



Cleaning Systems

Industrial Cleaning

Surface Preparation

Waterjet Cutting

R.H.D. (Rotating Hose Device)



Aqua-Dyne's **R.H.D. System** is a revolutionary, **internal pipe cleaning** system with **specially designed cleaning nozzles**. The **hose is rotated** as it passes through the pipe while the cleaning **nozzle remains forced against the pipe wall to improve cleaning** compared to other pipe cleaning techniques. Applications include **cleaning of solidly blocked or scaled tubes**.

Applications:

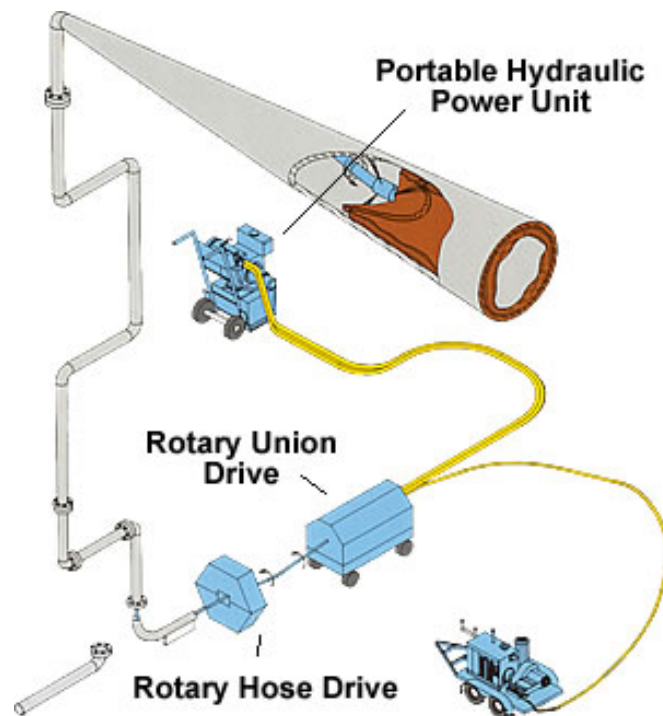
- The removal of many tough, hard or brittle deposits from the inside of tubular products with comparatively high cleaning rates.
- The cleaning of tubular products that are solidly plugged with a wide variety of deposits.
- The removal of many products from concrete, PVC, steel and any other pipe materials with minimal damage to the pipe.
- The cleaning of heat exchanger tubes in areas with limited access.

Features:

- Maximum working pressure - 40,000 psi.
- Maximum range- 200 gpm up to 12,000 psi; available in 8 gpm @ 40,000 psi.
- Maximum cleaning distance - 1500 feet in length.
- The unit can normally negotiate bends in piping systems.
- The machine is comparatively light and portable permitting its use in many small or elevated work areas.
- Rotational speed, rotational direction, pressure and flow are all remotely and independently controllable.

Advantages:

- Cleaning operation is automatic and thereby reduces the cleaning time compared to most manual cleaning techniques.
- Since forward speed and rotational speeds are independently set, the size of particles removed can be controlled more easily as compared to other cleaning techniques.
- Due to the fact that the operator is not in close proximity to the water jet, the system is safer than most manual high pressure water cleaning techniques.
- Being hydraulically powered it can be used in certain explosive type environments where many engine powered machines could not safely operate.
- The rotary action of the R.H.D. can greatly reduce the amount of streaking as compared to the more traditional manual line mole cleaning techniques.



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