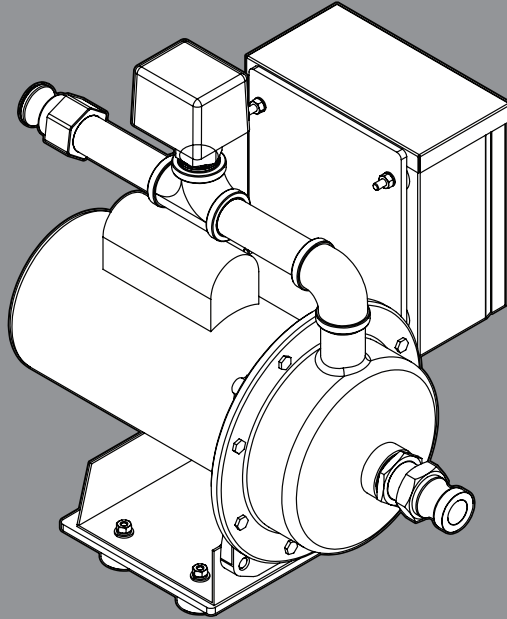


OWNER'S MANUAL

Complete BOOST



Installation - Operation - Parts

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munro®

IMPORTANT SAFETY INSTRUCTIONS!

When using electrical appliances, these instructions and warnings should always be followed to reduce the risk of fire, electrical shock and injury to persons.

READ ALL INSTRUCTIONS BEFORE USING THIS PUMP SYSTEM.

WARNING

1. Plug the Complete Boost directly into a 120V wall outlet/receptacle only. Never use with an extension cord. Do not plug pump system into any other cord connected device, such as a power strip, surge protector, multiple outlet adapter or cord reel.
2. Faulty wall outlet connections may cause the wall outlet to overheat. Be sure that the plug fits tightly into the outlet before use. Check the plug/outlet for heat. If necessary, have a qualified electrician check and/or replace the wall outlet.
3. Make certain the power source conforms to the electrical requirements of the pump. A minimum of 25 amp breaker is required.
4. To reduce the risk of electric shock, this plug is intended to fit in an outlet only one way. Contact a qualified electrician if the plug and outlet do not match. Do not alter the pump unit's cord or plug.
5. Do not operate the pump unit if the cord or pump unit is damaged in any manner.
6. Unplug the power cord before servicing or moving the pump.
7. Do NOT allow debris to accumulate around the pump unit.
8. Keep unit in a well-ventilated area to allow for air flow.

CAUTION

1. Always place the pump unit on a stable, flat, level surface. Locate the power cord so that the pump or other objects are not resting on it. DO NOT run the power cord under carpeting or cover with throw rugs, runners or similar coverings as this may cause the cord to overheat.
2. Pump motors can run hot during use. Never touch a motor without first determining the housing temperature.
3. The pump unit is intended to be in an indoor or covered setting.
4. This pump is intended to boost irrigation water supply pressure. It is not intended for general household boost applications.

INSTALLATION

LOCATION

Dry or covered location – crawl space or garage.

Within 15 feet of a 110v outlet.

Along irrigation supply line, between backflow preventer and irrigation valves.*

PLUMBING

Create a by-pass off the supply line to include the Complete BOOST System. Include isolation valves to the by-pass. Include a mainline shut-off valve to reroute the water to the pump. If not using supply hose, allow 5" of straight pipe preceding the pump inlet. Avoid installing elbows directly into the pump.

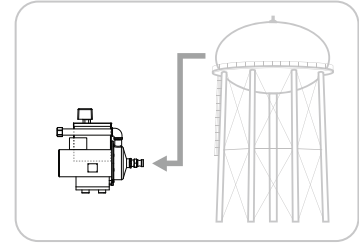
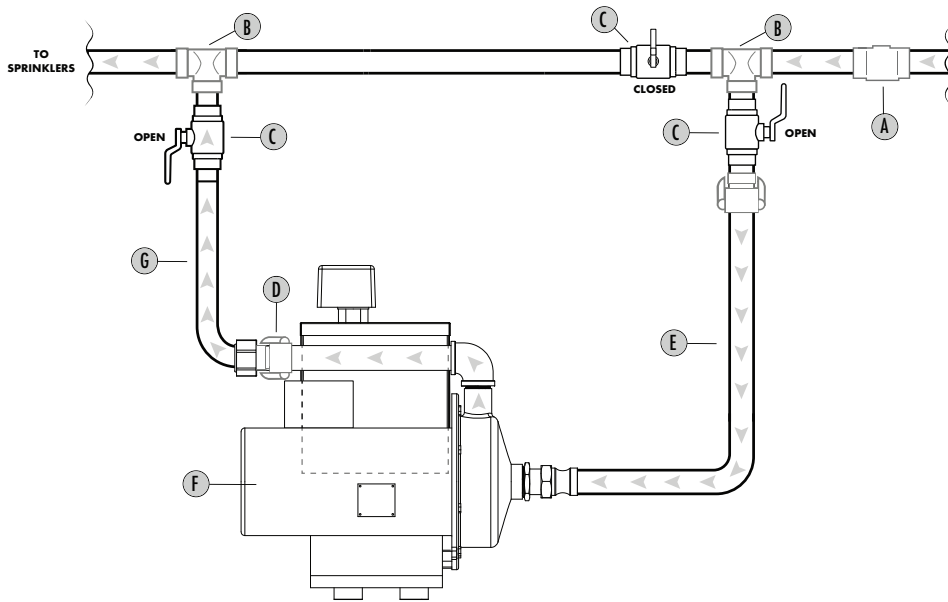
INSTALLATION

- | | |
|---|--|
| 1. Turn off water supply. | 5. Plug in the pump. |
| 2. Plumb according to the "Typical Setup" example below. | 6. Check valve position to "Water Flow with Complete BOOST". |
| 3. Restore water flow to system. | 7. Cycle the irrigation zones, verify the pump is running as expected. |
| 4. Reference "Flow Comparison" for valve position to test all joints for leaks. | 8. Check for joint leaks under pressure. |
- *Check local plumbing codes for check valve or backflow requirements.

To disconnect the pump unit, unplug the pump and isolate from water flow prior to disconnecting the pipes.

Always drain and unplug the pump unit in the off-season to winterize.

TYPICAL SETUP

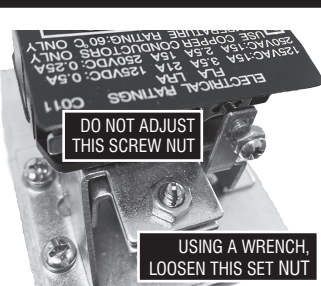


PRODUCT IDENTIFICATION

A	Check Valve
B	Tee
C	Isolation Valves
D	Cam Fittings
E	Flexible Hose
F	Complete BOOST
G	Hose or pipe to complete by-pass to the pump
H	Start Signal

FLOW SWITCH ADJUSTMENT INSTRUCTIONS

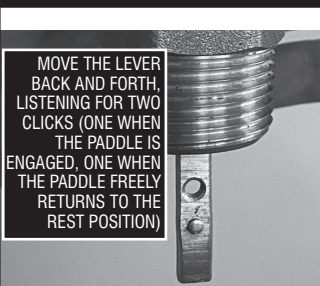
1) Locate and loosen the set nut on the spring-loaded adjustment screw.



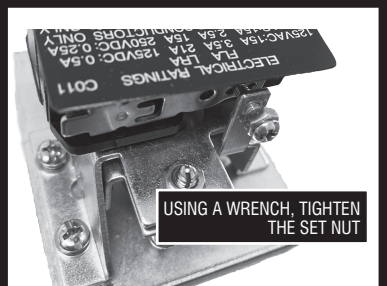
2) Use a screwdriver to change the flow rate engagement.



3) Verify the adjustment is within parameters of sensor.



4) Once the adjustment is complete, tighten the set nut again - repeat step 3.

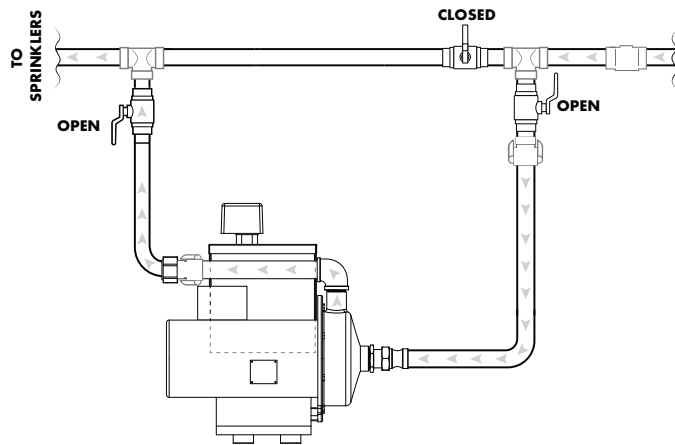


When the adjustment screw is rotated ccw, it adjusts the switch reading closer to max flow rate (shortens the spring).

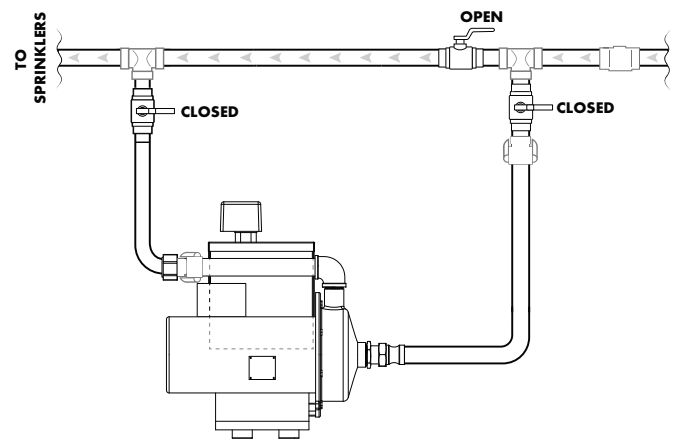
When the adjustment screw is rotated cw, it adjusts the switch reading closer to min flow rate (lengthens the spring).

Factory setting is at lowest setting.

WATER FLOW COMPARISON



WATER FLOW WITH COMPLETE BOOST



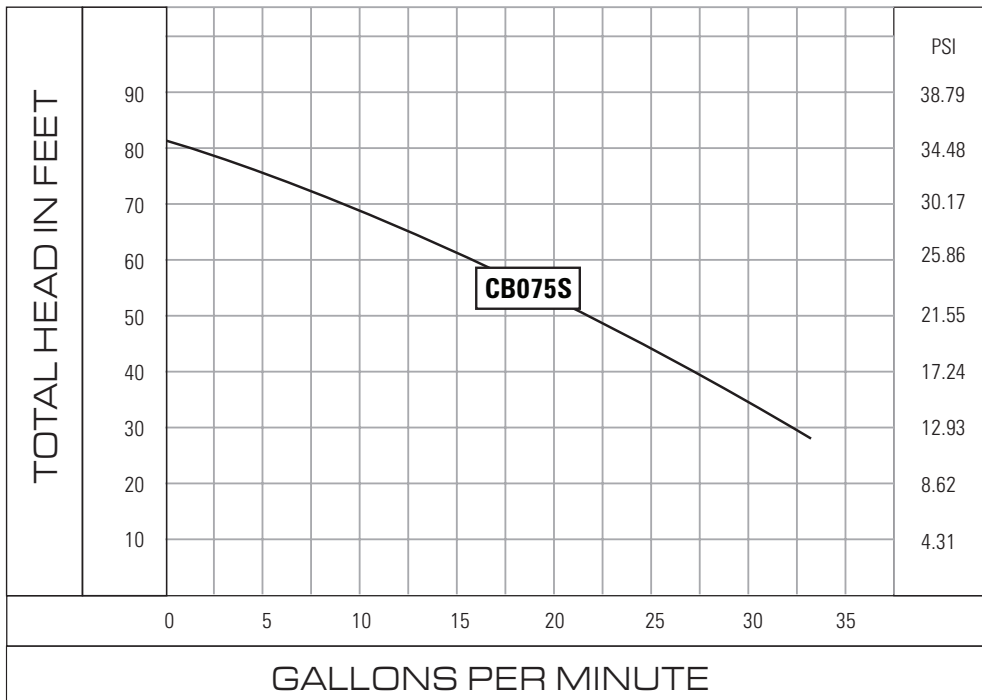
WATER FLOW BY-PASSING COMPLETE BOOST

PUMP CAPACITY

GPM	Capacity – Discharge Pressure (psi) Boost at Gallons per Minute								Max Case Pressure	Shut Off Pressure psi	Model Number
	0	5	10	15	20	25	30	35			
PSI	35	33	30	28	23	19	15	-	100	35	CB075S

PUMP CURVE

HORSEPOWER RANGE: 3/4



PUMP SPECIFICATIONS

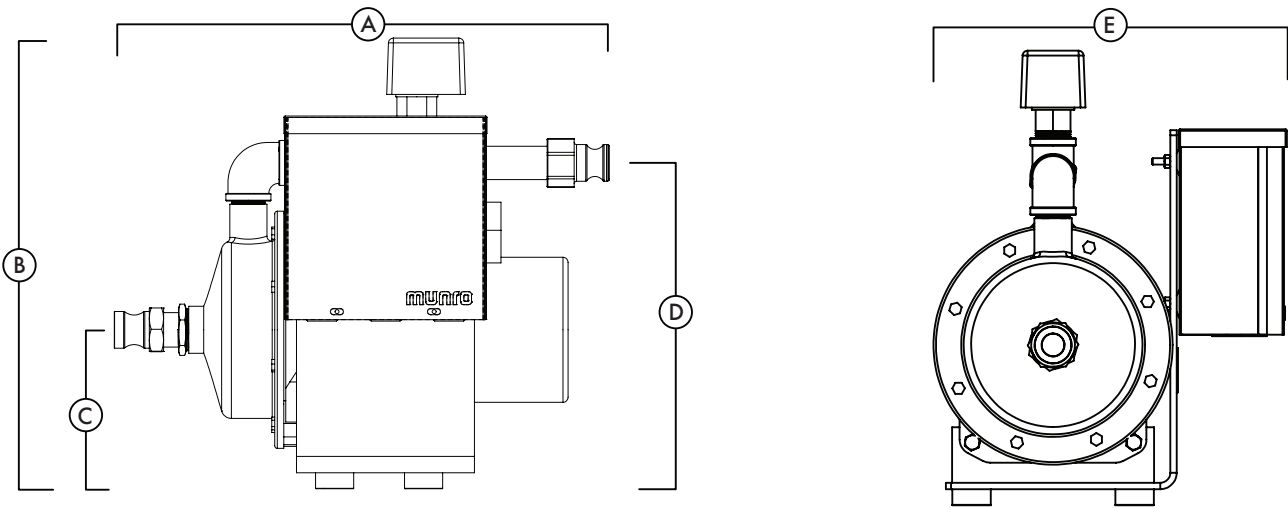
Specifications - Pump

HP	Phase	Dishcharge	Inlet	Cord Length	Approx Ship Weight/Lbs	Max Liquid Temp	Model Number
3/4	1	1"	1"	5"	45	104° F	CB075S

Specifications - Motor

HP	Phase	Voltage	Hz	RPM	Service Factor Amps	Model Number
3/4	1	110V	60	3450	14.2	CB075S

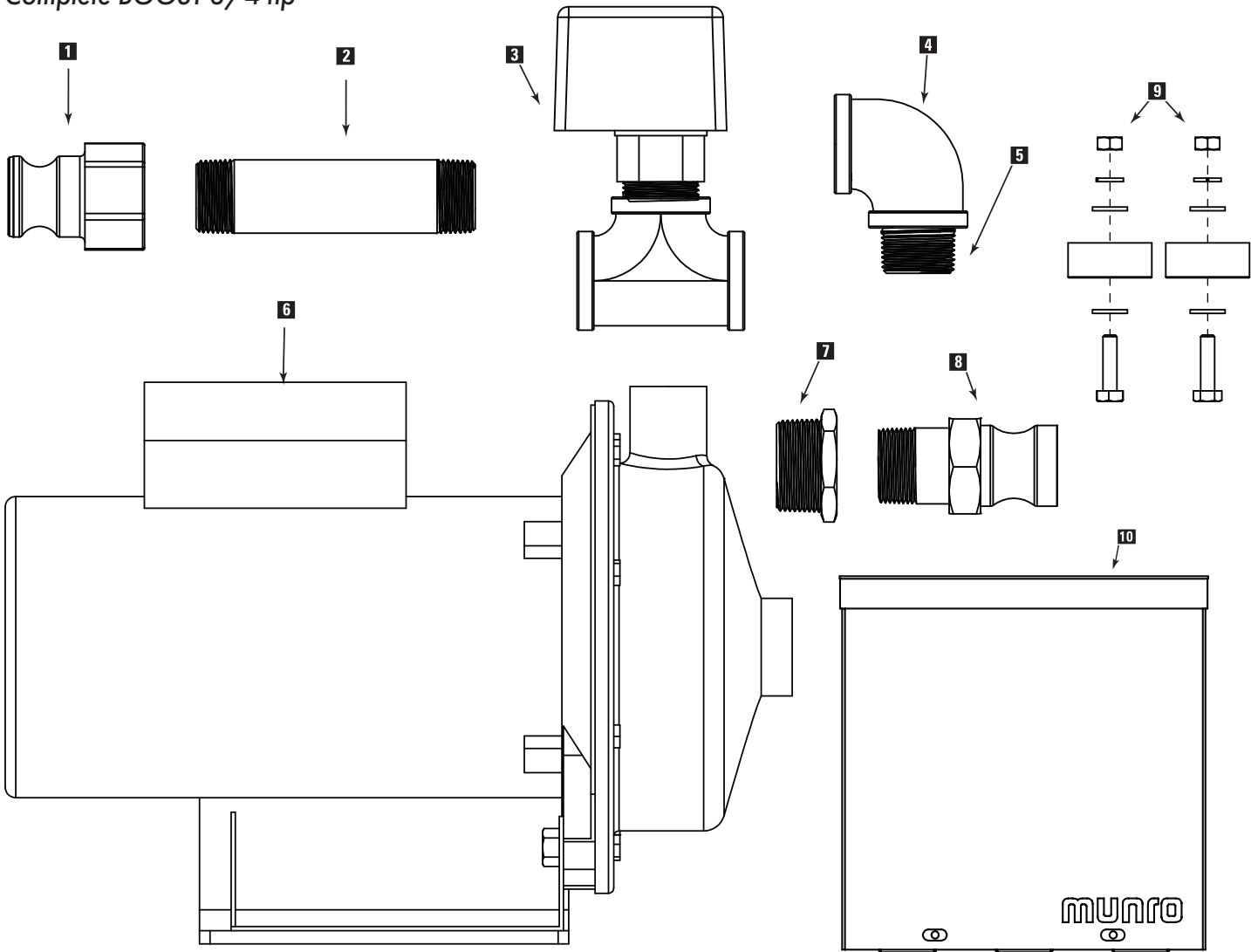
PUMP DIMENSIONS



HP	A	B	C	D	E
3/4	20"	17 1/2"	4 3/4"	11 3/4"	13 1/2"

PARTS BREAKDOWN

Complete BOOST 3/4 hp



Item #	DESCRIPTION	HORSEPOWER	3/4
		MODEL NO.	CB SERIES
		PART NO.	CB075S
1	1" FG Male Cam x Female NPT, Part A	FG100A	1
2	1" x 5" Pipe Nipple	•	2
3	Flow Switch Assembly w/ Tee	CBFLOW	1
4	1" Elbow	•	1
5	1" x Close Nipple	•	1
6	3/4 hp Pump	BP075S	1
7	1.25" x 1" Bushing	•	1
8	1" FG Male Cam x Male NPT, Part F	FG100F	1
9	Rubber Feet	CBFEET	4
▲	1/4" Sensor Port		1
10	Control Panel	CBPNL075	1
(•) Standard hardware Item ---- (▲) Not Shown			

TERMS & CONDITIONS

GOVERNING LAW: It is understood and agreed that these Terms and Conditions of Sale (this "Agreement") shall be interpreted under and pursuant to the laws of the State of Colorado; you agree that any action at law or suit which is related to any contact of sale brought against us shall be filed in a federal or state court located in the State of Colorado.

LIMITED WARRANTY: Munro, Inc. (the "Company") hereby warrants, in accordance with and subject to the provisions herein contained, your unit against defects in materials and workmanship under normal use and service when properly connected for a period of 12 months or 1000 hours of operation (whichever occurs first), from the date of purchase (Continuous-duty rated products are exempt from the 1000 hours of operation stipulation). In the event of a breakdown or failure of your unit or part thereof, within the period of 12 months or 1000 hours of operation, which prevents normal function, and is found to be the result of a defect in materials or workmanship, the Company will repair the breakdown or failure and/or replace any defective part or the whole unit at the Company's discretion. Freight charges will be the customer or ultimate consumer's responsibility.

Further, we warrant to our immediate customer and to the ultimate consumer (the "Customer") that products of our manufacture will be free of defects in material and workmanship under normal use and service, when installed and maintained in accordance with our instructions, for a period of twelve (12) months from date of installation or eighteen (18) months from date of shipment, whichever occurs first. As used herein, the "Ultimate Consumer" is defined as the purchaser who first uses the product after its initial installation or, in the case of product designed for non-permanent installation, the first owner who used the product. It is our immediate customer's obligation to make known to the Ultimate Consumer the terms and conditions of this warranty. This warranty provides limited specific legal rights, and there may also be other rights, which vary from state to state. As, and to the extent, covered by the federal consumer product warranties Law (the Magnuson-Moss Act, 15 U.S. Code §2301, et seq., (1) the duration of any implied warranties associated with the product by virtue of said law is limited to the same duration as stated herein, to the fullest extent allowed, (2) this warranty is for all purposes a LIMITED WARRANTY, and (3) no claims of any nature whatsoever shall be made against the Company, unless and until the Ultimate Consumer notifies the Company in writing of the defect, and delivers the product and/or defective part(s) Customer paid freight (see Return Policy section, below) to our factory or nearest authorized service facility. Some states do not allow limitation on how long an implied warranty lasts, so the above limitation may be limited by such law, to the extent applicable. **THE SOLE AND EXCLUSIVE REMEDY FOR BREACH OF ANY AND ALL WARRANTIES WITH RESPECT TO ANY PRODUCT SHALL BE TO REPLACE OR REPAIR AT OUR ELECTION, F.O.B. POINT OF MANUFACTURER OR AUTHORIZED REPAIR FACILITY, SUCH PRODUCTS AND/OR PARTS AS PROVEN DEFECTIVE. THERE SHALL BE NO FURTHER LIABILITY, WHETHER BASED ON WARRANTY, NEGLIGENCE OR OTHERWISE.** Unless expressly stated otherwise, state warranties as to the nature of performance specifications furnished in addition to the foregoing material and workmanship warranties on product manufactured by the Company, if any, are subject to laboratory tests corrected for field performance. Any additional statements in the nature of performance specifications must be in writing and such writing must be signed by our authorized representative. Due to inaccuracies in field testing, if a conflict arises between the results of field testing conducted by or for user, and laboratory tests corrected for field performance, the latter shall control. Components or accessories supplied by us but manufactured by others are warranted only to the extent of, and are subject to, the terms and conditions of the original manufacturer's warranty.

RECOMMENDATIONS FOR SPECIAL APPLICATIONS OR THOSE RESULTING FROM SYSTEMS ANALYZES AND EVALUATIONS WE CONDUCT WILL BE BASED ON OUR BEST AVAILABLE EXPERIENCE AND PUBLISHED INDUSTRY INFORMATION. SUCH RECOMMENDATIONS DO NOT CONSTITUTE A WARRANTY OF SATISFACTORY PERFORMANCE AND NO SUCH WARRANTY IS GIVEN.

This warranty shall not apply when damage is caused by (a) improper installation, mechanical or electrical, (b) improper power (i.e., voltage, etc.) (c) lightning (d) freezing (e) sand or other abrasive material (f) scale or corrosion build-up due to excessive chemical content. This warranty does not extend to or cover the unit or any part of it which, in the opinion of the Company, has worn by wear and tear, abraded or corroded by fluid pumped or environmental conditions, run in a dry condition, operated at high temperatures or outside the technical specifications of the unit. Mechanical seal failure is not warranted outside of initial start up. Any modification of the original equipment will also void this warranty. We will not be responsible for loss, damage or labor cost due to interruption of service caused by defective parts, nor charges incurred by others without our prior written approval.

This warranty is void if our inspection reveals the product was used in a manner inconsistent with normal industry practice and/or our specific recommendations. The purchaser is responsible for communication of all necessary information regarding the intended application and use of the product.

UNDER NO CIRCUMSTANCES WILL WE BE RESPONSIBLE FOR ANY OTHER DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES, INCLUDING BUT NOT LIMITED TO LOST PROFITS, LOST INCOME, LABOR CHARGES, DELAYS IN PRODUCTION, IDLE PRODUCTION, REGARDLESS OF WHETHER SUCH DAMAGES ARE CAUSED BY ANY DEFECTS IN MATERIAL AND/OR WORKMANSHIP AND/OR DAMAGE OR DELAYS IN SHIPMENT. THIS WARRANTY IS EXPRESSLY IN LIEU OF ANY OTHER EXPRESS OR IMPLIED WARRANTY, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

No rights extended under this warranty may be assigned to any other person, whether by operation of law or otherwise, without our prior written approval. If any litigation is commenced between the parties hereto for the enforcement of any rights hereunder, the successful party in subject litigation shall be entitled to receive from the unsuccessful party all costs incurred in connection therewith, including a reasonable amount for attorney's fees.

YOUR ACCEPTANCE OF ANY GOODS SUPPLIED BY US, OR ON OUR BEHALF, SHALL, WITHOUT LIMITATION CONSTITUTE ACCEPTANCE OF ALL TERMS, AND CONDITIONS STATED ABOVE. VISIT WWW.MUNROPUMP.COM/COMPANY-INFORMATION/WARRANTY-STATEMENTS FOR COMPLETE WARRANTY AND TERMS OF SALE.

TROUBLESHOOTING GUIDE

SYMPTOM	POSSIBLE CAUSE(S)	CORRECTIVE ACTION
Pump will not start or run	Flow switch start - not properly set	Refer to Installation Guide for setting instructions
	Power issue	Verify if system is plugged in.
		Check for tripped breaker.
	Valve position	Verify water valves are open to allow flow.
Pump is leaking	Suction Hose/Pipework	Check all connections for air-tight connection.
	Discharge Hose/Pipework	Check all connections for air-tight connection.
	Seal	Replace seal.
Running hot	Motor is hot and has shut down	Unplug, allow to cool.
		Verify breaker size.
		Clear any gathered debris from pump base.
Hose/fittings are leaking	Hole in hose	Replace hose assembly.
	Damaged cam gasket	Replace gasket or seal.
	Thread not properly prepared	Verify pipe dope or tape was used.
Cord or outlet is warm to the touch	Under-sized breaker	Check/replace Breaker.
	Damaged outlet	Replace outlet.