



## RYDLYME Pump Cart - 15PPC

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

1. Remove all of the contents from the 30-gallon circulation drum. This should include: three 10' rubber hoses, two center disk wrenches, and a 3/8" quick disconnect socket.
2. Attach one of the hoses to the pump discharge valve labeled "C" and the other end of the hose to the bottom of the equipment to be **RYDLYME** cleaned.
3. Connect another hose, from the top of the equipment to be **RYDLYME** cleaned, to the return valve labeled "A".
4. At this time, the circulation loop should be complete. Assure that all fittings are secure and that all valves are closed.
5. This 1.5" Pneumatic Pump Cart (15PPC) system requires an air supply of between 30 – 100 psi, depending upon the head height and flow rate desired. Please visit our website: [www.ApexEngineeringProducts.com](http://www.ApexEngineeringProducts.com) for pump curves.
6. Attach the quick disconnect fitting to your air source and the opposite end to the air hose fitting on the filter/regulator.
7. Slowly add prescribed amount of diluted **RYDLYME** to the cart's 30-gallon circulating drum. Please refer to your **RYDLYME** literature, your sales representative, and/or our technical department, for the proper **RYDLYME** quantities and dilution for the application being cleaned. NOTE: If recommended quantity exceeds volume of the drum, it will be necessary to temporarily turn on the pump at this stage of the procedure to lower the volume in the drum.
  - 7A. OPTIONAL: If you had purchased the **RYDLYME** material in either a 30- or 55-gallon drum, you may want to consider purchasing our Lutz drum pump (Model Number: 75LDP) for a more convenient manner in which to transfer the solution from the drum to the pump cart.
  - 7B. OPTIONAL: If desired, utilizing the third hose, you can connect it to the drum via a basic reducer. Connect the other end of the hose to the suction valve "D". Then tip the drum on its side and turn the pump on and slowly open valve "D". Once the fluid in the drum is low enough, you will need to open the remaining bung to act as a vent. You will be adding 100% **RYDLYME**, so add the necessary amount of water directly into the 30-gallon circulating drum. When utilizing our 330-gallon tote sized container, you may simply use the container itself as a circulation container with our camlock adapter. (Part Number: PV2-CAMRED015)
8. Ensure valve "D" is closed and open valves "A", "B" and "C". Open brass ball valve on the air supply to start pump, and watch for solution to return in the circulation drum. Observe any foaming and bubbling in the circulation drum. This indicates active **RYDLYME** and the presence of water formed mineral deposits being dissolved into solution. Check for leaks!
9. Add more **RYDLYME** solution, as needed, to maintain circulation and avoid running pump dry.
10. Observe any foaming and bubbling in the circulation drum. This indicates active **RYDLYME** and the presence of water formed mineral deposits being dissolved into solution.
11. Circulate until foaming action stops, indicating one of two possible scenarios:
  1. **RYDLYME** strength is depleted (2 pounds of deposits were removed per gallon used).
  2. Equipment being cleaned is free of water formed mineral deposits.
12. Circulate for recommended time or per the "testing the effectiveness" procedure available by visiting our website ([www.ApexEngineeringProducts.com](http://www.ApexEngineeringProducts.com)) or by contacting our technical department. Most **RYDLYME** cleaning applications only take between 2 to 4 hours.
13. If the solution is depleted, add more **RYDLYME** to continue cleaning more deposits from the equipment. To do so, close valves "A" and "C" (to prevent backflow), and turn off pump. Open drain valve on bottom of circulation drum (not labeled) and drain to sewer with water flush until drum is empty. Close valve. Once drum is empty, add fresh **RYDLYME** to drum. Then to restart, simply turn on the pump and immediately open valves "A" and "C".
14. Continue to test and add material until at least the prescribed quantities and circulation times have been met.
15. Upon successful **RYDLYME** cleaning, disconnect entire return valve "A" from the circulating drum and flush to sewer. It may be necessary to minimize pump flow by adjusting the air supply.
16. Once drum is nearly empty, and before cavitating pump, add water to drum. Continue water

*(Continued)*

- flushing the equipment for a minimum of 20 minutes or until discharge effluent runs clear.
17. Return hoses to circulating drum and stow away for later use.
  18. Return equipment back to service at peak operating efficiency.

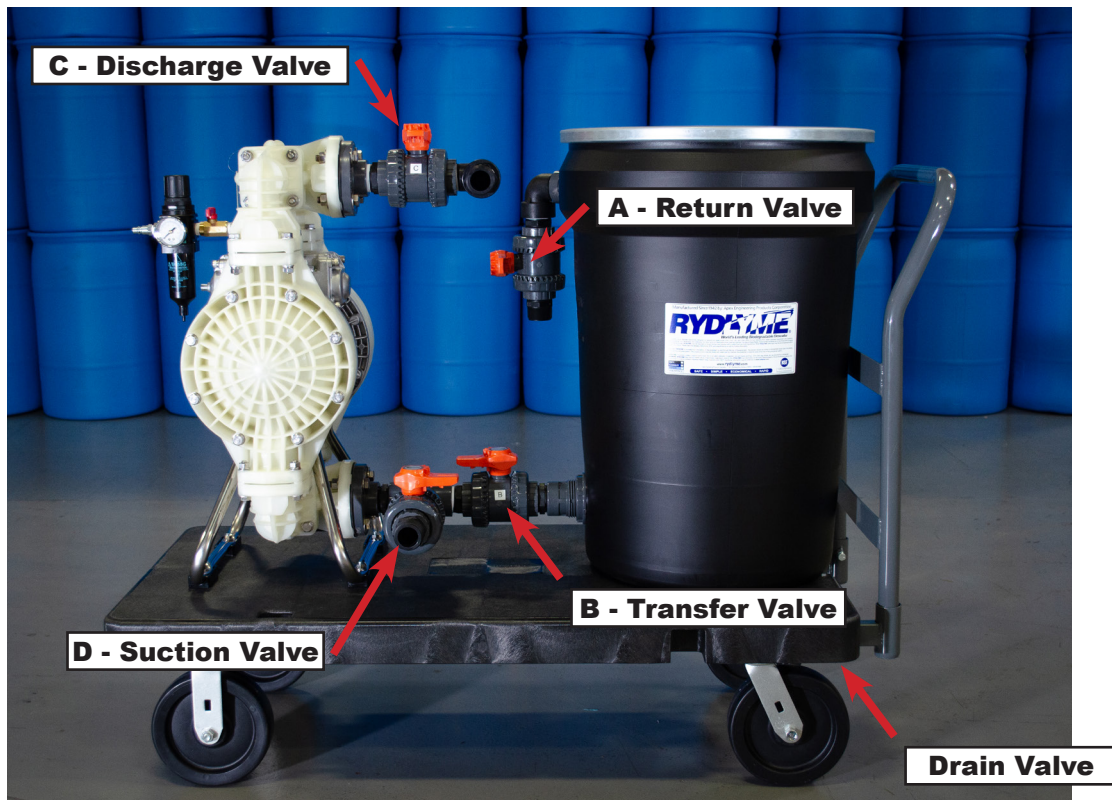
## Iplex Notch Wrench Handle



Remove turn valve handle from the top of the tru-union ball valve with pre-installed hex nipple.

Flip handle over and remove inner Apex Engineering Products cover by pushing through with a pencil or long, thin object.

Place upside down handle on tru-union ball valve and line up notches to use as a wrench to tighten or loosen fittings.



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