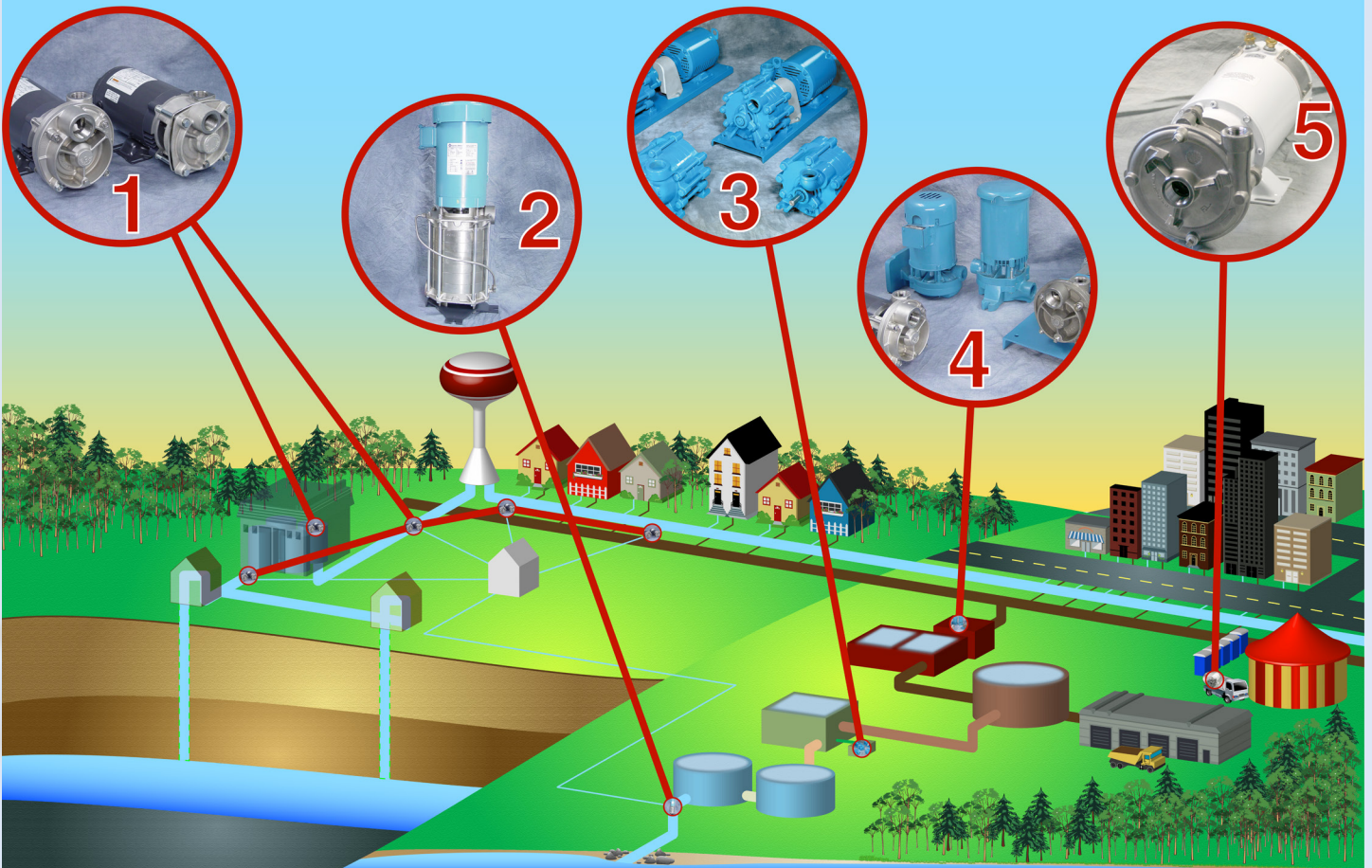


# MTH PUMPS

High Head, Low Flow Regenerative Turbine Pumps



MTH Pumps high-pressure, low flow regenerative turbine pumps are well suited for many uses in municipal and industrial applications.

1. Our T Series pumps can be used in **water sampling** applications where samples from many different locations need to be moved to one central location, sometimes over long distances, overcoming pressure differences and elevations of the terrain. Our investment cast stainless steel T Series pumps are perfect for **chemical dosing** in high pressure systems.
2. Our M Series pumps are made for

**pressure boosting**, particularly when water needs to be moved to multiple levels and locations within a system or facility.

3. All of our regen-turbine pumps can be used for **Dissolved Air Flotation (DAF)** applications as they can handle up to 20% entrained vapor to create a fine mist of bubbles that cling to particles and lift them to the top for skimming.
4. MTH's high-pressure pumps are

ideal for clean water **seal flushing** of the larger grinding and trash pumps because of their ability to overcome the pressures of the larger pumps.

5. More robust and better performing than its competition, our investment cast stainless steel 12 Volt DC10 pump can be mounted to a tanker truck creating a means of **washdown** anywhere a truck can go.



**Manufacturing MTH Pumps in the USA for 50 years, specializing in high-pressure pumps.**

**MTH PUMPS**  
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## Water Sampling Pumps

MTH Pumps are perfect for water sampling and testing in a clean water environment. Custom sized for required pressure and flow to guarantee the most efficient performance, our pumps can distribute water hundreds of feet away to testing sites throughout a water treatment facility. Accessories including priming bottles, strainers, and pressure relief valves are available at the factory to make your installation as easy as possible.

**Pictured to the right are our T Series Pumps capable of reaching pressures up to 300 PSI at low flow rates.**



## Seal Flush & Pressure Boosting Pumps

Single Stage & Multi-Stage Regenerative Turbine Pump Products

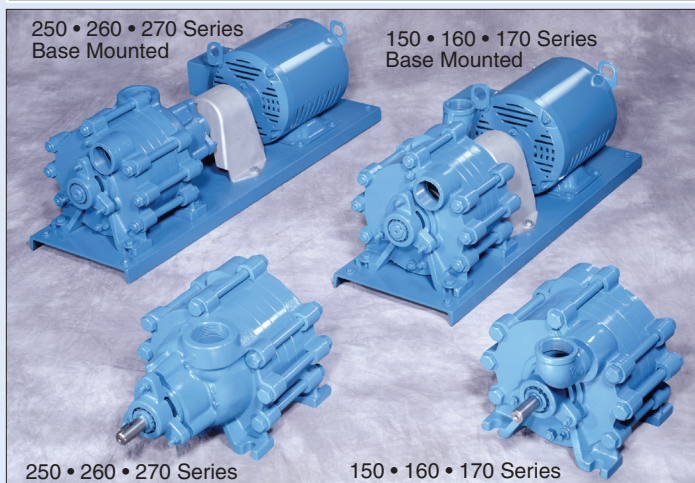
MTH regenerative turbine pumps are often used as seal water pumps on large flow pumping units. Clean water is pumped through the seal chambers of these larger pumps at pressures exceeding those found in the seal box. This flushing action is especially helpful in preventing contaminants from reaching the relatively soft mechanical seal faces of the larger pump that could cause very expensive and even catastrophic failure. The flushing action is also used to maintain seal face temperatures to within operating specifications that would otherwise cause degradation and failure.

The properties of a regenerative turbine pump are well suited for pressure boosting needs around a water treatment facility, such as spray/washdown, seal flushing, dust control, sampling applications, or to lift water from one elevation to a higher one.

**Pictured to the right are our M50 • L50 Pumps capable of reaching pressures up to 1000 PSI.**



## Pressure Injection & DAF Pumps



An example of pressure injection is the addition of chlorine to water treatment systems. In this application, a relatively small amount of water (generally, less than 30 GPM) is diverted from the main stream to an MTH pump, which provides the high pressure required to force the water through a special orifice which creates a vacuum that pulls chlorine into the system and mixes it into the main water line.

MTH regenerative turbines have the capability to handle up to 20% entrained vapor in certain circumstances. This makes them ideal for DAF applications, where air is injected into the pump inlet along with the fluid. The air/water mixture is then pumped into the bottom of a large wastewater tank where the cloud of air bubbles attaches to the waste materials, which then float to the surface of the tank where they are removed by skimming.

**MTH 100 • 200 Series regenerative turbine pumps offer high pressures at flow ranges beyond any of our other regenerative turbine products (up to 150 GPM).**

## DC Washdown Pumps

MTH offers a variety of small centrifugal pumps, as well as a number of regenerative turbine pumps, with a 12 volt DC heavy duty motor for portable spraying and washdown. The DC10, with its all stainless steel construction, is an excellent solution for washdown applications on portable restroom service trucks.

**To the right is the MTH DC10 Stainless Washdown pump, which can deliver 20 Gallons per minute at 40 PSI.**

