

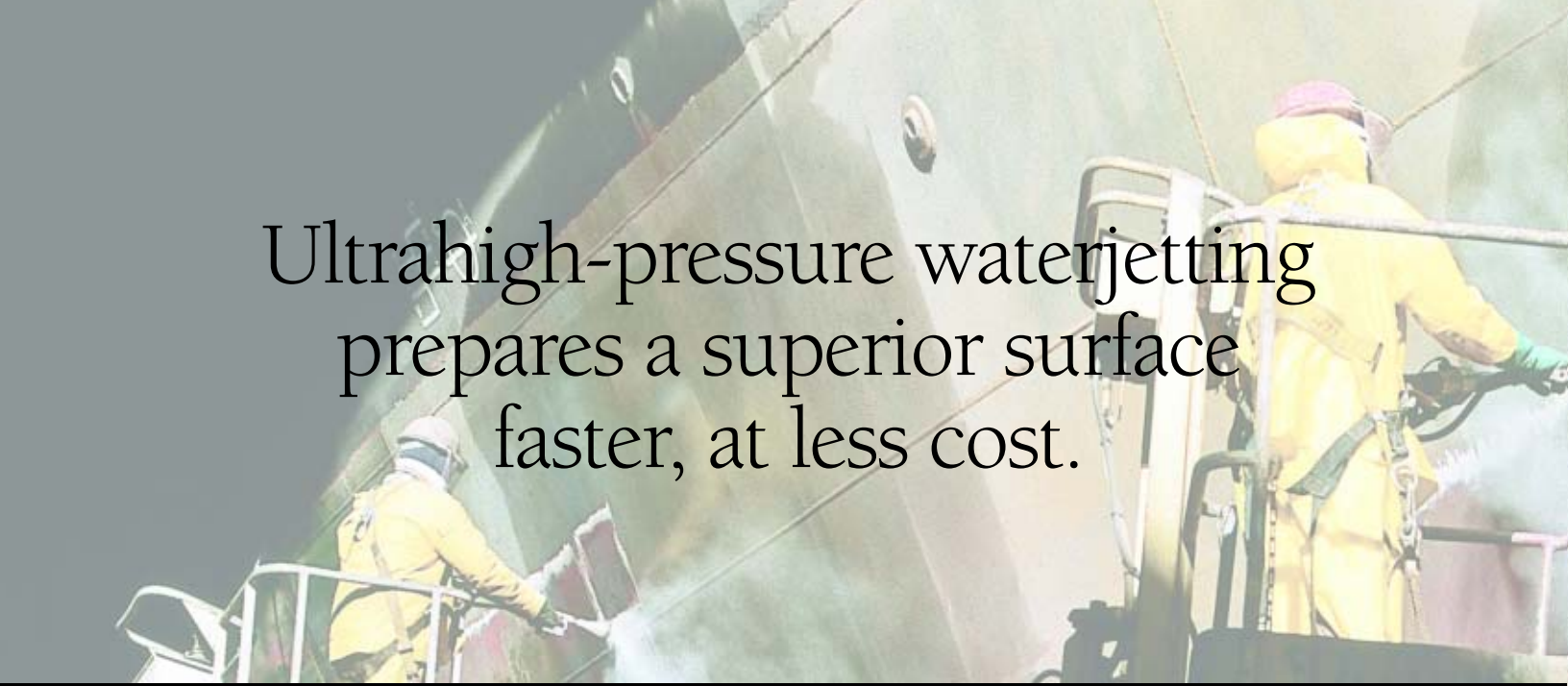


Flow

Ultrahigh-Pressure (UHP) Waterjet Surface Preparation

FLOW Waterjet
is your competitive
advantage for
surface preparation.





Ultrahigh-pressure waterjetting prepares a superior surface faster, at less cost.

Other Work Can Be Done During Waterjet Operations

Waterjetting produces no grit, so steel, mechanical and electrical work, or painting, can be performed concurrently with surface preparation. Projects are completed in less time.

Waterjetting Is Lower Cost Than Grit Blasting

Only pure water is used. This eliminates costs for containment, collection and disposal of abrasive.



100% Collection Of Removed Coatings Saves Time And Money

High productivity and no cleanup means less time spent per project.

Coatings Adhere Better To A UHP Waterjetted Surface

Waterjetting produces lower levels of soluble salts so coatings adhere better.





No Masking Or Tarping Of Equipment Is Required

The environmentally clean waterjetting process requires no masking or tarping to protect sensitive equipment such as motors, bearings, etc. Projects require less time and less money to complete.



Surface Preparation Can Even Be Conducted Under Voyage

Waterjetting is so versatile it replaces grit blasting in many highly sensitive areas.



Diesel HUSKY®

The HUSKY is the industry standard for portable UHP surface preparation and cleaning. It is the only pump on the market capable of delivering 40,000 psi and flow rates up to 6.5 gpm. The HUSKY can drive single or multiple tools with equal and uninterrupted flow and pressure.

SPECIFICATIONS:

High-pressure pump	Triplex, direct drive, external pressure compensation, liquid cooling system
Maximum continuous operation	40,000 psi, 6.5 gpm
Water filtration	10 micron absolute
Weight (without fuel tank)	6,100 lbs
Mounting type	Skid, or optional trailer mount
Engine	Caterpillar, 205 hp, 2,100 rpm continuous duty, 6-cylinder, turbo-charged
Options	9 gpm hydraulic power take-off (PTO); 3 handtool ports, air compressor



Electric HUSKY®

The electric HUSKY is the most powerful and durable UHP pump on the market. It is ideal for the marine industry and other stationary surface preparation applications—from handheld industrial cleaning and surface preparation jobs, to robotic cleaning installations in enclosed factory settings. Only the HUSKY can deliver 40,000 psi and continuous flow rates up to 5.6 gpm.

SPECIFICATIONS:

High-pressure pump	Triplex, direct drive, external pressure compensation, liquid cooling system
Maximum continuous operation	40,000 psi, 5.6 gpm @ 1,750 rpm
Water filtration	10 micron absolute
Weight	4,500 lbs
Mounting type	Skid, or optional shipyarder package
Electric motor	Reliance, 150 hp continuous duty



The automated HydroCat™ reduces your overall project cost.

Attaches Itself With Vacuum To Vertical, Horizontal And Overhead Surfaces

The revolutionary, new HydroCat adapts to any common surface prep project, including overhead surfaces such as the bottom of ships, or vertical and horizontal surfaces such as tanks.



Works Easily Around Obstructions

The omni-directional HydroCat is highly maneuverable and works easily around obstructions such as keel blocks and cribbing. It can be used for full or partial coating removal.



Collects 100% Of The Water And Removed Coatings

The HydroCat is equipped with a FlowVac™, which provides powerful vacuum for secure attachment of the HydroCat to the work surface. The HydroVac also collects 100% of the water, removed coatings and corrosion. This high-productivity system leaves absolutely nothing in the air or ground to clean up.



Paint Solids Are Contained In Disposable Bags

FlowVac transports 100% of the removed coatings, corrosion and water from the HydroCat robot to a filter bag, where paint solids and corrosion are filtered out and contained in easy haul-away bags. Filtered water can usually be drained to a sewer.





HydroCat Is Simply The Fastest Way To Remove Coatings In Many Marine And Industrial Applications

The HydroCat is the best solution for removing coatings from a variety of surfaces including metal and concrete. It is ideally suited to many surface prep applications in industries such as:

- Shipyards
- Painting contractors
- Tank farms
- Shipbuilders
- Petrochemical



Painting And Stripping Can Be Performed Simultaneously

Waterjetting operations require no containment so painters and other trades can work side-by-side.



The HydroCat

The revolutionary, new HydroCat is an omni-directional surface preparation robot that attaches itself, using vacuum, to any vertical, horizontal or overhead surface. It collects 100% of the water, removed coatings and rust, and runs with a single operator.

SPECIFICATIONS:

Robot:

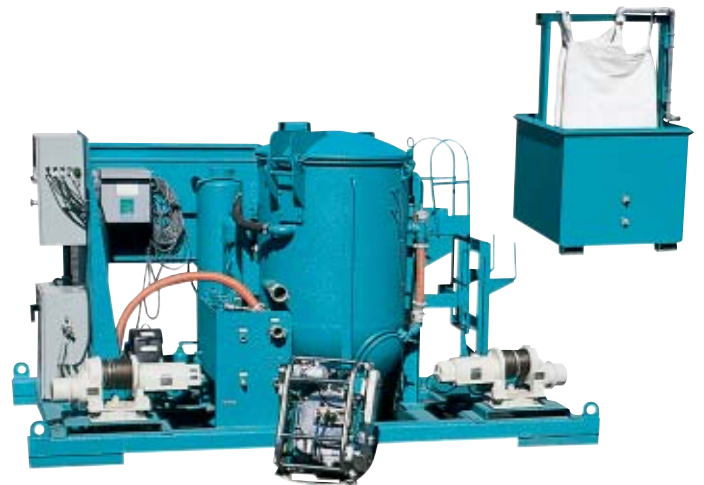
Cleaning path	12-inch
Steering	Omni-directional, joystick
Pump	Diesel HUSKY, 40,000 psi, 6.5 gpm or electric HUSKY, 40,000 psi, 5.6 gpm
Weight	175 lbs
Cleaning head	8-jet UHP cleaning head with Hornet™ nozzles
Attachment	Patented suction seal

FlowVac:

Function	Provides vacuum attachment and collection
Size	156 x 86 x 86 inches
Weight	7,500 lbs
Blower	Roots P.D. blower

Filter:

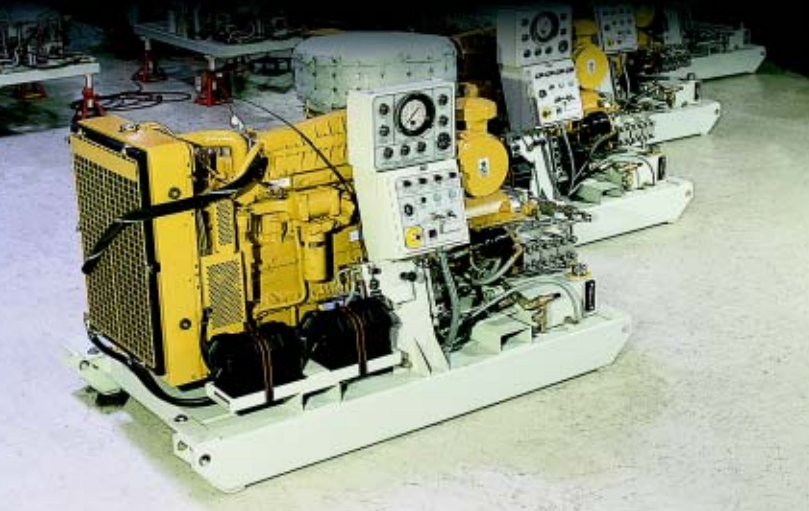
Bag size	1 cubic yard with easy lift straps
Weight	500 lbs



Why choose FLOW equipment?

More Equipment And More Experience In The Field

FLOW currently has more pumps in the field than all other UHP manufacturers combined, with a total in excess of 1,000,000 pumping hours.



Run Multiple Tools With Uninterrupted Pressure

The HUSKY is the only UHP pump that can support up to three operators at a time and still deliver consistently high pressure.



FLOW Pumps Operate At Higher Pressures And Deliver Increased Productivity

FLOW's HUSKY pumps operate at 40,000 psi with no hedging, no backing off. This means consistently high productivity for your surface prep projects.



FLOW Trains Your Operators To Be Successful

In the field or at our state-of-the-art regional training facilities, FLOW offers comprehensive training classes for your operators. And each FLOW system ships with technical manuals that have been described by our customers as being the most useful, easy to understand manuals they have ever used. Maintenance and safety videos are also available.



FLOW Pumps And Components Are Built To Last And Offer The Lowest Cost Of Operation

Advanced materials such as ceramic plungers prolong component life under harsh field conditions. Simple to replace rebuildable cartridges make field maintenance easy and quick.



FLOW Is The Technology Leader

Each year FLOW invests 5-6% of revenues in R&D to advance the productivity—and reliability—of UHP.



Patented Nozzles Clean Better And Faster

FLOW's full line of high production nozzles provides the right nozzle for any high production or tough material removal application. The patented Hornet nozzle directs a coherent, highly focused jet stream that gives the highest removal rates on hard materials.



The FLOW Service Network Extends Around The World

FLOW is the only waterjet company in the world that offers total solutions from a single source, both before and after your system is installed. A call to our 24-hour hotline initiates a rapid response to any maintenance emergency you may have.



A-3000

With high rotation speed and ultralight weight, FLOW's A-3000 handtool is the only truly lightweight, high-efficiency, ultrahigh-pressure handtool rated for up to 45,000 psi surface preparation work.

SPECIFICATIONS:

Rotation speed	3,000 rpm maximum rotation speed
Cleaning jets	Uses multiple orifice tips ranging from 2-jet to 9-jet
Weight	11 lbs
Pressure	Up to 45,000 psi
Flow rate	Up to 6.5 gpm



DeckHog™

The DeckHog is a mobile and highly maneuverable surface prep tool. It attaches easily to a HUSKY pump, and can reach under clearances as low as 15.5 inches. The DeckHog is simple to operate, and its compact size and detachable handle make it easy to transport.

SPECIFICATIONS:

Cleaning path	8-inch (approx.)
Pump	HUSKY, 40,000 psi, 6.5 gpm
Rotation speed	3,000 rpm maximum rotation speed
Cleaning jets	8-jet cleaning nozzle with patented Hornet nozzles
Weight	85 lbs



Why Industry Is Moving To Waterjet Surface Preparation

Major coating manufacturers have recognized the benefits of waterjetting and now supply a line of compatible coatings to apply directly to waterjetted surfaces.



Waterjetting Is So Widely Accepted

NACE/SSPC and most coating manufacturers now publish written and visual specifications for waterjetted surfaces.



FLOW's Technology Leadership Means

- Systems with more than 40 million combined working hours worldwide
- An R&D team with over 300 years of accumulated ultrahigh-pressure experience
- Annual investment in research and development that exceeds all other UHP companies combined
- UHP breakthroughs such as the world's first 40,000 psi direct drive pump, the Hornet nozzle, and the revolutionary HydroCat

Flow International Corporation

is the world's leading developer and manufacturer of ultrahigh-pressure (UHP) waterjet technology for cutting, cleaning and food safety applications. FLOW provides total system solutions for industries including automotive, aerospace, paper, surface preparation and food production.

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