

HIGH PERFORMANCE PRESSURISER®

**Water Pressure Booster System
Models RP-10, RP-15 and RP-25
for HP and PRO-Series**



The AMTROL High Performance Pressuriser® is designed for city water applications where the supply of city water is at or above a flow pressure minimum of **10 psig**, but the pressure is considered too low to meet household needs. Read the enclosed product limitations, warnings and the installation, operating and service instructions contained in this booklet carefully before installing this product and keep it on hand for reference. This manual may become out-of-date or superseded by later amendments. Check our web site, www.amtrol.com or ask your AMTROL supplier for any updates relating to your products.



This is the safety alert symbol. It is used to alert you to personal injury hazards. Obey all safety instructions that follow this symbol to reduce the risk of possible injury or death as well as property damage.

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The High Performance Pressuriser® incorporates special design features to protect your product, prevent pump burn-out and optimize performance. The unit includes a low pressure cut-off switch, designed to turn off the unit when the inlet flow pressure is too low, which would cause the pump to run continuously, potentially causing product burn-out or failure. When the switch is activated and shuts down the unit, it should be manually re-started only when the inlet flow pressure is at least 10 psig. To set the pressure switch properly, and to minimize the risk of product failure, you must determine the lowest level of inlet water pressure (which can vary at different times). The High Performance Pressuriser® also includes a temperature sensing switch that is designed to turn off the pump if it senses over-heating. Do not alter or remove the pressure or thermal sensing switches.

IMPORTANT GENERAL SAFETY INFORMATION ADDITIONAL SPECIFIC SAFETY ALERTS APPEAR IN THE FOLLOWING INSTRUCTIONS

WARNING THIS PRODUCT CONTAINS PRESSURIZED AIR AND WATER THAT CONTAIN POTENTIALLY CORROSIVE ELEMENTS. LIKE MOST PRESSURIZED TANKS IT CAN OVER TIME CORRODE, WEAKEN AND BURST OR EXPLODE, POSSIBLY CAUSING SERIOUS OR FATAL PERSONAL INJURY AND/OR PROPERTY DAMAGE.

WARNING OVER-PRESSURIZATION CAN ALSO CAUSE AN EXPLOSION. INSTALL A 100 PSIG PRESSURE RELIEF VALVE AS SHOWN IN THE FOLLOWING INSTRUCTIONS.

WARNING DO NOT ADJUST PRESSURE OR RE-PRESSURIZE THIS PRODUCT EXCEPT FOR ANY ADJUSTMENTS MADE AT THE TIME OF THE INITIAL INSTALLATION WHEN THE UNIT IS NEW AND AS DESCRIBED IN THIS MANUAL; RE-PRESSURIZATION OF A WEAKENED, DAMAGED, OR CORRODED UNIT CAN ALSO CAUSE AN EXPLOSION POSSIBLY CAUSING SERIOUS OR FATAL PERSONAL INJURY AND/OR PROPERTY DAMAGE.

DANGER BEFORE ATTEMPTING ANY SERVICE AND DISASSEMBLY, SHUT OFF POWER TO THE PUMP. ENSURE POWER IS DISCONNECTED PRIOR TO REMOVING MOTOR. ENSURE POWER IS DISCONNECTED BEFORE CLEANING IS ATTEMPTED.

DANGER GROUNDING OF THE PUMP IS ESSENTIAL FOR YOUR PROTECTION AND THE PROTECTION OF THE MOTOR. ALL WIRING SHOULD BE COMPLETED BY A LICENSED ELECTRICIAN, AND IN ACCORDANCE WITH LOCAL CODES OR IN THEIR ABSENCE, THE NATIONAL ELECTRIC CODE. BEFORE STARTING THE WIRING INSTALLATION, DISCONNECT ALL POWER TO THE CIRCUIT TO BE USED FOR THE PRESSURISER®.

WARNING THE PRESSURISER® SHOULD ONLY BE CONNECTED TO A MUNICIPAL, COLD WATER SUPPLY, AND IN SYSTEMS WITH A MINIMUM PRESSURE OF 10 PSIG AT ALL TIMES, MEASURED UNDER FLOW AT THE TAP

CLOSEST TO THE LOCATION OF THE PRESSURISER® INSTALLATION.

WARNING IF THE PRESSURE SWITCH IS SET TOO HIGH OR THE PUMP IS RUNNING WHEN THE WATER SUPPLY IS SHUT OFF AND THERE IS NO DEMAND ON THE SYSTEM, THE PUMP WILL RUN CONTINUOUSLY, CAN OVERHEAT AND BECOME DAMAGED, POTENTIALLY RESULTING IN PRODUCT FAILURE, LEAKING AND/OR RUPTURE. TO REDUCE THIS RISK, YOUR PRODUCT INCLUDES A TEMPERATURE SENSING SWITCH THAT IS DESIGNED TO TURN OFF THE PUMP IF IT SENSES OVER-HEATING WHICH CAN OCCUR IF THE PRESSURE SWITCH IS SET TOO HIGH. DO NOT ALTER OR REMOVE THIS SENSOR.

NEVER SET THE SWITCH TO EXCEED 75 PSIG CUTOUT - HIGHER PRESSURES CAN DAMAGE THE UNIT AND CAUSE FLOODING DAMAGE TO ITS SURROUNDINGS, AND VOID THE WARRANTY OF THE SYSTEM.

ENSURE THE PRESSURE SWITCH IS OPERATING PROPERLY AT ALL TIMES. AFTER MAKING ANY ADJUSTMENTS, OBSERVE AT LEAST ONE PUMP CYCLE TO VERIFY PROPER PUMP SHUT-OFF.

WARNING ALL WIRE AND FUSE SIZINGS ARE PRELIMINARY RECOMMENDATIONS ONLY. FOR YOUR SAFETY LOCAL CODES, AND IN THEIR ABSENCE, NATIONAL CODES MUST BE FOLLOWED TO MINIMIZE THE RISK OF ELECTRICAL SHOCK, PROPERTY DAMAGE OR PERSONAL INJURY.

CAUTION IF THE PRESSURISER® IS LOCATED IN AN AREA WHERE FLOODING COULD CAUSE DAMAGE TO THE SURROUNDING AREA, THE UNIT SHOULD BE PLACED ON A DRIP PAN CONNECTED TO A DRAIN WITH ADEQUATE CAPACITY.

IMPORTANT MINIMUM SUPPLY LINE, METER AND FITTING SIZE FOR THE RP-10 IS 3/4", RP-15 IS 1" AND RP-25 IS 1 1/4".

Sizing Chart for HP & PRO – Series Pressurisers

	Minimum Flow Rate From City Supply	Minimum Flow Pressure From City Supply	Minimum Incoming Pipe Size
RP-10	10 gpm	10 psig	3/4"
RP-15	15 gpm	10 psig	1"
RP-25	25 gpm	10 psig	1 1/4"

PRE-INSTALLATION INSPECTION AND CHECK LIST

Before beginning the installation of the AMTROL High Performance Pressuriser®, check the carton for any exterior damage, and be sure to read these instructions completely. If there is any damage, report it to your AMTROL distributor.

STATE AND LOCAL CODES: All installations of the Pressuriser®, like all plumbing and electrical installations, require compliance with local codes, and in their absence, national codes. Make sure you know what the requirements are and follow them. IN ADDITION, FOLLOW ALL OF THE INSTRUCTIONS AND RECOMMENDATIONS CONTAINED IN THIS MANUAL.

THIS PRODUCT MUST BE INSTALLED AND SERVICED BY A LICENSED PLUMBER AND ELECTRICIAN

LINE SIZING CHART- MINIMUM REQUIREMENTS

PRESSURISER	WATER METER	SUPPLY LINE
RP-10HP, RP-10PRO	3/4"	3/4"
RP-15HP, RP-15PRO	1"	1"
RP-25HP, RP-25PRO	1 1/4"	1 1/4"

METAL PIPING must be used for all inlet and outlet lines to the unit.

ELECTRICAL REQUIREMENTS: The motor voltage, phase and frequency requirements listed on the motor nameplate must be checked against the available power supply.

DRIP PAN AND ADEQUATE DRAIN: To assist in servicing and to avoid or minimize any possible leaking and/or flooding damage, install with a drip pan connected to an adequate working drain kept clear at all times.

IMPORTANT PRODUCT USE AND APPLICATION INFORMATION

THE PRESSURISER® SHOULD ONLY BE CONNECTED TO A MUNICIPAL, COLD WATER SUPPLY, AND IN SYSTEMS WITH A MINIMUM FLOW PRESSURE OF 10 PSIG AT ALL TIMES, MEASURED UNDER FLOW AT THE TAP CLOSEST TO THE LOCATION OF THE PRESSURISER® INSTALLATION.

THE PRESSURISER®:

- SHOULD NOT BE USED FOR PRE-HEATED WATER SUPPLIES;
- SHOULD NOT BE USED FOR ANYTHING EXCEPT COLD WATER (AMBIENT TEMPERATURE NOT TO EXCEED 100° F);
- SHOULD NOT BE USED IN SYSTEMS WHERE LOW PRESSURE IS DUE TO LEAKS OR WHERE LEAKS IN THE PLUMBING SYSTEM MAY EXIST;
- SHOULD NOT BE USED IN SYSTEMS WHERE THE WATER SUPPLY CAN DROP BELOW 10 PSIG;
- SHOULD NOT BE USED IN SERIES WITH ANOTHER PUMP (SUCH AS IN PRIVATE WELL WATER SYSTEMS);
- TANK SHOULD NOT BE RE-PRESSURIZED AFTER INITIAL INSTALLATION;
- SHOULD NOT BE PIPED EXCEPT WITH METAL PIPING AT INLET AND OUTLETS.

LOCATION SELECTION

The system must be placed indoors only on a solid level surface with access to a drain with adequate capacity for large volumes of water in the event the system ruptures or fails. Consider the risks posed by tanks under pressure and the potential for leaking and/or flooding damage in selecting the location. The unit must not be placed in an environment that would expose the water in the tank to below freezing or exceed 100° F.

Be sure to leave a minimal clearance of 12" around the unit for access should field adjustments be necessary in the future and to permit maintenance and inspection (see Figure 2).

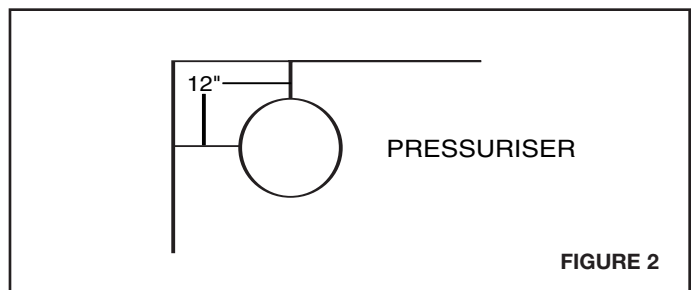


FIGURE 2

INSTALLATION AND OPERATION INSTRUCTIONS

PRIOR TO INSTALLATION SYSTEM INSPECTION

The tank provided with the High Performance Pressuriser® have been factory precharged. RP-10 has a precharge to 28 psig, the RP-15 and RP-25 have been precharged to 38 psig. Check the pump, thermal and pressure switch exteriors for visual damage. (If damage is noted, return it to the place of purchase.)

IMPORTANT IMPROPER INSTALLATION AND OPERATION OF THE PRESSURISER® WILL RESULT IN UNSATISFACTORY PERFORMANCE OR FAILURE OF THE SYSTEM AND WILL ALSO VOID YOUR WARRANTY.

ADJUSTING PRECHARGE

Step 1: Remove protective air valve cap

Step 2: Check pre-charge pressure (pressure should be + or - 10% of the factory setting)

Step 3: (If necessary) Release or add air as necessary to make the pre-charge pressure 2 psig below the pressure switch pump cut-in setting. (Exp. If your Pressuriser tank has a pre-charge of 28 psig and you have a pressure switch setting of 40/60 psig adjust pre-charge of your Pressuriser tank from 28 psig to 38 psig.)

Step 4: Replace protective air valve cap. (Remove air valve label, replace protective air valve cap, peel off backing of label and apply on air valve cap.)

IMPORTANT MINIMUM SUPPLY LINE AND METER SIZE FOR THE RP-10 IS 3/4", THE RP-15 IS 1" AND THE RP-25 IS 1 1/4". THIS APPLIES TO ALL LINES INCLUDING THOSE USED WITH THE WATER METER OR FITTINGS BEFORE THE PUMP. CONTACT FACTORY IF MINIMUM FITTING/LINE SIZE IS BELOW THE ABOVE NUMBERS.

PIPING INSTALLATION

Using Figures 4 as a guide, position the Pressuriser® in the desired location. A bypass loop, as shown in Figures 4 is required.

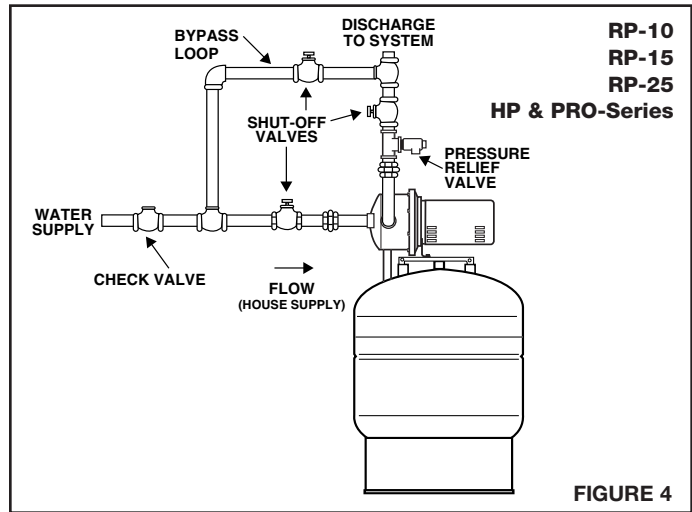
Step 1: Install a **SPRING LOADED CHECK VALVE** in the city supply line on the suction side of the pump along with a shut-off valve. Failure to do so will result in premature failure of the Pressuriser® due to excessive pump cycling.

Step 2: Install a by-pass loop as shown in Figure 4.

Step 3: Pipe the city supply after the shut-off valve to the suction side of the pump, as shown.

Step 4: Connect the house supply line as shown in Figure 4 to the Pressuriser®, using a 100 psig maximum relief valve as shown. It is important that the pressure relief valve be installed on the pump discharge prior to any shut off valves.

WARNING OVER-PRESSURIZATION CAN CAUSE AN EXPLOSION. INSTALL A 100 PSIG PRESSURE RELIEF VALVE AS SHOWN IN THE FOLLOWING INSTRUCTIONS.



ELECTRICAL INSTALLATION

Be sure to consult your local codes. All wiring should meet all applicable local codes, and in their absence, national codes. Failure to follow codes may result in serious personal injury (including death) and or damage to the motor. For the personal protection of the installer, use extreme caution when dealing with electrical power.

IMPORTANT THE PUMP MOTOR IS DESIGNED FOR USE WITH SINGLE PHASE, 60 Hz AC. USE WITH ANY OTHER TYPE OF POWER WILL CAUSE DAMAGE TO THE MOTOR. THE PUMP MODELS RP-10, RP-15 AND RP-25 ARE PREWIRED FOR 115V; HOWEVER THEY CAN BE REWIRED TO BE USED WITH 230V. CONSULT MOTOR NAMEPLATE FOR THE WIRING DIAGRAM.

Step 1: Proper Wire Size. The selection of the proper diameter wire depends on the system voltage and the distance of the motor from the fuse or breaker switch. Refer to local or, if none, national codes, to properly size the wire.

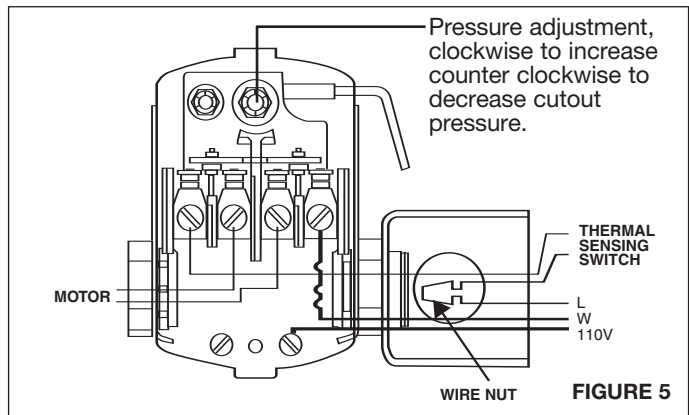
IMPORTANT FOLLOW ALL LOCAL CODES OR IF THERE ARE NONE, NATIONAL CODES MUST BE FOLLOWED.

CAUTION The power for your pump must be on a separate circuit. In addition, a shut off switch should be visible and near the pump. Use a 20 amp circuit.

Step 2: Using Figure 5, connect the two incoming power wires inside the pressure switch. The wires from the pressure switch to the motor are factory installed. Connect the grounding wire to the green grounding screw on the bottom of the pressure switch.

DANGER GROUNDING OF THE PUMP IS ESSENTIAL FOR YOUR PROTECTION AND THE PROTECTION OF THE MOTOR.

DANGER DISCONNECT POWER IN CIRCUIT TO THE PRESSURISER BEFORE PERFORMING ANY SERVICE. IF WIRED FOR 220V A 110V POTENTIAL EXISTS, EVEN IF THE THERMAL SWITCH OPENS



PRIMING OF PUMP, INLET PRESSURE MEASUREMENT

- Step 1:** Install the pressure gauge on the pump. Use only Teflon tape on the threads to insure proper sealing.
- Step 2:** Close the bypass valve.
- Step 3:** Open the city water supply line valve and a faucet and check the system for leaks, repair any leaks before proceeding.
- Step 4:** Shut off the faucet and check the system for leaks. Repair any leaks before proceeding.
- Step 5:** If the pressure (city water supply) is or can drop to between 5 and 10 psig, you must reset your pressure switch setting and change the tank precharge (See **Adjusting Pre-charge**). Remember, the inlet supply pressure (measured with water flowing) must be at least 10 psig or your Pressuriser® will not function. The pressure switch setting should be set to operate at the lowest pressure level of the inlet water supply, such as the pressure level during times of peak usage. Determine what this level is as you may need to set the switch lower than your measurement, if the pressure can be expected to drop lower at different times of system use.

INITIAL START UP, ADJUSTING THE PRESSURE SWITCH AND TANK PRE-CHARGE

IF THE PRESSURE SWITCH IS SET TOO HIGH OR THE PUMP IS RUNNING WHEN THE WATER SUPPLY IS SHUT OFF AND THERE IS NO DEMAND ON THE SYSTEM, THE PUMP WILL POTENTIALLY RUN CONTINUOUSLY, CAN OVERHEAT AND CAUSE DAMAGE; RESULTING IN PRODUCT FAILURE, LEAKING AND/OR RUPTURE. TO REDUCE THIS RISK, THIS PRODUCT ALSO INCLUDES A TEMPERATURE SENSING SWITCH THAT IS DESIGNED TO TURN OFF THE PUMP IF IT SENSES OVER-HEATING WHICH CAN OCCUR IF THE PRESSURE SWITCH IS SET TOO HIGH. DO NOT ALTER OR REMOVE THE PRESSURE SWITCH OR TEMPERATURE SENSING SWITCH. NEVER EXCEED 75 PSIG CUTOUT

- Step 1:** Check that the installation is complete. Verify that the spring loaded check valve and pressure relief valve are installed according to instructions.
- Step 2:** Turn on the power to the pump. If the water pressure is within 10 psig of the cut in pressure switch setting the pump will start.
- Step 3:** If the water pressure is more than 10 psig below the cut-in pressure setting, lift the lever on the side of the pressure switch to the "start" position marked on the side of the pressure switch cover. The pump should start. Hold the lever in that position until the pump has developed enough pressure to be within 10 psig of the cut-in pressure. (Check the pressure gauge for the correct reading). Release the lever.
- Step 4:** Observe the pump operation for at least one complete cycle. If the pump shuts off, proceed to step 7.
- Step 5:** If the pump will not shut off (reach the cut-out pressure of the pressure switch) then the pressure switch is set at too high a pressure OR there is a restriction somewhere in the water supply line to the pump. Shut off the power to the Pressuriser® and lower the pressure switch setting using the instructions inside the pressure switch cover. Turn power back on.

Step 6: Once the pressure switch is adjusted so the pump shuts off when there is no demand on the system the tank air charge will need to be lowered to 2 psig below the cut-in pressure. To determine the cut-in pressure, slowly drain water from the system, carefully observing the pressure at which the pump starts.

Step 7: To adjust the precharge (air pressure), close the valve between the water supply line and the Pressuriser® unit. Turn the power to the Pressuriser® unit off. Open a valve or faucet in the system to drain the tank until empty of water. Remove the blue plastic security cap from the air valve (Schrader type). Add or release air until the air pressure is 2 psig below the cut in pressure on your pressure switch. Replace the blue plastic security cap. Open the water supply line valve and turn on the power to the pump.

In cases where the city supply pressure is consistently greater than 10 psig (when water is flowing), the pressure switch and tank precharge air pressure can be adjusted upwards no more than 10 psig to provide higher pressure in your system. Follow the instructions above to adjust precharge and switch pressures by whatever amount above 10 psig your system measures.

WARNING Remember that the maximum settings for the Pressuriser® is 75 psig cut-out. Higher pressures could damage the unit and cause rupture and flood damage to its surroundings, and void the warranty of the system.

ENSURE THE SWITCH IS OPERATING PROPERLY. AFTER MAKING ANY ADJUSTMENTS, OBSERVE AT LEAST ONE PUMP CYCLE TO VERIFY PROPER PUMP SHUT-OFF.

Note: This product includes a temperature sensing switch that is designed to turn off the pump if it senses overheating. If the unit was exposed to ambient temperature exceeding 110° F during shipment or storage, the temperature sensing switch may be open therefore preventing the unit to operate upon installation. Switch must be cooled down to less than 83° F to close switch, therefore allowing unit to start and operate normally.

Please contact AMTROL technical services at 401-535-1216 or an AMTROL representative if further assistance is required.

PRODUCT SERVICING AND MAINTENANCE

WINTERIZING

To drain, disconnect the pump from power and open a faucet to bleed off water pressure. You will then need to disconnect the pump from the piping and lay the tank on its side to disconnect the piping between the pump and the tank to completely drain the unit. Precaution needs to be taken to ensure exposed piping connected to the unit is also drained.

INSPECTION INSTRUCTIONS POST-INSTALLATION PRESSURE CHANGES AND ADJUSTMENTS

⚠ WARNING DO NOT ADJUST PRESSURE OR RE-PRESSURIZE THIS PRODUCT EXCEPT FOR ANY ADJUSTMENTS MADE AT THE TIME OF INITIAL INSTALLATION WHEN THE UNIT IS NEW. RE-PRESSURIZATION OF A WEAKENED, DAMAGED, OR CORRODED UNIT CAN CAUSE AN EXPLOSION, POSSIBLY CAUSING SERIOUS OR FATAL PERSONAL INJURY AND/OR PROPERTY DAMAGE.

If pressure adjustments are necessary because of changes in inlet pressure, check the condition of the unit first to make sure there is no corrosion of the tank or any connected lines or fittings. Take appropriate precautions. Never adjust the pressure if water is leaking from the air stem (RP-10HP and RP-15HP). Replace any damaged or corroded tank. Also, air loss is an

indication that damage, corrosion or weakening of the unit may have occurred and it should not be re-pressurized.

Your Pressuriser® unit including the pump must be periodically inspected by an experienced professional for signs of damage, corrosion and leaking. The pump should be checked to ensure it is turning on and off at the appropriate cut-in and cut-out points. The temperature sensing switch should be inspected to ensure it remains in contact with the stainless steel nipple. At a minimum, after installation, a thorough inspection of all components should take place annually. However, note that units in settings with frequent use, where corrosion, high humidity or aggressive water is more likely to occur, and as the unit ages, should be inspected more frequently.

REPLACEMENT PARTS KITS

Kit Description	Part Number
Impeller Kit RP10HP/RP10PRO	2201-29
Impeller Kit RP15HP/RP15PRO	2201-30
Impeller Kit RP25HP/RP25PRO	2201-31
Shaft Seal Kit	2201-32
Motor Kit	2201-33
Pressure Switch	2201-085
Pressure Guage	2200x19
RP-25HP/RP-25PRO (Pump)	245-54
RP-10HP/RP-10PRO (Pump)	245-56
RP-15HP/RP-15PRO (Pump)	245-57

Piping Conversion Kit	Part Number
RP-10HP	2201-41
RP-15HP	2201-42
RP-10PRO	2201-43
RP-15PRO	2201-44

SERVICE GUIDE AND TROUBLE SHOOTING

IF THE MOTOR WILL NOT START

- A. Check to see if the inlet flow pressure is too low (See “Priming of pump, inlet pressure measurement”). If the inlet pressure was below the required minimum, but returns to a minimum of 10 psig, follow the start-up instructions on page 5.
- B. Check to see if the motor has power. Be sure the switch is on and the fuses are not blown or circuit breakers tripped.
- C. Check all wiring connections to see if they are tight. Check to see if the motor or the pump casing is hot to the touch. If either is hot, more than likely the internal protection in the motor has been tripped, the thermal switch has been tripped or there is a lack of water supply. If the pump casing is hot, verify that the inlet water flow pressure meets the initial minimum pressure setting value. Ensure that the motor has plenty of ventilation and the proper voltage is being supplied.
- D. If the motor and the pump casing are cold to the touch and power at the pressure switch is being applied, the motor may be damaged. Check the power supply.
- E. Check the pressure switch contacts. The contacts may be stuck open or dirty.

⚠ DANGER ENSURE POWER IS DISCONNECTED BEFORE CLEANING IS ATTEMPTED.

- F. Check for proper voltage connection, assure that motor is wired for correct voltage by reviewing motor nameplate.
- G. If the motor hums, disconnect power and try to rotate shaft. The shaft should rotate freely.

THE PUMP RUNS BUT DOES NOT DELIVER WATER PRESSURE

REFER TO PAGE 3, STEP 3.

- A. Check city water supply pressure and availability. Shut the pump off and open a faucet. Check the available pressure. The pump can deliver a maximum of 40 psig above the incoming water pressure under flow conditions.
- B. Check to see if valves are opened to the domestic supply lines.
- C. Check to see if nozzle venturi assembly inside the pump is clogged (See Disassembly Instructions).
- D. Check for leaks in suction piping. Also, check pressure piping.
- E. Check piping for blockages or clogs.
- F. Check impeller for blockages or clogs.

IF PUMP WILL NOT SHUT OFF

- A. Check pressure switch for proper setting.
- B. Check piping for leaks.
- C. Check port and piping to the pressure switch; it may be clogged or blocked.
- D. Check for leaks in suction line.
- E. If motor is not running at correct speed, check for proper motor connections and voltage.
- F. Check city supply pressure. If it has dropped from the time when the pressure switch was set the pressure switch will need to be reduced a corresponding amount.
- G. Check to see if bypass loop valve is closed.

IF PUMP STARTS TOO OFTEN

- A. Check to see if tank is water-logged.
 - (1) Drain tank.
 - (2) Check air pressure; if waterlogged, tank pressure will be less than 20 psig (if initial pressure setting was 28 psig).
- B. Check for leaks in piping from pump to house.
- C. Inspect check valve for blockages. An obstruction holding the check valve even partially open will allow the water back into the supply line. The pump will quickly lose pressure and start frequently.
- D. Check to see if bypass loop valve is closed.

AMTROL INC. LIMITED PRODUCT WARRANTY

Residential Pressuriser

All RP Series, RP-M Series, HP Series and Pro Series

Two (2) Year Limited Warranty

Products covered: all Products manufactured by AMTROL Inc. ("AMTROL").

This warranty cannot be transferred – it is extended only to the original Purchaser or First User of the Product. By accepting and keeping this Product you agree to all of the warranty terms and limitations of liability described below.

IMPORTANT WARNING – READ CAREFULLY THE INSTALLATION, OPERATING AND MAINTENANCE INSTRUCTIONS MANUAL ("MANUAL") to avoid serious personal injury and/or property damage and to ensure safe use and proper care of this product.

Who Receives AMTROL's Product Warranty

All purchasers or first users of the new Product. The Warranty is non-transferable.

What is covered by this Warranty

AMTROL® warrants to the purchaser or first user of the new Product that at the time of manufacture, the Product is free from defects in material and workmanship. Any warranty claim must be made within one (1) year unless another time period is set forth in the Manual, measured from the time the Product was purchased.

What AMTROL Will Do If You Have a Covered Warranty Claim

In the event of a breach of the foregoing warranty, AMTROL will at its option either make repairs to correct any defect in material or workmanship or supply and ship either new or used replacement parts or products. AMTROL will not accept any claims for labor, property damage or other costs.

What This Warranty Does Not Cover - Exclusions and Limitations

This Warranty does not cover any claim unless it was caused by a defect in material or workmanship during the warranty period. In addition, this Warranty shall not apply:

- if the Product is not correctly installed, operated, repaired or maintained as described in the Manual provided with the Product;
- to any failure or malfunction resulting from abuse (including freezing); improper or negligent: handling, shipping (by anyone other than AMTROL), storage, use, operation, accident; or alteration, lightning, flood or any other environmental condition;
- to any failure or problem resulting from the use of the Product for any purpose other than those specified in the accompanying Manual or alteration of any part of the product;
- if the Product is used anywhere except the United States, its territories or possessions, or Canada;
- this Warranty does not cover labor costs, shipping charges, service charges, delivery expenses, administrative fees or any costs incurred in removing or reinstalling the Product;
- this Warranty does not cover any claims submitted to AMTROL or an AMTROL-authorized distributor or retailer more than 30 days after expiration of the applicable warranty time period described in this Warranty ;
- this Warranty also does not cover repair or replacement costs not authorized in advance by AMTROL.

Additional Warranty Limitations

ALL IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE SPECIFICALLY DISCLAIMED. Some states do not allow limitations on how long an implied Warranty lasts, so the above limitation may not apply to you.

Limitations of Remedies

THE REMEDIES CONTAINED IN THIS WARRANTY ARE THE PURCHASER'S OR FIRST USER'S EXCLUSIVE REMEDIES. IN NO CIRCUMSTANCES WILL AMTROL BE LIABLE FOR MORE THAN, AND PURCHASER-FIRST USER'S REMEDIES SHALL NOT EXCEED, THE PRICE PAID FOR THE PRODUCT. IN NO CASE SHALL AMTROL BE LIABLE FOR ANY SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES, WHETHER RESULTING FROM NONDELIVERY OR FROM THE USE, MISUSE, OR INABILITY TO USE THE PRODUCT OR FROM DEFECTS IN THE PRODUCT OR FROM AMTROL'S OWN NEGLIGENCE OR OTHER TORT. This exclusion applies regardless of whether such damages are sought for breach of warranty, breach of contract, negligence, strict liability, in tort or under any other legal theory. Such damages include, but are not limited to, inconvenience, loss or damage to property, mold, loss of profits, loss of savings or revenue, loss of use of the Products or any associated equipment, facilities, buildings or services, downtime, and the claims of third parties including customers. Some states do not allow the limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

What To Do If You Have a Problem Covered By This Warranty

Any covered Warranty service must be authorized by AMTROL. Contact the person from whom you purchased the Product, who must receive authorization from an AMTROL distributor or AMTROL. If you do not receive a prompt response, call AMTROL directly at 877-517-9673. Notice of a Warranty claim should be submitted by the authorized distributor to AMTROL at the following address:

AMTROL Inc., Warranty Claim Dept.
1400 Division Rd., West Warwick, RI 02893

Before AMTROL determines to provide any replacement part or Product, it may as a pre-condition to making such a determination require that the warranty claimant ship the Product, postage prepaid to an authorized AMTROL distributor, or to AMTROL and provide proof of purchase evidenced by the original sales receipt or Product registration.

Replacement Product Warranty

In case of replacement of a Product or any component part, AMTROL reserves the right to make changes in the design, construction, or material of the substitute components or products, which shall be subject to all of the terms and limitations of this Warranty, except that the applicable warranty periods shall be reduced by the amount of time the warranty claimant owned the product prior to submitting notification of the warranty claim.