



PUMPMASTER SERIES 115v

RYDLYME dissolves water scale, lime, mud and rust deposits safely, quickly and effectively!

Compact

Apex Engineering Products Corporation proudly introduces our new seal-less magnetic drive **PUMPMASTER SERIES** of pumps. These **RYDLYME** pumping systems are specifically

designed to offer you the best handling equipment available to help maintain your equipment in peak operating condition.

For added convenience, its compact and quiet, energy efficient design supplements the high quality components and construction.

Our **PUMPMASTER 115v** is a 3/4" seal-less magnetic twin bearing system pump. The **PUMPMASTER 115v** is a centrifugal pump design with a totally enclosed non-

ventilated (TENV) permanent magnetic motor producing a maximum flow rate of 4.5 gallons per minute! This professional pump has a hollow rotating spindle for the internal cooling circuit which

reduces bearing temperatures and has few moving parts for easy maintenance! The **PUMPMASTER 115v** twin bearing system handles thrust loads that also extend the service life of this trustworthy pump. The resilience and permanence of



this pumping system starts with its 8 gallon HDPE open head bucket, and continues throughout the mesh hoses, tru-union valves, and essential assorted fittings.

Convenient

Please query our qualified technicians regarding our other popular flushing systems for your heat exchangers and other vital water cooling equipment.

www.rydlyme.com

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RYDLYME PUMPMASTER SERIES 115v

PUMPMASTER SET UP:

1. Remove all contents from the 8-gallon circulation bucket. This should include two 10' hoses, a tru-union supply valve, a tru-union return valve, bulkhead fittings, assorted accessories kit, and the pump with a 20' cord. **NOTE:** Photo is shown with optional third valve.
2. Attach both 3/4" bulkhead fittings into the predrilled holes at the top and bottom of the circulation bucket with the bulkhead rubber gasket on the inside wall of the bucket.
3. Attach both 3/4" tru-union valves to the newly installed bulkhead fittings via the preinstalled nipples.
4. Thread the lower tru-union valve to inlet side of the pump.
5. Attach one of the 10' hoses to the pump discharge. The opposite end of the hose should be fitted to the bottom of the equipment to be cleaned. Use the "assorted accessory kit" for additional fittings.
6. Screw the union side of the other 10' hose to the return valve located near the top of the bucket that was attached in step 3. Fit the opposite end of the hose to the top of the equipment to be cleaned. Again, use the accessory kit if necessary.
7. Thread the 90° street elbow to the inside of the top bulkhead fitting as an adjustable return spout.
8. Check that all connections are secure and all appropriate equipment valves are open.

PUMPMASTER PROCEDURES:

1. Slowly add prescribed amount of **RYDLYME** to the 8-gallon circulating bucket. Refer to your **RYDLYME** literature available at www.rydlyme.com, your sales representative and/or our technical department, for the proper **RYDLYME** quantities and dilutions for the application being cleaned. **NOTE:** If recommended quantity exceeds volume of the bucket, it will be necessary to turn on pump at this stage of the procedure.
2. Plug in the pump and periodically check for leaks. Maintain liquid level in the bucket, as a lowering volume indicates an open drain or system. Operation levels should be 1/3 of the receiving bucket, the remaining space in the bucket is for foaming and expansion.
3. Check circuit again. The **RYDLYME** solution should flow from the circulation bucket, through the pump and the equipment and back to the top of the bucket.
4. Return discharge foaming indicates active **RYDLYME** solution and presence of water formed mineral deposits.
5. During the cleaning procedure, additional **RYDLYME** and/or water may be required to maintain circulation. Maintain an adequate liquid level to prevent the pump from cavitating.
6. Circulate for recommended number of hours. This can be determined by referring to our literature, our website, or by contacting our technical professionals. When foaming action stops, **RYDLYME** strength is depleted (two pounds of deposits removed per gallon used) or the equipment being cleaned is free from calcium and other water formed mineral deposits.
7. If required, pour in additional material until prescribed quantities have been circulated. If the cleaning solution is expended, add more **RYDLYME** to complete the cleaning. Continue to periodically test solution for effectiveness.
8. Upon completion, begin your flushing procedure by adding water to the circulation bucket, then disconnect return valve from the circulating bucket and thoroughly flush. Continue water flushing the equipment for a minimum of 10 minutes or until discharge effluent runs clear.
9. **RYDLYME** is biodegradable, and in most instances may be purged down normal sewers. Check with local authorities before disposing of any complex compositions.
10. Turn off water and unplug pump, then immediately close discharge valves to prevent backflow.
11. Completely drain pump bucket. Disconnect hoses from equipment and liberally rinse bucket, pump, and associated hosing before neatly stowing.
12. Return equipment back to efficient service. Thank you for using our safe biodegradable descaler, **RYDLYME**.

PRECAUTIONS:

Please review MSDS, specifications, and our website for additional information, or simply call one of our knowledgeable technical representatives at 800-451-6291.