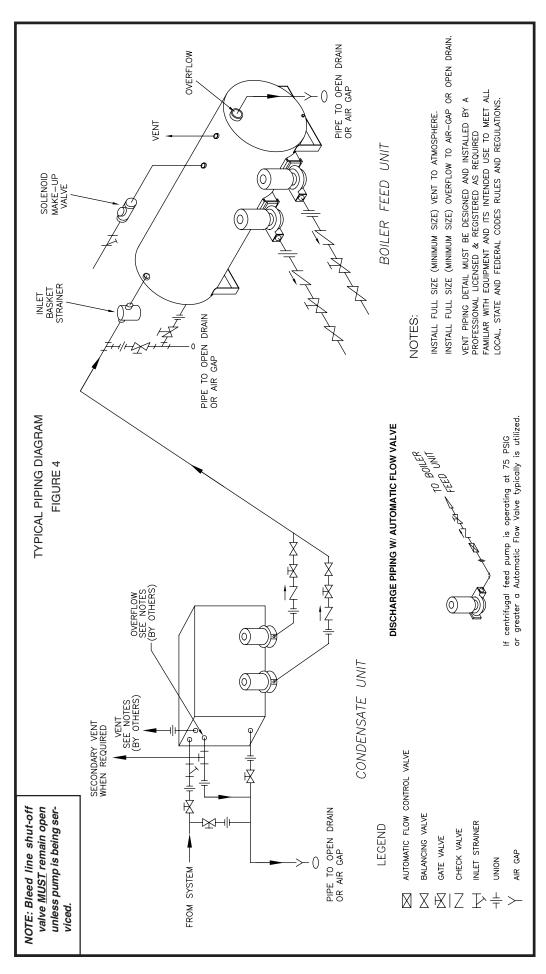
DOUBLE POLE SINGLE PHASE

MOTOR

Inherent Protection

BLACK WIRE BLACK WIRE 115 VOLT: 230 VOLT:

L2 - WHITE WIRE L2 - BLACK WIRE



and specified by Shippensburg Pump Company, Inc. The installation procedures and instructions as described in the product IOM Manual must be tion belongs to Shippensburg Pump Company, Inc. The User may not, under any circumstances use or allow the use of drawings with any product or operating pressures are not exceeded. This product may not be changed, altered, installed, used, or operated in any manner other than as manufactured altered, installed, used, or if operating pressures are increased, in any manner not consistent with and as set forth in printed materials supplied with this product by Shippensburg Pump Company, Inc. All Shippensburg Pump Company, Inc. drawings are subject to the published Terms & Conditions of system other than Shippensburg Pump Company, Inc. products or systems. This product must be installed and used in such a manner that standard Use of CAD Drawings as expressed on Shippensburg Pump Company, Inc.'s website, www.shipcopumps.com, and in its catalog. Copies supplied upon WARNING: All intellectual property rights (including, without limitation, all copyright and design rights) expressed in the drawings and related informastrictly followed. Any change or alteration in this product, or any deviation from the installation instructions, will void the product warranty. In addition, Shippensburg Pump Company, Inc. will not be responsible for any damages or injuries that occur to persons or property if the product is changed, request to our sales office at (717) 532-7321

# Representative Servicing:

If trouble occurs that cannot be rectified, contact your local  ${\tt Shipco}^{\circledast}$  representative who will need the following information in order to provide assistance:

- Complete nameplate data of pump and motor. SEE RATING NAMEPLATE.
- 2. Suction and discharge pipe pressure gauge readings.
- 3. Ampere draw of the motor.
- 4. A sketch of the pump hook-up and piping.



# Notes / Comments

# TERMS AND CONDITIONS OF SALE

#### AGREEMENT

By entering your order or requesting a quote, you confirm that the following terms and conditions of sale are the legal agreement governing your purchase, and that no changes or additional or different terms will apply unless you have previously established a different written contract for these purchases with Shippensburg Pump Company, Inc., hereafter referred to as the Seller.

### ORDER ACCEPTANCE

All orders are subject to acceptance by Seller at its general office in Shippensburg, Pennsylvania. Acceptance will be evidenced by Seller issuing its Sales Acknowledgement Form. The Sales Acknowledgement Form, together with any documents incorporated therein, shall constitute the entire agreement and may not be changed except in writing signed by Seller and Buyer. Publication and circulation of current price lists, catalogues and related literature by Seller shall not be deemed an offer to sell, but rather an invitation for offers to buy. Acceptance by Seller of the Buyer's order is expressly limited to the Terms and Conditions stated herein; any additional, inconsistent or different terms and conditions contained in the Buyer's purchase order or other documents supplied by Buyer are expressly rejected.

### PAYMENTTERMS—PRICES

Payment terms are as follows: If the Buyer is a Credit Card Customer, the Buyer agrees to pay at the time of purchase the price, shipping and handling charges, taxes and duties quoted by the Seller. If the Buyer is an Account Holder, the Buyer agrees to pay invoices with payment terms of net thirty (30) days after date of invoice unless otherwise specifically agreed to in writing. If the Seller believes that the Buyer's financial condition requires it, the Seller reserves the right to require full or partial payment prior to manufacture or shipment. If the Buyer fails to make any payment when due, (1) the seller reserves the right to suspend performance and the Buyer agrees that any charges incurred prior to the suspension will be assessed to the Buyer and payable to the Seller; (2) the Buyer further agrees to pay a charge on the amount past due at the rate of 1½% per month (18% per year) or the maximum lawful rate, whichever is less. In the event of non-payment, the Buyer agrees to pay the Seller reasonable attorney's fees and court costs, if any incurred by the Seller to collect payment and interest charges. These terms shall apply to partial, as well as complete shipments of Product. Published prices are subject to change without notice and the right is reserved to invoice at prevailing prices at time of shipment unless otherwise specifically agreed to in writing. All quotations are conditional on 30 days acceptance unless stipulated otherwise in writing and to approved credit rating or reference, otherwise payment terms are cash with order or C.O.D.

### **DELIVERY—DELAYS**

Shipping dates represent estimates only and are based on projected production schedules and commitments by suppliers. Seller shall not be liable for failure or delay in manufacturing or shipping Products, nor shall such failure or delay constitute grounds for cancellation if such failure or delay is directly or indirectly due to shortages of fuel or energy; acts of omissions of the Buyer; acts of God; war, riot, civil disturbances; labor difficulties; accident; inability to reasonably obtain materials; acts of transportation companies; or other causes of any kind whatever beyond the control of Seller. In the event of such delays, Seller reserves the right to make adjustments in price and delivery schedules.

#### **FREIGHT TERMS**

Prices are f.o.b. factory unless otherwise stated. Seller's responsibility ceases upon delivery to the transportation company at shipping point. It is the Buyer's responsibility to examine shipment upon arrival to ascertain if in good order. Any shortage or damage claims must be pursued by the Buyer. All weights shown on price sheets and literature are approximate. All packaging is standard domestic boxing, slat and wire crating and/or skidding. An additional charge will be made for full wooden crating or special packaging when specified on the order.

Seller will make every effort to consolidate orders and backorders wherever possible. Seller will not be responsible for excess charges due to their inability to consolidate shipments.

When requested by Buyer, shipments may be routed using premium carriers such as express or airfreight or the Buyer may specify the method or route of shipment. In such cases the shipment will be made on a "collect" basis and where applicable the freight allowance will appear as a separate line item on the product invoice, Seller reserves the right to select the transportation company where freight is allowed.

### TAXES

In addition to the price stated, the amount of any present or future sales, use, excise or other similar tax applicable to the production, sale, use or transportation of the Products shall be paid by Buyer. In lieu of paying such taxes to Seller, Buyer may furnish Seller a Tax Exemption Certificate or Certificates acceptable to appropriate taxing authorities at any time prior to Seller's shipment of the Products.

### CANCELLATIONS

Any order placed with Seller may be cancelled by the Buyer only upon payment of reasonable cancellation charges that shall include but not be limited to expenses already incurred, as well as material and labor commitments made by Seller.

### SHIPMENT—TITLE—RISK OF LOSS

Shipment terms are f.o.b. Seller's facility, unless otherwise specifically agreed to in writing. Notwithstanding the granting of any allowances for shipping, title to and risk of loss for Products will pass to the Buyer when delivered to the Common carrier at the Seller's facility.

### BACK CHARGES

All invoices shall be due and payable when submitted for payment in accordance with the provision entitled "Payment Terms—Prices." No withholding of funds, back charges, or credits against amounts otherwise due Seller will be permitted unless specifically agreed to in writing by Seller. Settlement of any amounts due Buyer will be negotiated as separate items and not as offsets against amounts otherwise due Seller from Buyer for Products sold hereunder.

### RETURNED GOODS

Unused material of current manufacture can only be returned for credit with the written consent of Seller, under return goods policies existing at the date of the return. Products that are obsolete or made to special order are not returnable.

### PATENT INDEMNITY

a. Patent Indemnity by Seller to Buyer

Seller agrees to indemnify and hold harmless the Buyer from and against all legal expenses which may be incurred, as well as all damages and costs (except all consequential and special damages and costs) which may be finally assessed against Buyer in any action for infringement of any United States Letters Patent by the Products delivered to Buyer hereunder; provided that the Buyer shall give Seller prompt written notice of any action, claim or threat of patent infringement suit, either oral or written, or of the commencement of any patent infringement suit against Buyer relating to Products sold by Seller to Buyer hereunder; and provided Buyer shall give Seller opportunity to elect to take over, settle, or defend any such claim, action or suit through counsel of Seller's own choice and under

its sole direction, and at its sole expense, and provided that in the event Seller elects to take over, defend or settle same. Buyer will make available to Seller all defenses against any such claim, action, suit or proceeding known to or available to Buyer; and provided further that Seller shall have the right to substitute for any such Product or any part thereof claiming to infringe the patent right of others, non-infringing Products which will give equally good service. If the use of any such Product or any part thereof should be enjoined, Seller shall have the right at its own expense, to take any of the following courses of action:

- i. To procure for Buyer the right to continue using such Product;
- ii. To replace said Product with a non-infringing Product;
- iii. To modify the Product so that it becomes non-infringing; or
- To remove said Product and refund the purchase price, transportation costs and installation costs thereof.

#### b. Limitation

The foregoing provisions as to patent protection by Seller to Buyer shall not apply to any of the following:

- i. To any Product manufactured to the design or specification furnished by the Buyer;
- To orders for special non-commercial Products which Seller has not sold or offered for sale to the public on the open commercial market;
- iiii. To any infringement occasioned by modification by Buyer of any Product without Seller's written consent, or any infringement arising from the use of a Product with any adjunct or device added by the Buyer without Seller's written permission.

#### c. Patent Indemnity by Buyer to Seller

To the extent that Products delivered hereunder are manufactured pursuant to detailed designs furnished by Buyer, Buyer agrees to indemnify Seller and hold Seller harmless from all legal expenses which may be incurred, as well as all damages and costs, which may finally be assessed against Seller in any action for infringement of any United States Letters Patent by such Products delivered hereunder. Seller agrees to promptly inform the Buyer of any claim for liability made against Seller with respect to such Products and Seller agrees to cooperate with the Buyer in every way reasonably available to facilitate the defense against any such claim.

#### **GOVERNING LAW**

The validity, interpretation and performance of any order shall be governed by the Uniform Commercial Code ("UCC") as adopted by the state in which the Products are manufactured by Seller.

### WARRANTY AND LIMITATION OF LIABILITY

Seller warrants for a period of eighteen (18) months from date of shipment from its factory or one (1) year from date of installation, whichever occurs first, that all Products furnished by it are free from defects in materials and workmanship.

Seller's liability for any breach of this Warranty shall be limited solely to replacement or repair, at the sole option of Seller, of any part or parts found to be defective during the Warranty period providing the Product is properly installed and is being used as originally intended. Buyer must notify Seller of any breach of this Warranty within the aforementioned Warranty period; defective parts must be shipped by Buyer to Seller, transportation charges prepaid.

IT IS EXPRESSLY AGREED THAT THIS SHALL BE THE SOLE AND EXCLUSIVE REMEDY OF THE BUYER. UNDER NO CIRCUMSTANCES SHALL SELLER BE LIABLE FOR ANY COSTS, LOSS, EXPENSE, DAMAGES, SPECIAL DAMAGES, INCIDENTAL DAMAGES OR CONSEQUENTIAL DAMAGES ARISING DIRECTLY OR INDIRECTLY FROM THE DESIGN, MANUFACTURE, SALE, USE OR REPAIR OF THE PRODUCT WHETHER BASED UPON WARRANTY, CONTRACT, NEGLIGENCE OR STRICT LIABILITY. IN NO EVENT WILL LIABILITY EXCEED THE PURCHASE PRICE OF THE PRODUCT.

THE WARRANTY AND LIMITS OF LIABILITY CONTAINED HEREIN ARE IN LIEU OF ALL OTHER WARRANTIES AND LIABILITIES, EXPRESSED OR IMPLIED. ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY DISCLAIMED BY SELLER AND EXCLUDED FROM THIS WARRANTY.

Seller neither assumes, nor authorizes any person to assume for it, any other Warranty obligation in connection with the sale of the Product. This Warranty shall not apply to any Product or parts of Products which (a) have been repaired or altered outside of Seller's facilities; or (b) have been modified or damaged through misuse, abuse, accident, neglect or mishandling by Purchaser or Purchaser's customer, erroneous voltage, modification, acts of God, or any other act not specifically stated; or (c) have been used in a manner contrary to Seller's instructions

Products covered by this warranty are for the intended uses as described in the corresponding seller's instructions. Before using for any other application, user shall determine the suitability of the product for its intended use and user assumes all risk and liability in connection therewith.

No oral statement made by the seller, its agents, employees, or other representatives, concerning the product, its value, description, condition, design, specifications, performance, capability, adaptability, or accuracy, shall be relied upon by the purchaser and is specifically and expressly excluded and invalidated as the basis for any bargain or warranty.

In the case of Products not manufactured by Seller, there is no Warranty from Seller, but Seller will extend to the Buyer any Warranty of Seller's supplier of such Products.

### FORCE MAJEURE

Seller shall have no liability in respect of failure to deliver or perform, or delay in delivering or performing any obligations due to causes such as acts of omissions of Buyer; acts of God, fire, flood, war and civil disturbances; riot, acts of governments, currency restrictions, labor shortages or disputes, unavailability of materials, fuel, power, energy or transportation facilities, failures of suppliers or subcontractors to deliver on time and every other circumstance outside the reasonable control of Seller.

### MODIFICATIONS

Unless otherwise provided, Seller reserves the right to modify the specifications of Products ordered by the Buyer providing that the modification will not materially affect the performance.

### STORAGE CHARGE

If Buyer is unable to accept products in accordance with the applicable shipping schedule then Seller may arrange to store ordered Products and the cost of storage will be charged to Buyer.

### **ENTIRE CONTRACT**

These provisions constitute all the terms and conditions agreed upon by the parties and shall replace and supersede any provisions on the face and reverse side of Purchase Order and any attachment thereto, or any prior general agreement inconsistent with the provisions hereof except that orders by Representatives with whom Seller has an Agreement shall be subject to the provisions of the Agreement. No modification hereof shall be valid unless in writing and duly signed by a person authorized by Seller. The provisions hereof shall not be modified by any usage of trade, or any course of prior dealings or acquiescence in any course of performance.