



General High Pressure Applications

Maviro offers a full range of automated high pressure services.

The combination of water efficiency with the latest advancements in robotics, automation, and mechanics has led to a revolution in industrial facility upgrades, cleaning and maintenance.

Why Are High Pressure Water Solutions So Effective?

- **Safer, with Fewer Injuries:** High pressure water technology solutions use automated systems and specialized nozzles to keep personnel at safer distances from high-risk work.
- **Faster, More Affordable Projects:** Smaller crews can handle larger projects in less man hours with the right technology.
- **Cleaner, Simpler Environmental Compliance:** From 5,000 -40,000 PSIs of water pressure we strip away residues and coke from vessels, pipes and heat exchangers, without any chemicals or flammable materials involved.

Common applications of our high-pressure water-blasting units include:

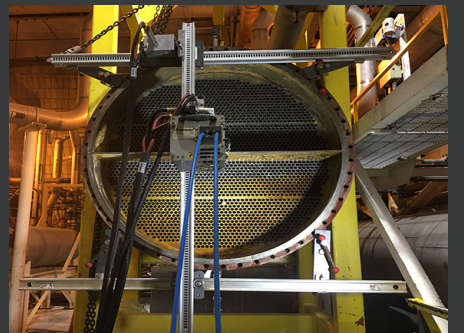
- Surface preparation
- Bundle cleaning
- Coating removal
- Tower/stack cleaning
- Line/tube cleaning
- Component washing
- Concrete demolition
- Water cutting
- Pressure testing

A key part of successful high-pressure operations is having the right tools for the job. Here are some of our more common accessories:

- Wide variety of standard nozzles
- Injection nozzles
- Rotating nozzles
- Deck/floor blasters
- 2D nozzles
- Cutting equipment
- 3D nozzles
- Concrete demolition equipment
- Pipeline skid units
- Blast track
- Rotating hose devices
- Rigid lancing equipment
- Slurry nozzles
- Bundle blasters



At Maviro, we continue to invest in new technologies and processes to improve safety and efficiency in the workplace.





High Pressure Cutting Applications

Safe, precise, and cost effective, hydro-cutting applications range from tower removal and flange prep to temperature-sensitive repairs and concrete demolition.

What Are the Benefits of Hydro Cutting?

- **Eliminates Combustion Hazards:** Water cutting is safe to use in high-pressure, flammable environments. The same can't be said of oxy/acetylene torches and other welding equipment.
- **Improves Temperature Control:** Certain materials may soften or expand from heat. Hydro-cutting keeps these materials from losing their shape and integrity.
- **Cleaner Cuts, Smoother Edges:** Automated hydro jets can cut virtually any material to very tight tolerances, within fractions of an inch. Unlike welding equipment, hydrocutting won't leave behind rough cuts and slag at the point of contact.

For use in applications where traditional cutting methods are not practical, our high-pressure cutting solutions are great for cutting:

- Fuel tanks
- Pipes
- Vessels
- Concrete
- Exchangers
- Reactor vessels
- Temperature sensitive metals

The advantages of high-pressure water cutting include:

- Minimal temperature deflection/problems
- Creates a dust like debris when wet, but will become airborne when dry
- Very precise
- No cutting oil
- Clean cuts (no burns or slag)
- Can cut a variety of materials
- Custom shapes
- Noise reduction
- 100% automated



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