



## RYDLYME Pump Cart - 10PPC

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

Remove all of the contents from the 30-gallon circulation drum. This should include: three 10' rubber hoses, a 1" tru-union ball valve with pre installed hex nipple, and a 1/4" and 3/8" quick disconnect socket along with their respective air hose fittings.

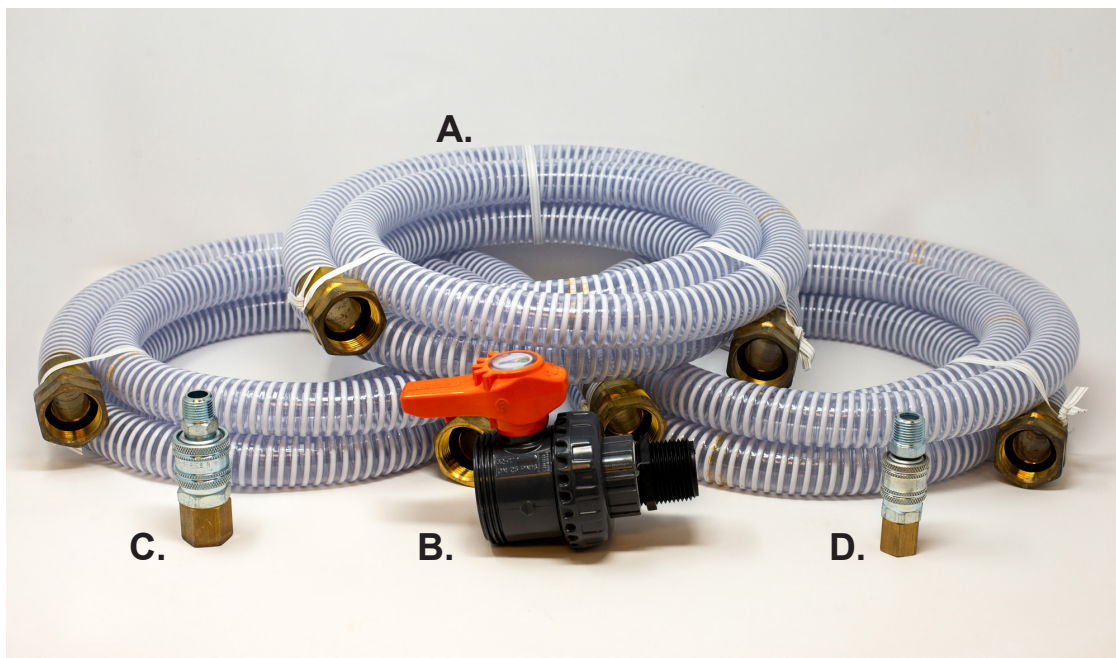
1. Attach the tru-union valve labeled "A" to the top side of the cart's 30-gallon circulating drum to be used as the return connection.
2. Attach one of the hoses to the pump discharge valve labeled "D" and the other end to the bottom of the equipment to be cleaned.
3. Connect another hose, from the top of the equipment to be cleaned, to the return valve labeled "A". This is the same valve you installed in step 2.
4. This 1" Pneumatic Pump Cart system requires an air supply between 20 – 100 psi, depending upon the head height and flow rate desired. Depending upon your air supply connection size, select and screw in either the 1/4" or 3/8" quick disconnect sockets.
5. At this time, the circulation loop should be complete. Assure that all fittings are tight and secure.
6. 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 turn on the pump at this stage of the procedure.
7. If you had purchased the **RYDLYME** material in either a 30 or 55 gallon drum, you may want to consider purchasing our Lutz electric drum pump for a more convenient manner in which to transfer the solution to the pump cart. When utilizing our 330-gallon tote sized container, you may simply use the container itself as a circulation container.
8. (OPTIONAL) In some cases, utilizing the third hose, you can connect the hose to the drum or tote via a basic reducer. Connect the other end of the hose to the suction valve "C". Then tip the drum on its side and turn the pump on and slowly open valve "C". 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.
9. Close valve "C" and open valves "A", "B" and "D". Open brass ball valve on the air supply to start pump, and watch for solution to return in circulation drum.
10. Add additional **RYDLYME** solution, as needed, to maintain circulation and avoid running pump dry.
11. Observe any foaming and bubbling in the circulation drum. This indicates active **RYDLYME** and the presence of water formed mineral deposits.
12. Circulate until foaming action stops, indicating one of two possible scenarios:
  - a. **RYDLYME** strength is depleted (2 pounds of deposits were removed per gallon used).
  - b. Equipment being cleaned is free of water formed mineral deposits.
13. Circulate for recommended time or per the "testing the effectiveness" procedure available by visiting our website or by contacting our technical department. Most **RYDLYME** cleaning applications only

*(Continued)*

take between 2 to 4 hours.

14. If the solution is depleted, add more **RYDLYME** to continue cleaning more deposits from the equipment. To do so, close valve "D" (to prevent backflow), and turn off pump. Open drain valve on bottom of circulation drum and drain to sewer with water flush until drum is empty. Once drum is empty, add fresh **RYDLYME** to drum. Then to restart, simply turn on the pump and immediately open valve "D".
15. Continue to test and add material until at least the prescribed quantities have been circulated.
16. Upon successful **RYDLYME** cleaning, purge solution with water, and continue to water flush until discharge runs clear.
17. Return equipment back to service at peak operating efficiency.
18. Return hoses, valve and pump to circulating drum and stow away for later use.

## Contents



- A. (3) Three 10' rubber hoses.
- B. 1" tru-union ball valve with pre installed hex nipple.
- C. 3/8" Quick disconnect socket with respective air hose fitting.
- D. 1/4" Quick disconnect socket with respective air hose fitting.

# Ipex Notch Wrench Handle



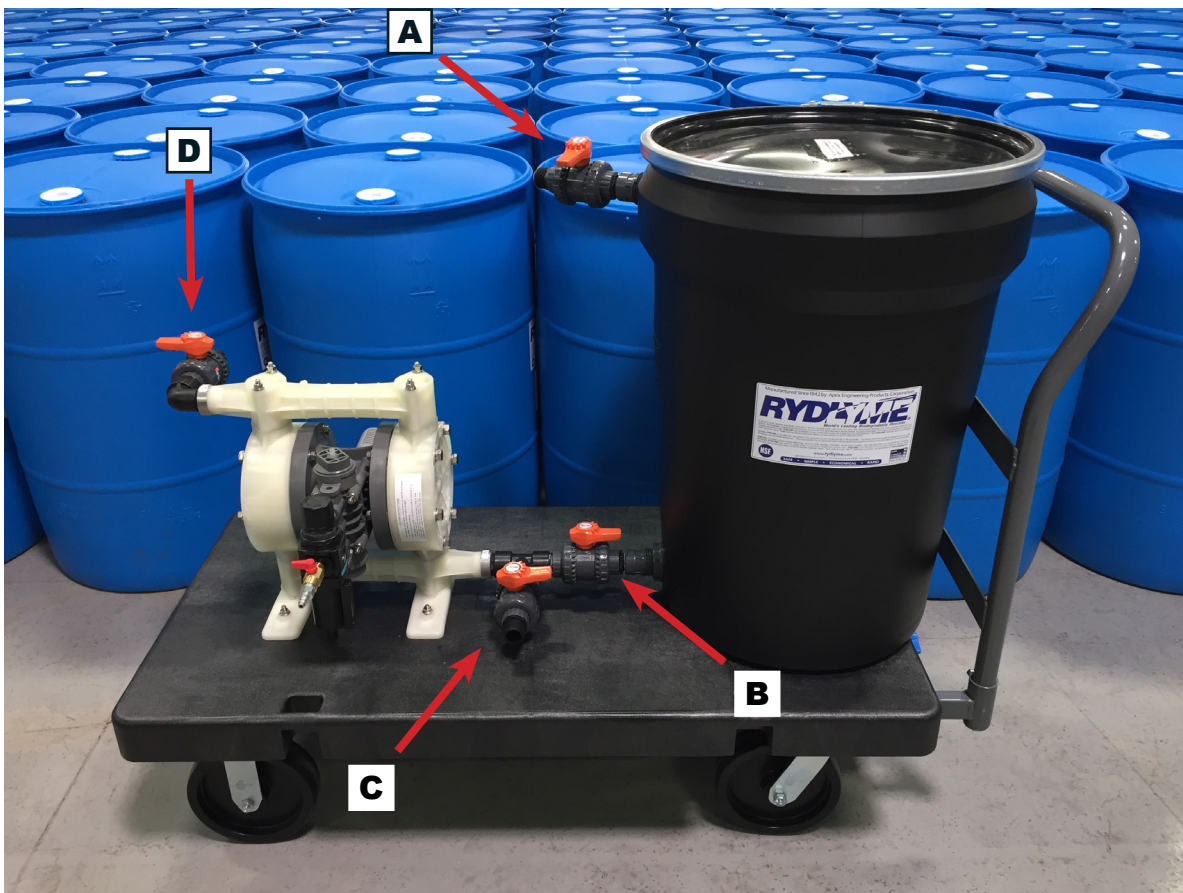
Remove turn valve handle from the top of the tru-union ball valve with pre-installed hex nipple.



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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For instructions and videos, please scan the QR code.