

H2O Jet is a renowned, leading producer of ultra-high pressure pumps and parts with over **30 years of excellence**.

Our solutions are designed to meet the demands of high-volume, time-critical operations.

By simplifying waterjet processes, we enhance **reliability, lower operating costs, and increase output**. As a proven, US-based company, we have established ourselves as the leading brand for robotic systems and are trusted by prominent machine builders.

We offer tailored configurations, provide direct access to support from experienced experts, and maintain a customer-centric approach. With H2O Jet, you can expect the highest quality parts in the industry, ensuring exceptional performance and lasting value.

**WHY CONSIDER AN H2O JET INTENSIFIER PUMP?**

- Customizable options to meet your needs.
- Ideal for high on/off cycle applications. Start or stop on-demand.
- Longer maintenance intervals, faster & easier upkeep.
- One pump can supply multiple independent tables or cutting stations.
- Intensifier pumps only stroke when pressure drops below the pressure level setting, conserving energy.

How do **Skid Mount Pumps** compare to the rest of the pump line?

| Advantage   | Advantage EP   | Advantage EF  | Skid Mounted (SMP)  | Custom   |
|---|--|---|---|--|
| <b>Main Purpose</b><br>Assured uptime for operations relying on the waterjet; built-in features for simpler use | <b>Main Purpose</b><br>Same as Advantage, plus: higher max pressure                    | <b>Main Purpose</b><br>Same as Advantage, plus: unique/larger Intensifier for higher output       | <b>Main Purpose</b><br>Single-phase power option (10hp model)     | <b>Main Purpose</b><br>Basic, reliable operation   |
| <b>Main Feature</b><br>High-End PLC   | <b>Main Feature</b><br>Higher pressure   | <b>Main Feature</b><br>Higher water output  | <b>Main Feature</b><br>Lower cost                                 | <b>Main Feature</b><br>Pressure created to specs   |
| <b>Motor Sizes - Intensifier Options</b><br>50hp - Single or Redundant<br>100hp - Dual                          | <b>Motor Sizes - Intensifier Options</b><br>50hp - Single or Redundant<br>100hp - Dual | <b>Motor Sizes - Intensifier Options</b><br>75hp - Single or Redundant, EF Intensifier            | <b>Motor Sizes - Intensifier Options</b><br>10hp to 50hp - Single | <b>Motor Sizes - Intensifier Options</b><br>Project dependent  |
| <b>Doors/Covers</b><br>Std  | <b>Doors/Covers</b><br>Std   | <b>Doors/Covers</b><br>Std  | <b>Doors/Covers</b><br>Optional                                   | <b>Doors/Covers</b><br>Optional  |
| <b>Max Pressure Options</b><br>40k, 60kpsi  | <b>Max Pressure Options</b><br>94kpsi  | <b>Max Pressure Option</b><br>60kpsi  | <b>Max Pressure Options</b><br>40k, 60k, 94kpsi                   | <b>Max Pressure Options</b><br>100kpsi   |
| <b>Typical Use</b><br>Large, multi-cutting station operations   | <b>Typical Use</b><br>Fastest cutting; large, multi-cutting station operations         | <b>Typical Use</b><br>Large, multi-cutting station operations; limited floor space, multiple jets | <b>Typical Use</b><br>Typical cutting                             | <b>Typical Use</b><br>Pasteurization, Hydroforming, Atomization, HPP, Specialty Forming, Pressure Vessel Testing |



**COMPLETE METALWORKING SOLUTIONS**  
(800) 991-4225 [www.ahbinc.com](http://www.ahbinc.com)  
ISO Certified [customerservice@ahbinc.com](mailto:customerservice@ahbinc.com)



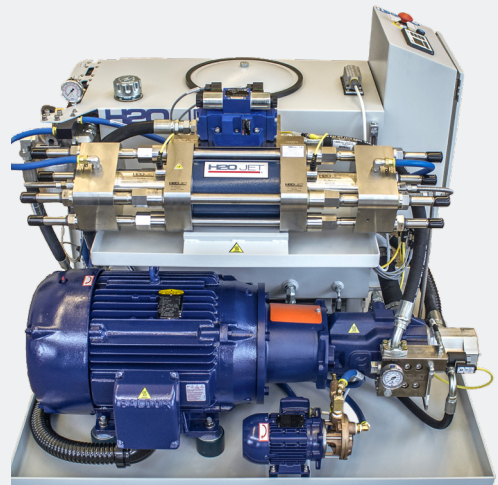
**H2OJET**

# Skid Mount Pumps (SMP)

**40,000 psi - 94,000 psi**  
HYDRAULIC INTENSIFIER PUMPS



SMP10, SMP15, SMP30, SMP50, SMP50 EP



# Skid Mount Pumps

Skid Mount Pumps (SMP's) are fully functional, reliable, and cost-effective pumps for applications that need high pressure water. They were designed with maintenance people in mind. The intuitive design is open for easy monitoring and intensifier access. Access to the intensifier, filters, and all of the key components is simple and easy. Despite the economical aspect, it includes very advanced features as basic, standard components. For example, despite having oversized hydraulic tanks, the base is made large enough to contain a large oil leak.

While economical, the SMP's include advanced features and options like electronic pressure control, green air/oil cooling, stabilizing boost pumps, and rugged powder coat finish. The 50-hp model has the added feature of being able to run a 94,000psi intensifier for the ultimate faster cutting and lower cost operation.

## Powering Performance H2O Jet Intensifiers

Our intensifiers offer effortless access and convenient offline replacement for maintenance. Meticulously crafted with advanced designs for check valves, hydraulic pistons, high-pressure cylinders, and 100% ceramic plungers, H2OJet intensifiers embody cutting-edge technology. Each unit achieves impressive performance, **with a delivery of up to 1.0 gpm at 60,000 psi.**

### SMP Pumps Run Single Intensifiers

Our SMP's hold one intensifier at a time. For operations that rely on their waterjet machine, we recommend having a spare nearby and on standby. When the operating intensifier is ready for maintenance, just remove it for off-line repair and install the backup. The process of swapping the intensifiers is simple and quick. This allows time to rebuild the removed unit with minimal impact on production.

### Attenuators

Our SMP pumps incorporate either a 1- or a 2-liter attenuator. The 2-liter attenuator is useful when running a 50-hp pump and cutting thick material with a large orifice; it will enable a steady high pressure water supply and smoother cut stream. The 50-hp version with 94,000psi intensifier would use the 1.1L attenuator.

### More Sizes Available – Contact Us For Information

| Specifications     | SMP10                 | SMP15                 | SMP30                 | SMP50                 | SMP50 EP              |
|--------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Intensifiers       | Single                | Single                | Single                | Single                | Single                |
| Max OP Pressure    | 60,000 psi (4150 bar) | 60,000 psi (4150 bar) | 60,000 psi (4150 bar) | 60,000 psi (4150 bar) | 94,000 psi (6481 bar) |
| Flow Rate          | 0.24 gpm (0.91 L/Min) | 0.31 gpm (1.17 L/Min) | 0.6 gpm (2.27 L/Min)  | 1 gpm (3.8 L/Min)     | .63 gpm (2.38 L/Min)  |
| Max Orifice Size   | .007" (.178 mm)       | .008" (.203 mm)       | .011" (.28 mm)        | .014" (.356 mm)       | .010" (.25 mm)        |
| Horsepower         | 10 hp (7.3 kw)        | 15 hp (11 kw)         | 30 hp (22 kw)         | 50 hp (37 kw)         | 50 hp (37 kw)         |
| Hydraulic Capacity | 25 gal (95 L)         | 25 gal (95 L)         | 50 gal (189 L)        | 50 gal (189 L)        | 50 gal (189 L)        |
| Cooling Water Flow | 2-3 gpm (7-15 L/Min)  | 2-3 gpm (7-15 L/Min)  | 3-5 gpm (11-20 L/Min) | 3-5 gpm (11-20 L/Min) | 3-5 gpm (11-20 L/Min) |
| Attenuator Volume  | 25 cu. In. (.41 L)    | 25 cu. In. (.41 L)    | 61 cu. In. (1 L)      | 61 cu. In. (1 L)      | 61 cu. In. (1 L)      |
| Length             | 44" (111 cm)          | 44" (111 cm)          | 47" (119 cm)          | 51.5" (131 cm)        | 51.5" (131 cm)        |
| Width              | 34" (86 cm)           | 34" (86 cm)           | 37" (94 cm)           | 43" (109 cm)          | 43" (109 cm)          |
| Height             | 33" (83 cm)           | 33" (83 cm)           | 41" (104 cm)          | 46" (118 cm)          | 46" (118 cm)          |
| Weight             | 770 lb (349 kg)       | 800 lb (362 kg)       | 1500 lb (680 kg)      | 1800 lb (816 kg)      | 1900 lb (862 kg)      |

## Did You Know? ABOUT H2O JET INTENSIFIERS

- Our intensifiers achieve the cleanest edge and faster cutting with the tightest pressure signals.
- The higher the pressure the less garnet consumed, delivering the lowest operating costs and minimal maintenance.
- Our pumps prolong the lifespan of fittings, tubing, and parts with the smoothest stroking.
- Our solutions are easily tailored to your unique requirements with a wide range of options.
- Made using latest designs and our own specialized production processes.
- The intensifiers are smaller, lighter, and easier to handle.



The advantage is clear with the H2O Jet Skid Mount Pump (SMP).

#### HYDRAULIC SYSTEM

- Large hydraulic oil reservoir extends life and protects system components.
- Oil temperature sensors for system protection and alerts.
- Factory calibrated proportional pressure control system to ensure exact pressure.

#### INTENTIONAL & ERGONOMIC DESIGN

- Easy access to common maintenance areas.
- Easy access to pressure control on touchscreen.
- Intensifier is at an ideal workheight.

#### LOW PRESSURE WATER

- Pressure gauges before & after filters.
- Pressure sensor for incoming water ensures protection of components, prevents cavitation.

#### STATE-OF-THE-ART ELECTRICAL CONTROLS

- Intuitive & easy to operate.
- Industry standard Allen Bradley controls system.
- Our standalone pumps with onboard PLCs enable seamless hookup to nearly any system.
- Optional wye delta or soft starter.
- Operation tracking, stroke, & hour counting for maintenance recordkeeping (early maintenance warnings built in).

