AQUAJET®

COMPLETE HYDRODEMOLITION SOLUTIONS



PRODUCT CATALOGUE

2026/2027

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AQUA CUTTER
750V

The Aquajet way

Since 1988, Aquajet has been dedicated to creating the best hydrodemolition equipment on the market. Based in Vetlanda, Sweden, we handle everything in-house — from design and manufacturing to delivery and after-sales support — ensuring high-quality, efficient, and sustainable products.

We are committed to innovation and quality, continuously improving our solutions to meet the evolving needs of the industry. Our strong global network allows us to offer tailored support to customers around the world, ensuring we meet local requirements with expert service.

As active members of key industry organizations like the European Water Jetting Institute (EWJI) and the International Concrete Repair Institute (ICRI), we stay connected to the latest trends and best practices. This helps us deliver high-quality solutions that make your work safer and more efficient.



All about hydrodemolition

Hydrodemolition is a cutting-edge technique that utilizes high-pressure water jets to remove concrete with precision and efficiency. This method is ideal for a wide range of applications, from surface preparation to structural maintenance, without causing damage to the underlying material.

Aquajet's hydrodemolition equipment is designed to handle the most demanding projects worldwide, offering unparalleled versatility and reliability. With our advanced technology, the possibilities for hydrodemolition are endless, making it the preferred choice for professionals seeking top-tier results.

Results always depends on pressure and flow

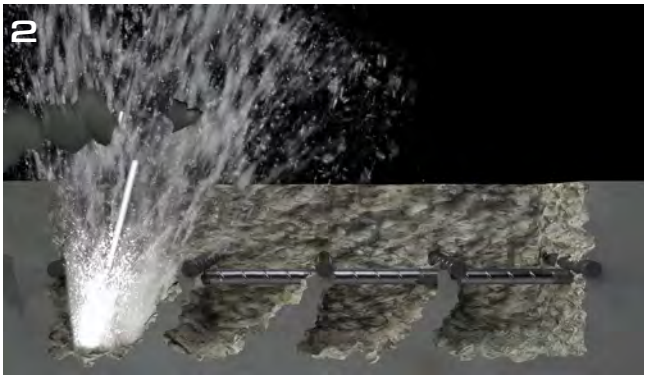
To achieve optimal results in hydrodemolition, it's crucial to align the pressure and flow of the water with the project's specific objectives, such as removing a preset depth of concrete, surface preparation, or rust removal. Both water pressure and volume are vital; higher pressure and low flow yield precise cuts, while lower pressure and high flow enable selective removal of deteriorated concrete. Adjusting these parameters ensures efficient, high-quality project completion.

How does hydrodemolition work?

The key element of hydrodemolition is to pressurize and widen existing pores and micro cracks in the weakened concrete structure using high-pressure water penetration. Material is removed as the build-up pressure exceeds the tensile strength of the concrete.



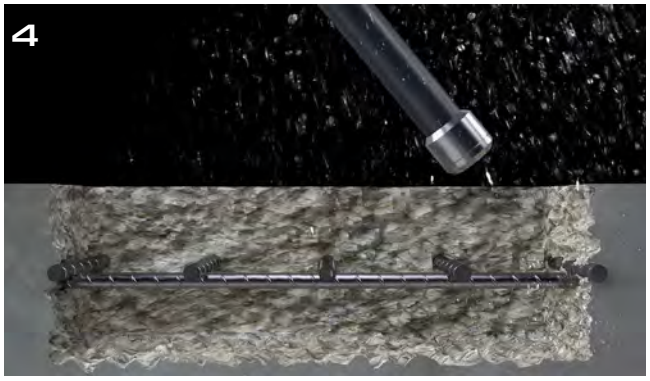
The water jet penetrates existing cavities and cracks.



By exposing the concrete to the water jet for a certain time you reach the desired depth.



By changing the angle of the lance the remaining material under the rebar (the shadows) will be removed.



The remaining area consists of structurally sound concrete and is now prepared for the application of a new layer.

Advantages

Hydrodemolition offers numerous advantages that make it a preferred method in construction and maintenance projects. By removing only deteriorated concrete, it preserves reinforcement bars, minimizes structural damage, and enhances worker safety. The process produces superior surface quality for optimal bonding, reduces dust and waste, and offers significant cost savings, making it a sustainable and economical choice.



Concrete removal or surface preparation

To achieve optimal results in hydrodemolition, it's crucial to align the pressure and flow of the water with the project's specific objectives, such as removing a preset depth of concrete, surface preparation, or rust removal. Both water pressure and flow are vital; higher pressure and low flow yield precise cuts, while lower pressure and high flow enable selective removal of deteriorated concrete. Adjusting these parameters ensures efficient, high-quality project completion.



Efficiency, productivity and quality

Hydrodemolition robots outperform traditional methods like chipping hammers and handheld water jetting by reducing labor, minimizing injury risks, and ensuring consistent quality. Their high-speed concrete removal shortens project timelines, making them ideal for large-scale jobs. Automated systems enhance productivity through remote operation and precise control. Unlike mechanical methods that cause vibrations and potential structural damage, hydrodemolition preserves structural integrity by using water jets to break concrete without creating micro-cracks or stress.

SELECTIVE REMOVAL

NO MICRO CRACKS

ENVIRONMENT FRIENDLY

SAFER WORK ENVIRONMENT

INCREASED PRODUCTIVITY

IMPROVED SURFACE QUALITY

COST SAVINGS



A greener method

Water is essential in every stage of hydrodemolition – from sourcing to treatment and discharge – and strict environmental regulations make proper handling crucial. Fresh water can be supplied from tanks or natural sources, and wastewater is easily managed with Aquajet's Ecoclear system. Ecoclear automatically balances pH, removes suspended solids, and enables safe discharge or reuse in a closed-loop process. This real-time treatment solution helps contractors work sustainably, reduce freshwater use, and minimize waste handling.



Safer working environment

Hydrodemolition enhances job site safety by using high-pressure water jets instead of mechanical tools, eliminating airborne dust and silica exposure and greatly reducing the risk of respiratory issues such as silicosis. With robotic operation, workers are kept safely away from debris and other hazards, while the method also minimizes vibration-related injuries common in traditional concrete removal. Combined with innovations like the Ecosilence 3.0 high-pressure pump, which further reduces noise levels, hydrodemolition ensures a safer, quieter, and more efficient work environment.

Hydrodemolition equipment

Our line of hydrodemolition equipment provides a complete solution for concrete repair, surface preparation and industrial cleaning. With hydrodemolition robots, water treatment systems, high-pressure pumps and accessories Aquajet provides cutting-edge technology for the toughest jobs.

Hydrodemolition robots

Advanced machines designed for precise concrete removal and surface preparation on both reinforced and non-reinforced structures in all orientations. Equipped with computerized control systems, they accurately manipulate high-pressure water jets and offer remote operation for safe oversight.

Hydrodemolition pumps

High-pressure pumps, with a minimum power rating of 300 hp/220 kW, are vital components of hydrodemolition equipment. These pumps generate the high water pressure necessary to propel water jets and effectively dislodge concrete, ensuring efficient concrete removal.

Wastewater treatment system

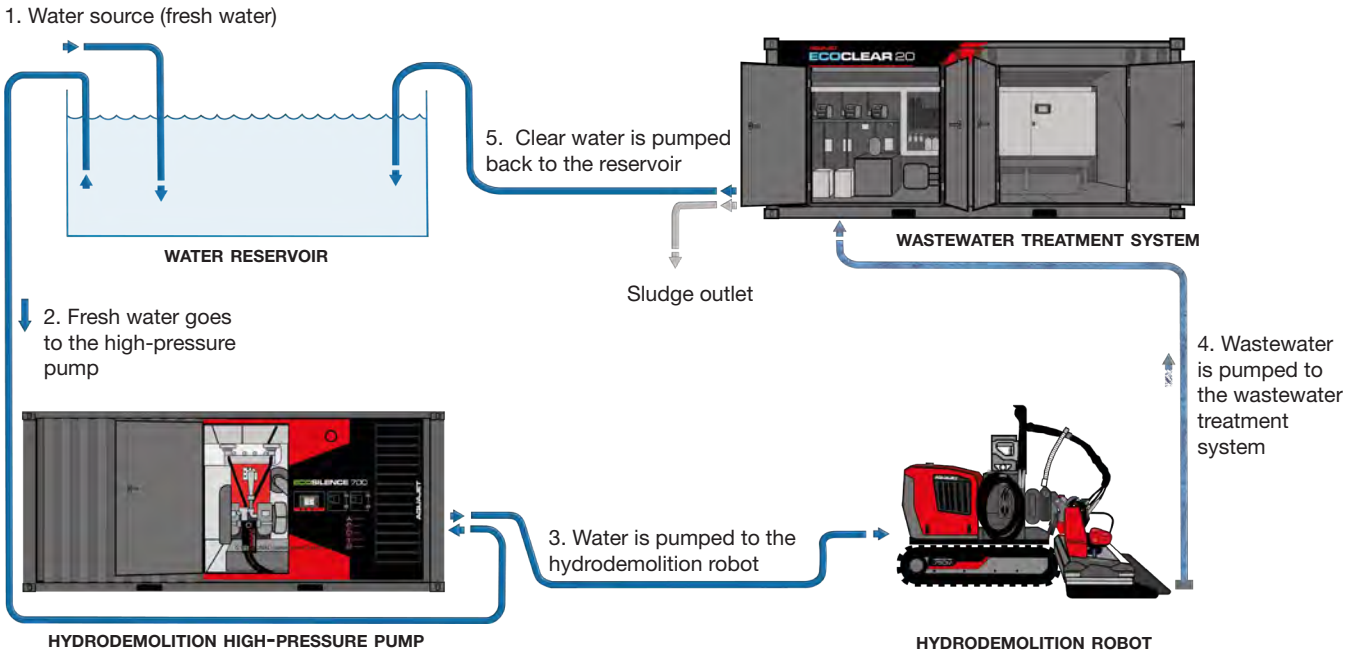
Hydrodemolition generates a significant amount of wastewater with elevated pH levels, containing concrete particles and debris. To comply with environmental regulations and ensure proper disposal, a wastewater treatment system can be employed. Ecoclear corrects the pH, separates and removes suspended solids from the wastewater, allowing for the safe disposal or recycling of the treated water.







Hydrodemolition process



Results depending on pressure and flow



Selective removal

Selective removal is one of the basic principles of hydro-demolition. By using lower water pressure combined with higher flow, the effect on the concrete becomes selective. Only the deteriorated or damaged concrete is removed, while the sound concrete remains intact. As a result, the sides and the bottom of the cut will be a little rough since it follows the quality of the concrete.



Controlled depth removal / Hydromilling

Controlled depth removal means using higher water pressure combined with lower flow, that will result in a more cutting effect on the concrete. The result will be more even along both the sides and the base of the cut. It will remove all concrete specified in the control system, regardless of the quality of the underlying concrete.



Scarifying and surface preparation

Hydrodemolition can be used to scarify or roughen concrete surfaces in preparation for overlays, coatings, or bonding of new concrete. When the aim is to create an optimal bonding surface while minimizing material removal, employing a rotating tool proves highly effective. This will ensure precise and swift removal of a shallow layer of concrete, resulting in an rough bonding surface for new coating.



Rust and paint removal

High-pressure water can also be used to remove paint or rust, avoiding use of grid blasting. This means no dust pollution, no contaminated sand to dispose of, just a clean steel surface left after removal. Rubber coatings or rubber on, for example, airplane runways from the tires can also be removed.



Industrial cleaning

Traditional industrial cleaning has historically been carried out by handheld tools. This is a very dangerous operation and can be avoided by the use of robotic cleaning. More and more contractors are switching from manual to automated cleaning, increasing both safety and efficiency.


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HYDRODEMOLITION ROBOTS

Aquajet's Aqua Cutter and Ergo series represent the forefront of hydrodemolition robots, designed to deliver precision, power, and safety in every application. From large-scale concrete removal to confined-space operations, these systems combine intelligent control, user-friendly operation, and unmatched versatility — ensuring maximum performance and consistent results on every job.



Features & innovations

AQUAJET HYDRODEMOLITION ROBOTS

Evolution control system

The Evolution control system is the advanced brain behind Aqua Cutter hydrodemolition robots, delivering exceptional efficiency, precision, and ease of operation. With programmable functions and an intuitive interface, it simplifies even the most complex tasks, enabling operators to achieve outstanding results.

Key features:

- Advanced robotic management; Manual or Automatic
- Programmable functions
- Smart lance control
- User-friendly interface
- Safety features
- Remote operation capabilities
- Data monitoring
- Automatic setting calculations
- Maintenance tracking

Infinity oscillation

Infinity oscillation is Aquajet's patented breakthrough in hydrodemolition technology, delivering smooth, continuous lance motion for superior concrete removal. Unlike standard oscillation, Infinity maintains constant surface speed—eliminating pipe holes, improving cut quality, and dramatically increasing productivity. Fully integrated with the Evolution 3.0 control system, it automates optimal settings and ensures consistent, high-performance results across any surface.

EDS (Equal Distance System)

Aquajet's patented EDS (Equal Distance System) ensures a constant distance between the nozzle and the concrete surface, regardless of the water jet's attack angle. Unlike standard systems, which lose efficiency due to fluctuating distances, EDS maximizes power delivery, enhances precision, and improves concrete removal—especially around rebar.

SLT (Smart Lance Technology)

Integrated into every Aqua Cutter robot with the Evolution control system, Smart Lance Technology (SLT) is Aquajet's patented software that automates the entire hydrodemolition process. By calculating, coordinating, and optimizing lance movement based on a few simple operator inputs, SLT delivers unmatched precision, efficiency, and productivity with real-time feedback and built-in safeguards.

ISC (Intelligent Sensing Control)

Aquajet's ISC (Intelligent Sensing Control) uses advanced closed-loop software to continuously monitor and memorize water jet movement during operation. Built into all Aqua Cutter robots and the Ergo system, ISC ensures trouble-free performance, reduced downtime, and easy programming—so you can focus on results, not cables.

Multi-positioning

Many of our products has multi positioning features, either directly on the product or indirectly via an attachment. All of these features further enhances our hydrodemolition robots capacity and flexibility - making work easier for the operator.

Featured on all Aqua Cutter V-models, Aquajet's Multi-axis 3D Positioning System gives you full control over the robot's tower and front section, allowing precise movement in virtually any direction. Whether you're working on high walls, tight spaces, or hard-to-reach surfaces, this system ensures optimal lance positioning, stability, and ease of inspection—maximizing efficiency and adaptability on every job.

- **Tower positioning system**
  Forward/backward movement – Adjust the tower to control distance from surface. Increased stability when extended – Handles greater reaction forces during operation. Seamless inspection reset – Retract for checks, then return to the exact same working position.
- **Vertical hoist movement**
  Raise or lower the hoist with the front attached to it along the tower for extended reach on tall structures.
- **Front rotation**
  Nearly full 360° rotation capability of the front section for optimal access to complex or tight areas.
- **Hydraulic side shift function**
  On V-models, the entire front can be hydraulically shifted left or right—ideal for fine-tuning the distance to a wall or extending reach to the side.
- **Manual beam offset**
  On all 450 and 750 models, as well as the Aqua Rail system, the complete roller beam can be offset sideways in its brackets. This allows you to extend reach or adapt the setup for specific tasks.
- **Tilt function**
  Tilt the front up or down for wall work in front of the robot or to visually inspect surface results.

Quick connection

Both the Aqua Cutter robots and the Ergo Controller are equipped with quick connection solutions designed to make everyday work faster, safer, and more efficient. On the Aqua Cutter, quick connections on the hydraulics allow operators to change attachments with ease, while the entire robot front can be disconnected just as quickly. The Ergo Controller offers the same hydraulic quick connections, ensuring a fast and easy setup.

Adjustable tracks

Easily adjust the track width on the Aqua Cutter robots — narrow for tight spaces or wide for greater stability and higher reaction forces. Tracks can be moved symmetrically or individually for flexible setup in any environment.

Foldable back cover / Gullwing hood

The Aqua Cutter 410 and 450 are equipped with a foldable back cover that folds down for quick daily maintenance. For complete accessibility, the cover can also be fully removed—making inspections, servicing, and repairs faster and more efficient. The Aqua Cutter 710 and 750 take accessibility a step further with a unique gullwing hood combined with a foldable back cover. This design provides effortless access for both routine checks and full-scale repairs, ensuring every component is always within easy reach.

Extendable tower system

All Aqua Cutter V-models feature an extendable tower system. Simply add extra tower sections using a quick single-bolt connection to increase vertical reach with ease. For even greater height, an optional tower support is available—providing additional stability beyond what the robot can support on its own.

Hydraulic and articulated arm

All Aqua Cutter A-models feature a hydraulic, articulated arm that rotates to follow curved surfaces and extends up to 3 meters (9.8 feet) from the robot, allowing for precise operation on curved, horizontal, vertical, and overhead surfaces.

Detachable PCM

All Aqua Cutter 410 and 450 models feature a detachable Power Control Module (PCM), allowing the power unit and tracked crawler to operate independently. The electric PCM stays in a secure, dry location while the fully submersible, radio-controlled crawler works in confined or hazardous environments such as flooded sewer pipes or narrow tunnels. When detached, the PCM is placed on a dedicated Carrier trolley for easy transport and maximum mobility.

Precision drive

Integrated into the Aqua Cutter 450 and 750, Precision Drive offers highly accurate, responsive hydraulic control. By eliminating micro-movements and mechanical inconsistencies, it ensures optimal surface quality and repeatable cutting precision.

Inclination sensor

The Aqua Cutter 450 and 750 feature an inclination sensor, integrated with the Aquajet Connected Control, enhances safety by shutting off Auto mode and high-pressure water if the machine tips. It continuously monitors tilt along both axes and provides clear warnings to the operator when the inclination exceeds safe limits, ensuring precise control and preventing accidents.

Visual status light system

The Aqua Cutter 450 and 750, with the Evolution 3.0 Control System, features a multi-color visual status light that communicates the machine's condition at a glance. By using different colors and patterns—steady or pulsing—the light clearly indicates when the machine is operating normally, requires attention, or when automatic functions or the engine have stopped, helping operators stay informed and work safely.

Smooth ride tracks

All Aqua Cutter 450 and 750 models are equipped with a Smooth Ride Track System. The smooth, stable movement of the tracks reduces vibrations and bounces, protecting components and extending service life, while also maintaining precise nozzle-to-surface distance for enhanced cutting accuracy.

Aquajet Online

Aquajet Online, a cloud-based system for equipment tracking, real-time diagnostics, data collection and analytics. Aquajet Online is accessible via a computer or smartphone and provides owners, operators and project stakeholders with a digital toolkit to maximize safety, security, productivity and machine utilization. Robust data collection and analysis tools also allow customers to track the long-term value of equipment and its impact on their overall operation.

Extra receiver for connected controls

An extra receiver can be added to the robot's radio remote control, allowing both Ecosilence and Aqua Cutter to be connected to each other and to the operator via the radio remote control. Simple and with no need for extra cables or devices. Provides full control over both units in an easy and safe way. Through the remote control you can turn the high-pressure ON/OFF and emergency stop both units, as well as see and change the settings of pressure and engine rpm.

Adjustable beam brackets

The Ergo Climber 3.0 can be equipped with a range of adjustable roller beam brackets for maximum flexibility. Choose between a height-adjustable bracket, a height- and tilt-adjustable version, or a model designed for curved and circular roller beams. This upgrade allows the scaffolding structure to be mounted at varying distances from the concrete surface, while the adjustable brackets maintain the optimal cutting distance for precise and efficient hydrodemolition every time.

Super Lance system

The Super Lance System is a versatile toolkit that enhances the adaptability of your Aqua Cutter. With elbows, lance extensions, and multiple nozzle options, it provides greater control, performance and access.

Aquajet ceramic nozzles

Durable ceramic nozzles designed for precise, consistent water jet performance with minimal wear.

Compact and electric, with all the essentials for hydrodemolition.

AQUA CUTTER 410A

Tracked hydrodemolition robot

The Aqua Cutter 410A is specially designed for applications within confined areas. Its small size and low weight allow the robot to easily pass through narrow passages such as doorframes or operate from scaffoldings. The hydraulic and articulated arm, with two rotating joints and three extensions, can reach as far as 3 m (9,8 ft). This makes the robot agile, powerful and very easy to position.



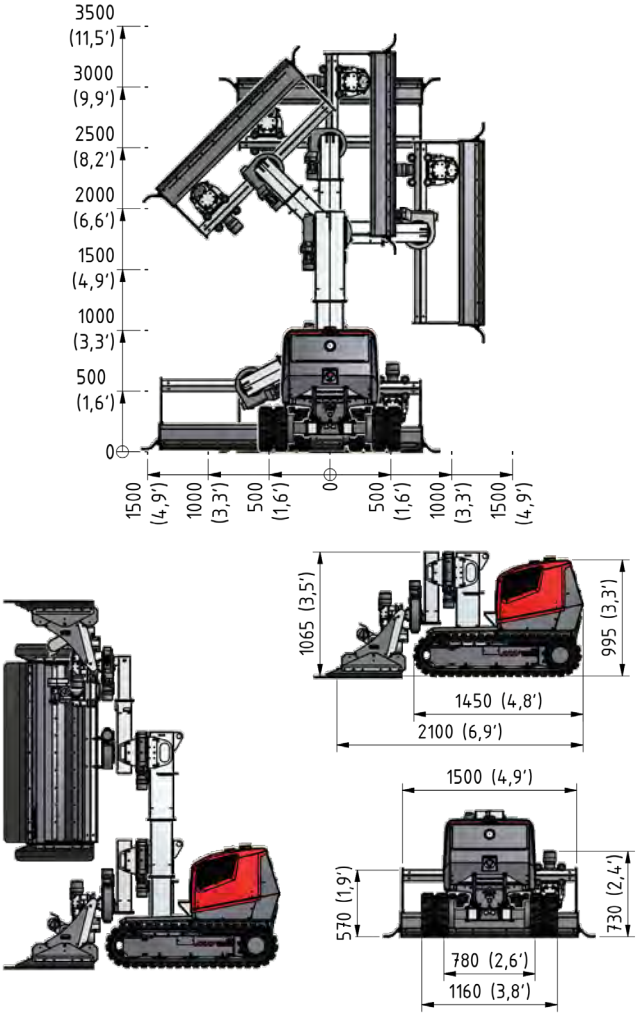
Key features

- **Hydraulic, articulated arm** with two rotating joints and three telescopic extensions.
- **Circular reach** of up to 3 m (9.8 ft).
- **Evolution 2.0** control system.
- **Fast and easy positioning** for efficient operation.
- **Disconnectable** Power Control Module (PCM) allows entry into areas where the electric PCM cannot.
- **Fully submersible crawler**, enabling operation under water.
- **Optimized for confined spaces**, such as tunnels, culverts, parking garages and other enclosed areas.



ELECTRIC | ROBOTIC ARM | POWER HEAD 410 | SUPER LANCE | 3 M (9,8 ft) | 3000 BAR (43 500 psi) | 1400 N (315 lbf) | 55 DB

EVOLUTION 2.0 | RADIO REMOTE | EDS | ISC | DETACHABLE PCM | SLT | MULTI POSITIONING



Size/Range

Length	2,1 m (6,9 ft)
Min. width	0,78 m (2,6 ft)
Track width	0,78-1,16 m (2,6-3,8 ft)
Min. height	0,99/1,07 m (3,2/3,5 ft)
Operating height	3 m (9,8 ft)
Side reach	1,3 m (4,3 ft)
Side shift stroke	-
Lance angle	± 45°
Working width	0-1,7 m (0-5,6 ft)
Working width extended	0-3,2 m (0-10,5 ft)

Weight

Total weight	1190 kg (2620 lb)
Weight/m² dep.on track width	726-488 kg/m² (17228-11580 lb/ft²)
PCM only	375 kg (827 lb)
Robot without PCM	815 kg (1796 lb)

Operation

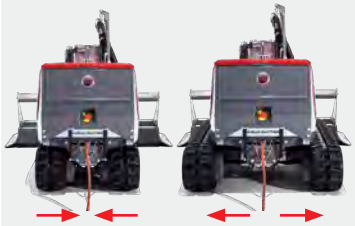
Max reaction force	1400 N (315 lbf)
Max roller speed AUTO	15,0 m/min (49,2 ft/min)
Max track speed AUTO	10,0 m/min (32,8 ft/min)
Noise level	55 dB
Operational hydraulic pressure	110 bar (1595 psi)
Max hydraulic flow	35 l/min (9,2 gpm)
Hydraulic oil tank volume	45 l (11,9 gal)
Motor power	Electric motor, 3 phase, Direct start, 5,5 kW Multiple voltage and frequency options available.

Control system

Sensors	Pulse
Control System	Evolution 2.0
Type (control system)	Radio control, Remote control
Range (Radio remote control)	Up to 300 m

Options

Nozzles	Different sizes available
PCM Carrier	70 kg (154 lb)
PCM Weight kit (all weights)	300 kg (661 lb)



Adjustable track width for narrow access and increased stability.



Detachable Power Control Module (PCM).



Hydraulic and manual side shift.



Quick connection of front and hydraulics.

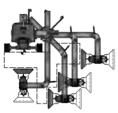


Foldable back cover for easy access.

Compatible attachments



ROTOLANCE LT 2.0



EXTENSION KIT LT 2.0



PCM CARRIER



PCM WEIGHT KIT



SUPER LANCE SYSTEM



MULTI NOZZLES

Compact and electric, with all the essentials for hydrodemolition.

AQUA CUTTER 410V

Tracked hydrodemolition robot

The Aqua Cutter 410V is a compact, lightweight, fully electric hydrodemolition robot designed for confined spaces. Its extendable tower system (up to 4 m/13.1 ft), disconnectable Power Control Module, and optional tunnel kit provide versatile reach for horizontal, vertical, and overhead applications.



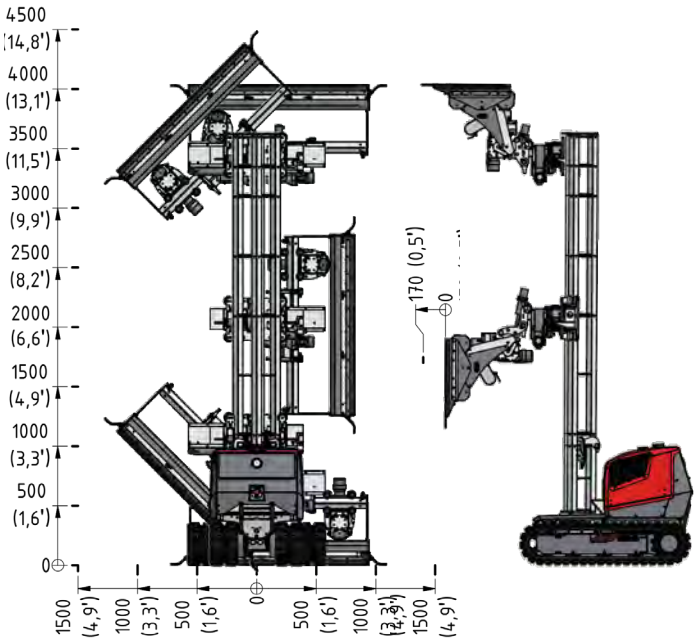


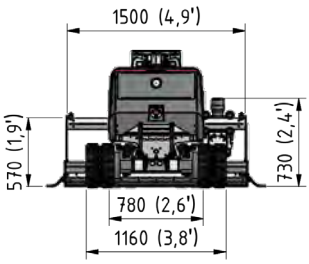
Key features

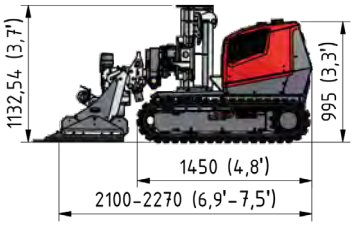
- **Extendable tower system.** Add on tower sections for greater reach while maintaining a compact footprint.
- **Extendable reach up to 4 m (13.1 ft)**, without support. Up to 10 m (32,8 ft), with support.
- **Evolution 2.0** control system.
- **Tower positioning system** that allows forward and backward movement of the tower to adjust the distance to the target surface.
- **Disconnectable** Power Control Module (PCM) allows entry into areas where the electric PCM cannot.
- **Fully submersible crawler,** enabling operation under water.
- **Optimized for confined spaces**, such as shafts, high walls, overhead work, and horizontal areas.



ELECTRIC
TOWER SYSTEM
POWER HEAD 410
SUPER LANCE
4 M (13,1 ft)
3000 BAR (43 500 psi)
1400 N (315 lbf)
55 DB
EVOLUTION 2.0
RADIO REMOTE
EDS
ISC
DETACHABLE PCM
SLT
MULTI POSITIONING







Size/Range

Length	2,1-2,27 m (6,9-7,4 ft)
Min. width	0,78 m (2,6 ft)
Track width	0,78-1,16 m (2,6-3,8 ft)
Min. height	0,99 m (3,2 ft)
Operating height	4 m (13,1 ft)
Operating height with top support	10 m (32,8 ft)
Side reach	0,95 m (3,1 ft)
Side shift stroke	370 mm (14,6 in)
Lance angle	± 45°
Working width	0-1,7 m (0-5,6 ft)
Working width extended	0-3,2 m (0-10,5 ft)

Weight

Total weight	1250 kg (2756 lb)
Weight/m² dep.on track width	762- 512 kg/m² (18082-12150 lb/ft²)
PCM only	375 kg (827 lb)
Robot without PCM	875 kg (929 lb)

Operation

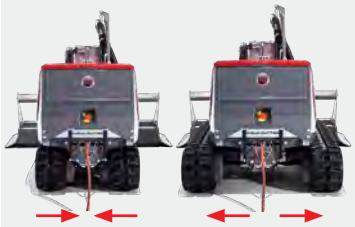
Max reaction force	1400 N (315 lbf)
Max roller speed AUTO	15,0 m/min (49,2 ft/min)
Max track speed AUTO	10,0 m/min (32,8 ft/min)
Noise level	55 dB
Operational hydraulic pressure	110 bar (1595 psi)
Max hydraulic flow	35 l/min (9,2 gpm)
Hydraulic oil tank volume	45 l (11,9 gal)
Motor power	Electric motor, 3 phase, Direct start, 5,5 kW Multiple voltage and frequency options available.

Control system

Sensors	Pulse
Control System	Evolution 2.0
Type (control system)	Radio control, Remote control
Range (Radio remote control)	Up to 300 m

Options

Nozzles	Different sizes available
PCM Carrier	70 kg (154 lb)
PCM Weight kit (all weights)	300 kg (661 lb)



Adjustable track width for narrow access and increased stability.



Detachable Power Control Module (PCM).



Hydraulic and manual side shift.



Quick connection of front and hydraulics.

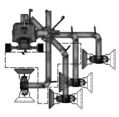


Foldable back cover for easy access.

Compatible attachments



ROTOLANCE LT 2.0



EXTENSION KIT LT 2.0



PCM CARRIER



PCM WEIGHT KIT



TUNNEL KIT



SUPER LANCE SYSTEM



MULTI NOZZLES

High-performance, electric hydrodemolition with circular reach.

AQUA CUTTER 450A

Tracked hydrodemolition robot

The Aqua Cutter 450A is a compact, electric-powered hydrodemolition robot designed for precision in confined environments. Its hydraulic articulated arm offers a reach of up to 3 meters, making it ideal for following curved surfaces and navigating tight spaces. Equipped with the advanced Evolution 3.0 control system and Aquajet's patented Infinity oscillation, the 450A delivers high-performance, efficient concrete removal. Emission-free and low-noise - ideal for urban areas, tunnels, and parking structures.



Key features

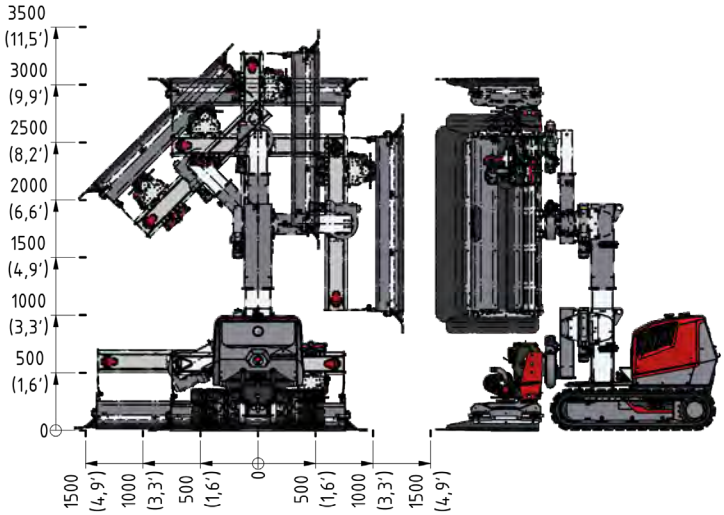
- **Hydraulic, articulated arm** with two rotating joints and three telescopic extensions.
- **Circular reach** of up to 3 m (9.8 ft).
- **Infinity** oscillation system.
- **Evolution 3.0** control system.
- **Fast and easy positioning** for efficient operation.
- **Disconnectable** Power Control Module (PCM) allows entry into areas where the electric PCM cannot.
- **Fully submersible crawler**, enabling operation under water.
- **Optimized for confined spaces**, such as tunnels, culverts, parking garages and other enclosed areas.

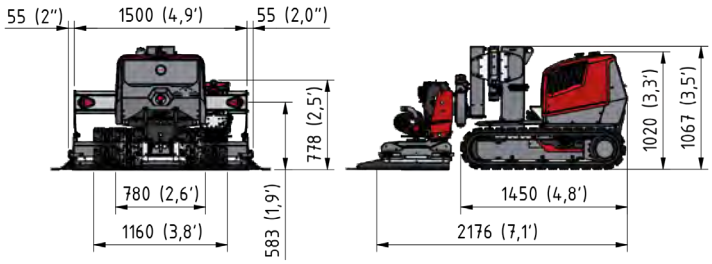




ELECTRIC
ROBOTIC ARM
POWER HEAD 450
SUPER LANCE
3 M (9,8 ft)
3000 BAR (43 500 psi)
1600 N (360 lbf)
55 DB

EVOLUTION 3.0
RADIO REMOTE
INFINITY
EDS
ISC
DETACHABLE PCM
SLT
MULTI POSITIONING





Size/Range

Length	2,17 m (7,1 ft)
Min. width	0,78 m (2,6 ft)
Track width	0,78-1,16 m (2,6-3,8 ft)
Min. height	0,99/1,07 m (3,2/3,5 ft)
Operating height	3 m (9,8 ft)
Side reach (from center)	1482 mm (58,3 in)
Max roller beam offset (side reach +)	593 mm (23,3 in)
Lance angle	±45°
Working width	0-1,7 m (0-5,6 ft)
Working width extended	0-3,2 m (0-10,5 ft)

Weight

Total weight	1315 kg (2899 lb)
Weight/m² dep.on track width	726-488 kg/m² (17228-11580 lb/ft²)
PCM only	375 kg (827 lb)
Robot without PCM	940 kg (2072 lb)

Operation

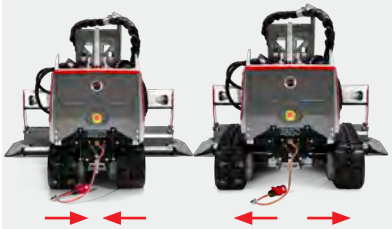
Max reaction force	1600 N (360 lbf)
Max roller speed AUTO	25,0 m/min (82,0 ft/min)
Max track speed AUTO	15,0 m/min (49,2 ft/min)
Noise level	55 dB
Operational hydraulic pressure	20-200 bar (290-2901 psi)
Max hydraulic flow	46 l/min (12 gpm)
Hydraulic oil tank volume	48 l (12,7 gal)
Motor power	Electric motor, 3 phase, Direct start, 5,5 kW Multiple voltage and frequency options available.

Control system

Sensors	Absolute
Control System	Evolution 3.0
Type (control system)	Radio control, Remote control
Range (Radio remote control)	Up to 300 m

Options

Aquajet Online	Online tracking
Nozzles	Different sizes available
PCM Carrier	70 kg (154 lb)
PCM Weight kit (all weights)	300 kg (661 lb)



Adjustable track width for narrow access and increased stability.



Detachable Power Control Module (PCM).



Hydraulic/manual side shift and quick connection of the front.

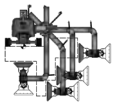


Foldable back cover for easy access to all maintenance jobs.

Compatible attachments



ROTOLANCE LT 3.0



EXTENSION KIT LT 3.0



PCM CARRIER



PCM WEIGHT KIT



SUPER LANCE SYSTEM



MULTI NOZZLES



AQUA RAIL SYSTEM 3.0

Compact, electric hydrodemolition robot with high-reach tower.

AQUA CUTTER 450V

Tracked hydrodemolition robot

The Aqua Cutter 450V features an extendable tower with a standard reach of 4 m (13.1 ft), extendable to 10 m (32.8 ft) with support. Built for confined spaces, it offers precise positioning with an adjustable hoist and tilt function, excelling in horizontal, vertical, and overhead hydrodemolition. Its compact, electric design with a detachable Power Control Module makes it perfect for urban sites, shafts, and high walls—where space is tight and zero emissions are crucial.



Key features

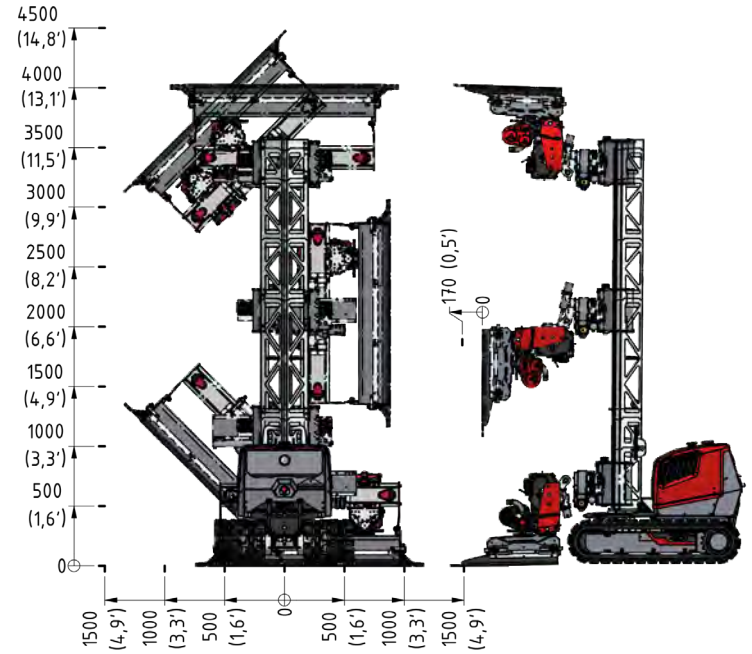
- **Extendable tower system.** Add on tower sections for greater reach while maintaining a compact footprint.
- **Extendable reach up to 4 m (13.1 ft)**, without support. Up to 10 m (32,8 ft), with support.
- **Infinity** oscillation system.
- **Evolution 3.0** control system.
- **Tower positioning system** that allows forward and backward movement of the tower to adjust the distance to the target surface.
- **Disconnectable** Power Control Module (PCM) allows entry into areas where the electric PCM cannot.
- **Fully submersible crawler**, enabling operation under water.
- **Optimized for confined spaces**, such as shafts, high walls, overhead work, and horizontal areas.

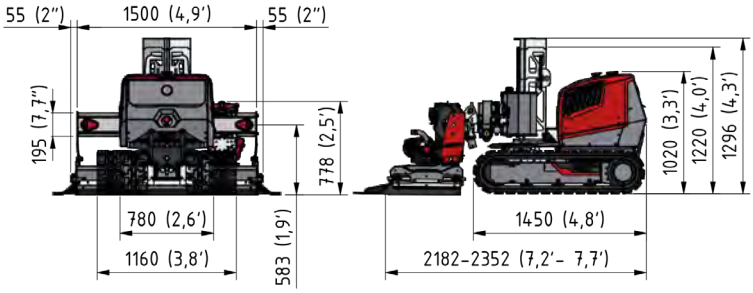




ELECTRIC | TOWER SYSTEM | POWER HEAD 450 | SUPER LANCE | 4 M (13,1 ft) | 3000 BAR (43 500 psi) | 1600 N (360 lbf) | 55 DB

EVOLUTION 3.0 | RADIO REMOTE | INFINITY | EDS | ISC | DETACHABLE PCM | SLT | MULTI POSITIONING





Size/Range

Length	2,17-2,34 m (7,1-7,7 ft)
Min. width	0,78 m (2,6 ft)
Track width	0,78-1,16 m (2,6-3,8 ft)
Min. height	0,99/1,29 m (3,2-4,2 ft)
Operating height	4 m (13,1 ft)
Operating height with top support	10 m (32,8 ft)
Side reach (from center)	960 mm (37,8 in)
Max roller beam offset (side reach +)	402 mm (15,8 in)
Side shift stroke	420 mm (16,5 in)
Lance angle	±45°
Working width	0-1,7 m (0-5,6 ft)
Working width extended	0-3,2 m (0-10,5 ft)

Weight

Total weight	1375 kg (3031 lb)
Weight/m² dep.on track width	762-512 kg/m² (18082-12150 lb/ft²)
PCM only	375 kg (827 lb)
Robot without PCM	1000 kg (2205 lb)

Operation

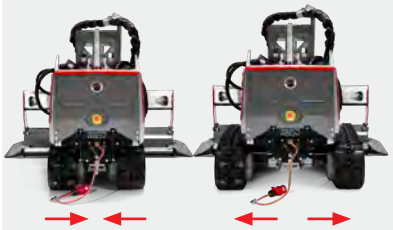
Max reaction force	1600 N (360 lbf)
Max roller speed AUTO	25,0 m/min (82,0 ft/min)
Max track speed AUTO	15,0 m/min (49,2 ft/min)
Noise level	55 dB
Operational hydraulic pressure	20-200 bar (290-2901 psi)
Max hydraulic flow	46 l/min (12 gpm)
Hydraulic oil tank volume	48 l (12,6 gal)
Motor power	Electric motor, 3 phase, Direct start, 5,5 kW Multiple voltage and frequency options available.

Control system

Sensors	Absolute
Control System	Evolution 3.0
Type (control system)	Radio control, Remote control
Range (Radio remote control)	Up to 300 m

Options

Aquajet Online	Online tracking
Nozzles	Different sizes available
PCM Carrier	70 kg (154 lb)
PCM Weight kit (all weights)	300 kg (661 lb)



Adjustable track width for narrow access and increased stability.



Detachable Power Control Module (PCM).



Hydraulic/manual side shift and quick connection of the front.



Multi-axis positioning of the tower and front.

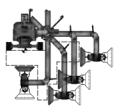


Foldable back cover for easy access.

Compatible attachments



ROTOLANCE LT 3.0



EXTENSION KIT LT 3.0



PCM CARRIER



PCM WEIGHT KIT



SUPER LANCE SYSTEM



MULTI NOZZLES



AQUA RAIL SYSTEM 3.0

Classic, diesel driven hydrodemolition robot for horizontal work.

AQUA CUTTER 710H

Tracked hydrodemolition robot

The Aqua Cutter 710H is designed for efficient horizontal hydrodemolition, ideal for slabs on roads, bridges, parking garages, and runways. Its tilting power head handles obstacles and inclinations, with removable side covers for precise corner removal. The head can also tilt 90° upward for easy inspection. Powered by a diesel engine, the 710H is also available with a hybrid electric kit.



Key features

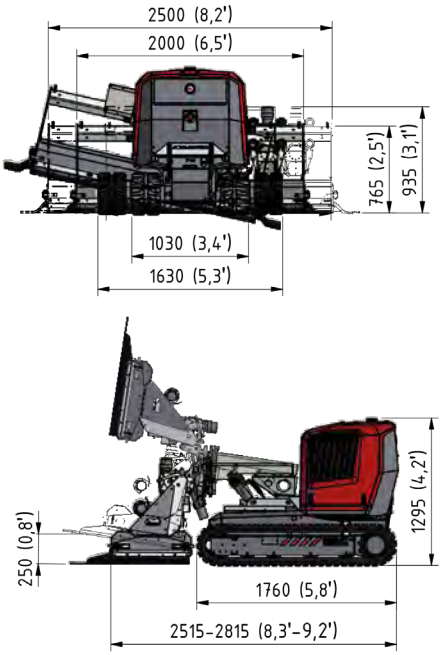
- **Effective horizontal** operations.
- **Adjustable front** Power head, with 90° hydraulic tilt.
- **Removable side covers**, for precise corner removal.
- **Standard diesel engine** with an optional electric Hybrid kit—ideal for low-noise, zero-emission operation in urban or environmentally sensitive areas.
- **Evolution 2.0** control system.
- **Hydraulic and manual side shift** as well as quick connection of the front.





DIESEL | POWER HEAD 710 | SUPER LANCE | CERAMIC NOZZLE | 3000 BAR (43 500 psi) | 3000 N (674 lbf) | 70 DB | EVOLUTION 2.0

RADIO REMOTE | EDS | ISC | SLT



Size/Range

Length	2,57-2,87 m (8,4-9,4 ft)
Min. width	2 m (6,6 ft)
Track width	1,03-1,63 m (3,4 -5,4 ft)
Min. height	1,3 m (4,2 ft)
Side reach	1,3 m (4,2 ft)
Side shift stroke	500 mm (19,7 in)
Lance angle	±45°
Working width	0-2,45 m (0-8,0 ft)
Working width extended	0-4,45 m (0-14,6 ft)

Weight

Total weight	2000 kg (4409 lb)
Weight/m² dep.on track width	1360-880 kg/m² (32273-20883 lb/ft²)

Operation

Max reaction force	3000 N (674 lbf)
Max roller speed AUTO	25,0 m/min (82,0 ft/min)
Max track speed AUTO	15,0 m/min (49,2 ft/min)
Noise level	70 dB
Operational hydraulic pressure	110 bar (1595 psi)
Max hydraulic flow	50 l/min (13 gpm)
Hydraulic oil tank volume	100 l (26,4 gal)
Motor power	Diesel engine, 18 kW/1600-2600 rpm

Control system

Sensors	Pulse
Control System	Evolution 2.0
Type (control system)	Radio control, Remote control
Range (Radio remote control)	Up to 300 m

Options

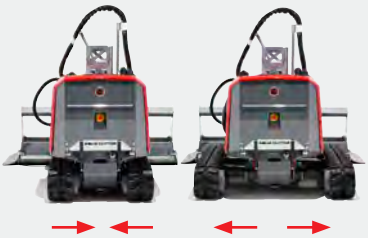
Nozzles	Different sizes available
Hybrid kit	Diesel to electric converter



Hydraulic and manual side shift.



Quick connection.



Adjustable track width for narrow access and increased stability.



Foldable back cover for easy access to all maintenance jobs.

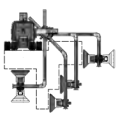
Compatible attachments



HYBRID KIT 2.0



ROTOLANCE 2.0



EXTENSION KIT 2.0



SUPER LANCE SYSTEM



MULTI NOZZLES

Classic, diesel driven hydrodemolition robot with high-reach tower.

AQUA CUTTER 710V

Tracked hydrodemolition robot

The Aqua Cutter 710V is a versatile hydrodemolition robot designed for a wide range of applications. Its compact build and extendable tower system provide easy access to horizontal, vertical, and overhead areas—reaching up to 7 meters without additional support. Diesel-powered with an optional electric hybrid kit, it's ideal for roads, parking garages, bridges, and large-scale structural work.

Key features

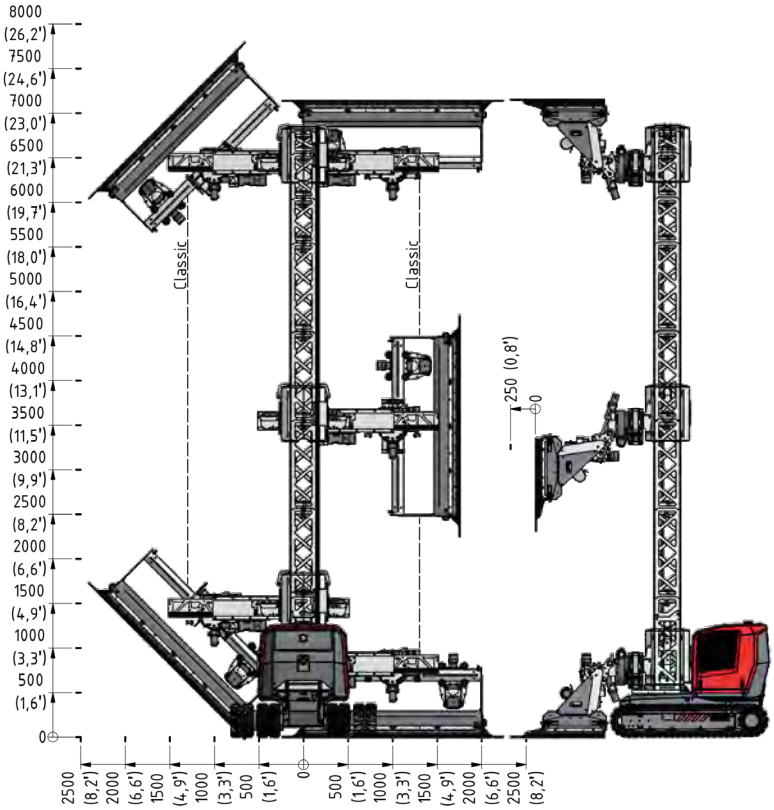
- **Extendable tower system.** Add on tower sections for greater reach while maintaining a compact footprint.
- **Extendable reach up to 7 m (23 ft)**, without support. Up to 20 m (65 ft), with support.
- **Tower positioning system** that allows forward and backward movement of the tower to adjust the distance to the target surface.
- **Standard diesel engine** with an optional electric Hybrid kit—ideal for low-noise, zero-emission operation in urban or environmentally sensitive areas.
- **Evolution 2.0** control system.
- **Hydraulic and manual side shift** as well as quick connection of the front.

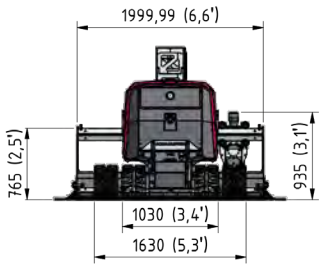


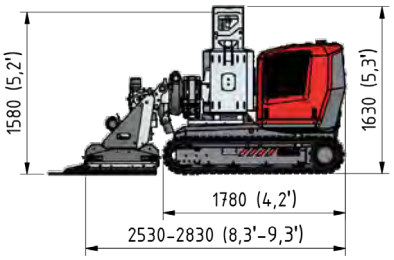


DIESEL | TOWER SYSTEM | POWER HEAD 710 | SUPER LANCE | CERAMIC NOZZLE | 7 M (23 ft) | 3000 BAR (43 500 psi) | 3000 N (674 lbf)

70 DB | EVOLUTION 2.0 | RADIO REMOTE | EDS | ISC | SLT | MULTI POSITIONING







Size/Range

Length	2,57-2,87 m (8,4-9,4 ft)
Min. width	1,03 m (3,4 ft)
Track width	1,03-1,63 m (3,4 -5,4 ft)
Min. height	1,3/1,6 m (4,2/5,2 ft)
Operating height	7 m (23 ft)
Operating height with top support	20 m (65 ft)
Side reach	2 m (6,6 ft)
Side shift stroke	2000 mm (78,8 in)
Lance angle	±45°
Working width	0-2,45 m (0-8,0 ft)
Working width extended	0-4,45 m (0-14,6 ft)

Weight

Total weight	2350 kg (5181 lb)
Weight/m² dep.on track width	1640-1040 kg/m² (38918-24679 lb/ft²)

Operation

Max reaction force	3000 N (674 lbf)
Max roller speed AUTO	25,0 m/min (82,0 ft/min)
Max track speed AUTO	15,0 m/min (49,2 ft/min)
Noise level	70 dB
Operational hydraulic pressure	110 bar (1595 psi)
Max hydraulic flow	50 l/min (13 gpm)
Hydraulic oil tank volume	100 l (26,4 gal)
Motor power	Diesel engine, 18 kW/1600-2600 rpm

Control system

Sensors	Pulse
Control System	Evolution 2.0
Type (control system)	Radio control, Remote control
Range (Radio remote control)	Up to 300 m

Options

Nozzles	Different sizes available
Hybrid kit	Diesel to electric converter



Hydraulic and manual side shift.



Quick connection of the front.



Adjustable track width for narrow access and increased stability.



Multi-axis positioning of the tower and front.



Foldable back cover for easy access.

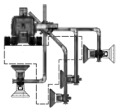
Compatible attachments



HYBRID KIT 2.0



ROTOLANCE 2.0



EXTENSION KIT 2.0



SUPER LANCE SYSTEM



MULTI NOZZLES

Extra-large, diesel driven hydrodemolition robot with high-reach tower.

AQUA CUTTER 710V XL

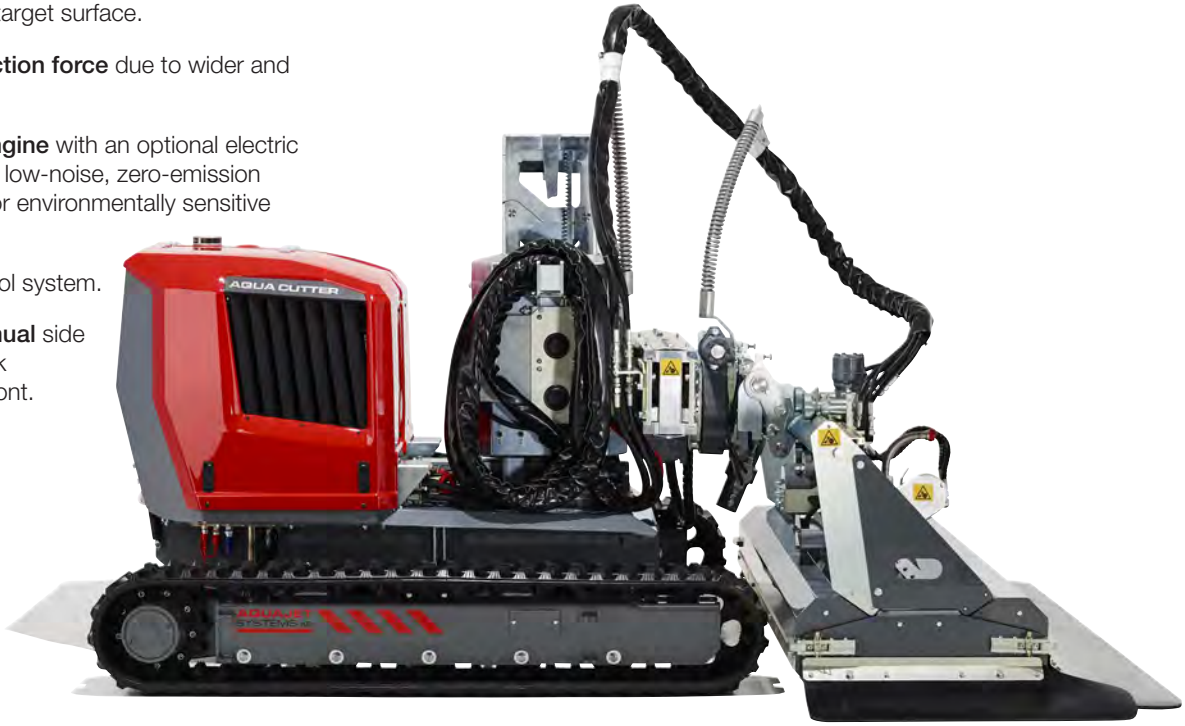
Tracked hydrodemolition robot

The Aqua Cutter 710V XL is a robust hydrodemolition robot built for the toughest jobs. With wider and longer tracks, it handles higher reaction forces while distributing weight more efficiently. Its high-reach tower system provides access to horizontal, vertical, and overhead areas—up to 7 meters without additional support. Diesel-powered with an optional electric hybrid kit, it's the perfect choice for demanding large-scale projects.



Key features

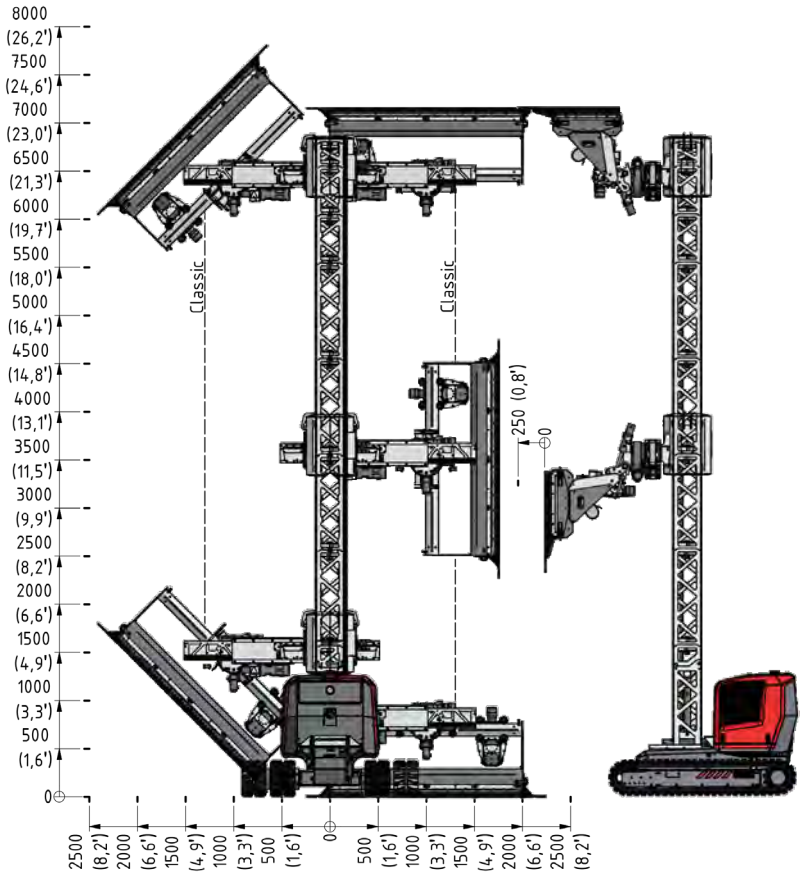
- **Extendable tower system.** Add on tower sections for greater reach while maintaining a compact footprint.
- **Extendable reach up to 7 m (23 ft)**, without support. Up to 20 m (65 ft), with support.
- **Tower positioning system** that allows forward and backward movement of the tower to adjust the distance to the target surface.
- **Handles more reaction force** due to wider and longer tracks.
- **Standard diesel engine** with an optional electric Hybrid kit—ideal for low-noise, zero-emission operation in urban or environmentally sensitive areas.
- **Evolution 2.0** control system.
- **Hydraulic and manual** side shift as well as quick connection of the front.

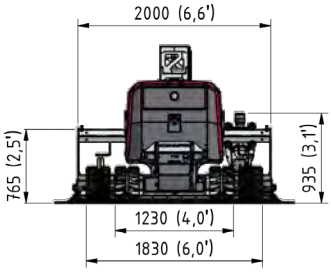


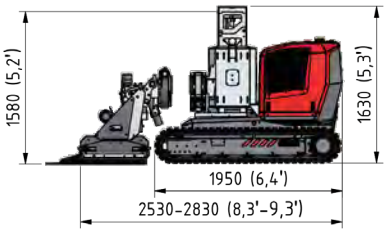


DIESEL | TOWER SYSTEM | POWER HEAD 710 | SUPER LANCE | CERAMIC NOZZLE | 7 M (23 ft) | 3000 BAR (43 500 psi) | 4000 N (899 lbf)

70 DB | EVOLUTION 2.0 | RADIO REMOTE | EDS | ISC | SLT | MULTI POSITIONING







Size/Range

Length	2,57-2,87 m (8,4-9,4 ft)
Min. width	1,23 (4,0 ft)
Track width	1,23-1,83 m (4,0-6,0 ft)
Min. height	1,3/1,6 m (4,2/5,2 ft)
Operating height	7 m (23 ft)
Operating height with top support	20 m (65 ft)
Side reach	2 m (6,6 ft)
Side shift stroke	2000 mm (78,8 in)
Lance angle	±45°
Working width	0-2,45 m (0-8,0 ft)
Working width extended	0-4,45 m (0-14,6 ft)

Weight

Total weight	2430 kg (5357 lb)
Weight/m² dep.on track width	1240-830 kg/m² (29426-19696 lb/ft²)

Operation

Max reaction force	4000 N (899 lbf)
Max roller speed AUTO	25,0 m/min (82,0 ft/min)
Max track speed AUTO	15,0 m/min (49,2 ft/min)
Noise level	70 dB
Operational hydraulic pressure	110 bar (1595 psi)
Max hydraulic flow	50 l/min (13 gpm)
Hydraulic oil tank volume	100 l (26,4 gal)
Motor power	Diesel engine, 18 kW/1600-2600 rpm

Control system

Sensors	Pulse
Control System	Evolution 2.0
Type (control system)	Radio control, Remote control
Range (Radio remote control)	Up to 300 m

Options

Nozzles	Different sizes available
Hybrid kit	Diesel to electric converter
Electric motor	Optional engine alternative



Hydraulic and manual side shift.



Quick connection of the front.



Longer and wider tracks with adjustable width ensure maximum stability under heavy reaction forces.



Multi-axis positioning of the tower and front.



Foldable back cover for easy access.

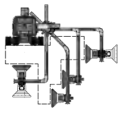
Compatible attachments



HYBRID KIT 2.0



ROTOLANCE 2.0



EXTENSION KIT 2.0



SUPER LANCE SYSTEM



MULTI NOZZLES

Versatile, diesel-driven, hydrodemolition robot built for high performance.

AQUA CUTTER 750V

Tracked hydrodemolition robot

The Aqua Cutter 750V is a larger, yet compact and highly versatile hydrodemolition robot with an extendable tower system, designed for horizontal, vertical, and overhead applications. It reaches up to 5 m (16.4 ft) unsupported and 20 m (65 ft) with additional support. Powered by a diesel engine with an optional electric hybrid kit, it's ideal for roads, bridges, and large structural projects.

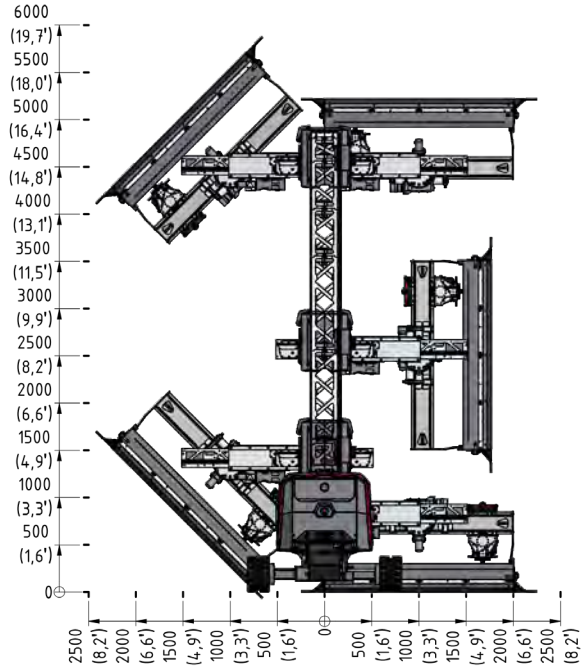


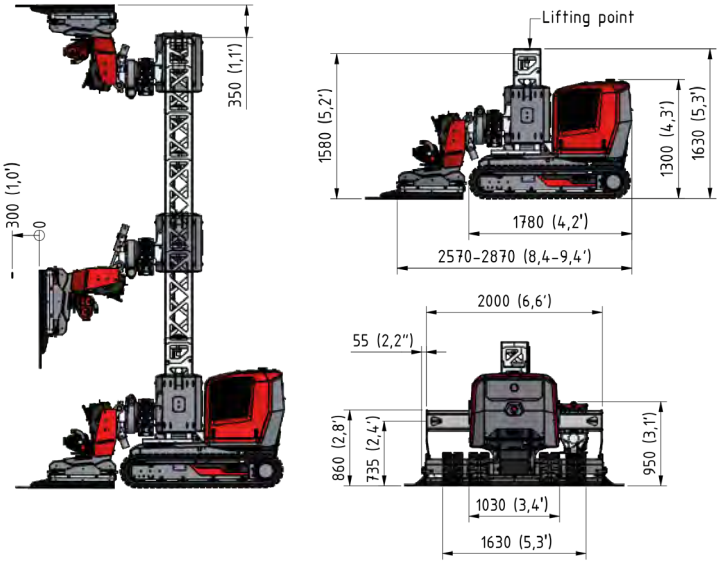
Key features

- **Extendable tower system.** Add on tower sections for greater reach while maintaining a compact footprint.
- **Extendable reach up to 5 m (16,4 ft)**, without support. Up to 20 m (65 ft), with support.
- **Tower positioning system** that allows forward and backward movement of the tower to adjust the distance to the target surface.
- **Standard diesel engine** with an optional electric Hybrid kit — ideal for low-noise, zero-emission operation in urban or environmentally sensitive areas.
- **Evolution 3.0 control system** with automatic calculations for optimal settings.
- **Infinity oscillation** system for higher efficiency.
- **Aquajet Online** — a cloud-based system for equipment tracking, real-time diagnostics, data collection and analytics.
- **Hydraulic and manual side shift** as well as quick connection of the front.



DIESEL	TOWER SYSTEM	POWER HEAD 750	SUPER LANCE	CERAMIC NOZZLE	5 M (16,4 ft)	3000 BAR (43 500 psi)	3000 N (674 lbf)
70 DB	EVOLUTION 3.0	INFINITY	RADIO REMOTE	EDS	ISC	SLT	MULTI POSITIONING





Size/Range

Length	2,57-2,87 m (8,4-9,4 ft)
Min. width	1,03 m (3,4 ft)
Track width	1,03-1,63 m (3,4 -5,4 ft)
Min. height	1,3/1,6 m (4,2/5,2 ft)
Operating height	5 m (16,4 ft)
Operating height with top support	20 m (65 ft)
Side reach (from center)	2000 mm (78,8 in)
Max roller beam offset (side reach +)	634 mm (25 in)
Side shift stroke	2000 mm (78,8 in)
Lance angle	±45°
Working width	0-2,45 m (0-8,0 ft)
Working width extended	0-4,45 m (0-14,6 ft)

Weight

Total weight	2340 kg (5159 lb)
Weight/m² dep.on track width	1035-1630 kg/m² (24561-38680 lb/ft²)

Operation

Max reaction force	3000 N (674 lbf)
Max roller speed AUTO	25,0 m/min (82,0 ft/min)
Max track speed AUTO	15,0 m/min (49,2 ft/min)
Noise level	70 dB
Operational hydraulic pressure	20-200 bar (290-2901 psi)
Max hydraulic flow	72 l/min (19 gpm)
Hydraulic oil tank volume	100 l (26,4 gal)
Motor power	Diesel engine, 18 kW/1200-2600 rpm

Control system

Sensors	Absolute
Control System	Evolution 3.0
Type (control system)	Radio control, Remote control
Range (Radio remote control)	Up to 300 m
Aquajet Online	Online tracking

Options

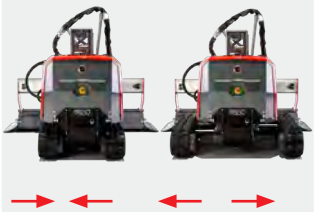
Nozzles	Different sizes available
Hybrid kit	Diesel to electric converter



Hydraulic and manual side shift. Quick connections.



Infinity oscillation for increased efficiency and better results.



Adjustable track width for narrow access and increased stability.



Multi-axis positioning of the tower and front.



Foldable back cover for easy access.

Compatible attachments



HYBRID KIT 3.0



ROTOLANCE 3.0



EXTENSION KIT 3.0



CIRCULAR KIT 3.0



EXTENDER 1.0 M



ROLLER BEAM CIRCULAR 750



SUPER LANCE SYSTEM



MULTI NOZZLES



AQUA RAIL SYSTEM 3.0

Compact hydrodemolition system for surface prep and industrial cleaning.

ERGO GO

Compact hydrodemolition system

The Ergo Go is a compact hydrodemolition system designed for industrial cleaning, surface preparation, and concrete repair. Delivering four times the power of a hand lance, it enhances productivity while keeping operators safe. Easily mounted on standard scaffolding, it's perfect for confined spaces and adaptable to complex environments like silos, power plants and for refractory work.



Key features

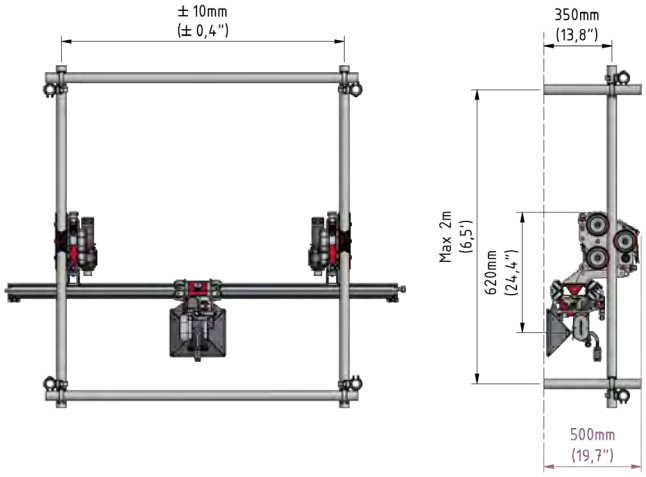
- **Light and compact** hydrodemolition system with quick setup.
- **Four times the power** of a hand lance and safe for operators.
- **Attach to standard scaffolding pipes** or shape the pipes for curved surface, like pillars or tunnels.
- **Three key components:** the Ergo Controller unit, which powers and manages the hydraulics; the Ergo power head, which operates the high-pressure lance; and the Ergo Climbers, a unique system that supports and maneuvers the power head.
- **Electric powered** and easily managed via the display on the Controller or through the radio remote control.
- **Compatible with the Aqua Rail System** as well as several other attachments.



ELECTRIC	3000 BAR (43 500 psi)	1000 N (225 lbf)	60 DB	ERGO	RADIO REMOTE	ISC

CONTROLLER 3.0	POWER HEAD ERGO	CLIMBER 3.0	ROLLER BEAM ERGO	NOZZLE	BEAM BRACKET STANDARD





Size/Range

Controller	
Length (Controller)	530 mm (20,9 in)
Width (Controller)	430 mm (16,9 in)
Width over wheels (Controller)	620 mm (24,4 in)
Height (Controller)	1110 mm (43,7 in)
Wheels (Controller)	320x100 mm (12,6x3,9 in)
Climbers	
Working width, linear beam	0-2,0 m (0-6,6 ft)
Working diameter, Tunnel 360°	ø1,0-4,3 m (3,3-14,1 ft)
Working diameter, Pillar 360°	ø0,4-3,7 m (1,3-12,1 ft)
Roller beam lengths	0,25/0,5/1,0 m (0,8/1,6/3,3 ft)
Scaffolding pipe	ø48,3 mm (ø1,9 in) / NPS 1,5/DN40
Lance angle	±45°
Min. width	500 mm (19,7 in)
Min. clearance height	320-500 mm (12,6-19,7 in)
Max. length between supports	2.0 m (6,6 ft)
Transport boxes	1100x355x400 mm (43,3x14,0x15,7 in)

Weight

Weight Controller (dry/with oil)	98 kg (216 lb) /124 kg (273 lb)
Weight Ergo Power head	23 kg (51 lb)
Weight Ergo Climber	22 kg (49 lb)
Weight Roller beam (1,0 m)	9,5 kg (21 lb)

Operation

Max reaction force	1000 N (225 lbf)
Roller speed AUTO	1-15 m/min (3,3-49 ft/min)
Indexing speed AUTO	0,5-5 m/min (1,6-16 ft/min)
Parallell drive	±2%
Noise level	60 dB
Operational hydraulic pressure	20-160 bar (290-2320 psi)
Max hydraulic flow	21,4 l/min (5,6 gpm) @50Hz
Hydraulic oil tank volume	25 l (6,6 gal)
Motor power	Electric motor, 3 phase, Direct start, 4,2 kW Multiple voltage and frequency options available.

Control system

Sensors	ISC/Sensorless
Control System	Ergo
Type (control system)	Radio control, Remote control
Range radio control (Hard-wire)	Up to 50 m (164 ft)

Options

Nozzles	Different sizes available
Aquajet Online	Online tracking
Adjustable roller brackets	Adjustable height and angle



Passable brackets for scaffolding pipes allows for long rail systems.



Roller brackets between Climber and Roller with adjustable height and angle as option.



Quick connect on the Controller.



Transport boxes for easy operation.

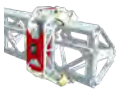


Remove back cover for easy access to all maintenance jobs.

Compatible attachments



ROTOLANCE ERGO



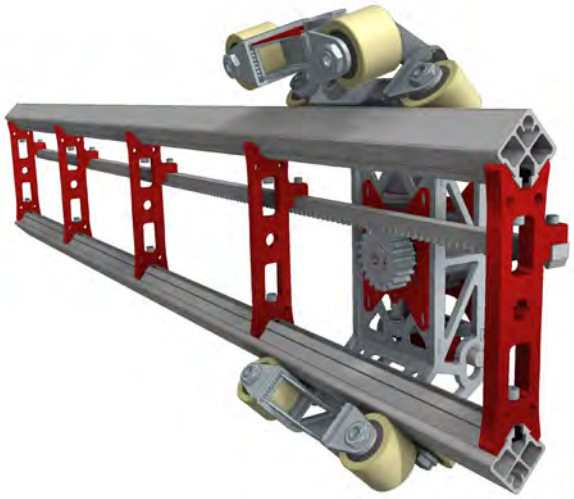
AQUA RAIL SYSTEM 3.0

Compact Ergo rail kit for surface prep and industrial cleaning.

ERGO SPINE GO

Compact hydrodemolition system

The Ergo Spine Go is part of the Ergo family, featuring a lightweight yet high-strength Ergo Spine rail that supports a roller beam and Power Head, all controlled by the Ergo Controller. Its standard setup efficiently tackles concrete walls, floors, and ceilings, while the side configuration is ideal for accessing tight or confined spaces, making it ideal for the most challenging work environments.

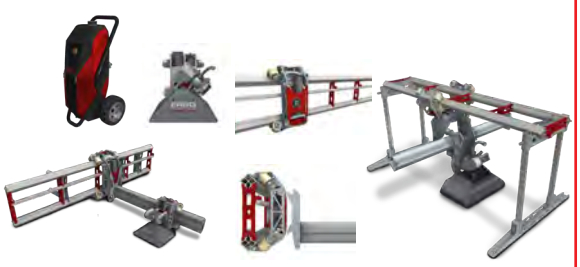


Key features

- **Light yet high-strength** rail system.
- **Four times the power** of a hand lance and safe for operators.
- **Attach directly to surface** or use support legs if needed.
- **Three key components:** the Ergo Controller unit, which powers and manages the hydraulics; the Ergo power head, which operates the high-pressure lance; and the Ergo Spine, a rail system that holds and maneuvers the roller beam with the power head.
- **Electric powered** and easily managed via the display on the Controller or through the radio remote control.
- **Compatible with the Aqua Rail System** as well as several other attachments.







ELECTRIC

3000 BAR (43 500 psi)

1000 N (225 lbf)

60 DB

ERGO

RADIO REMOTE

ISC

CONTROLLER 3.0

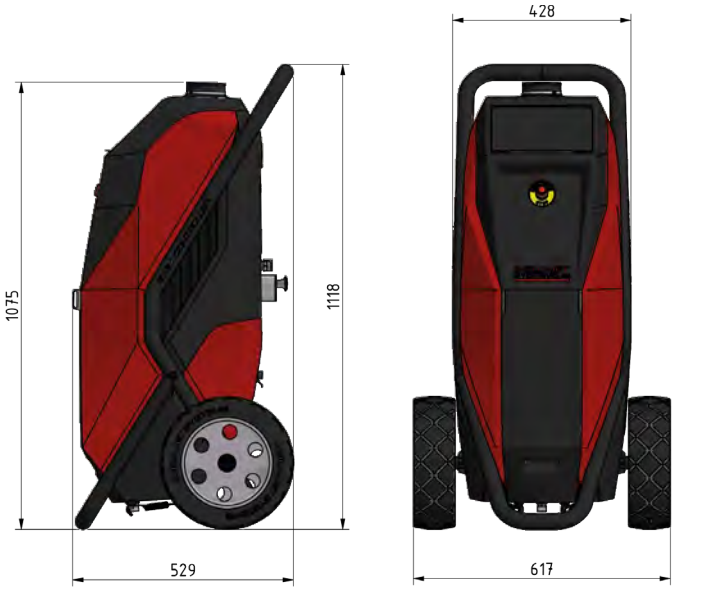
POWER HEAD ERGO

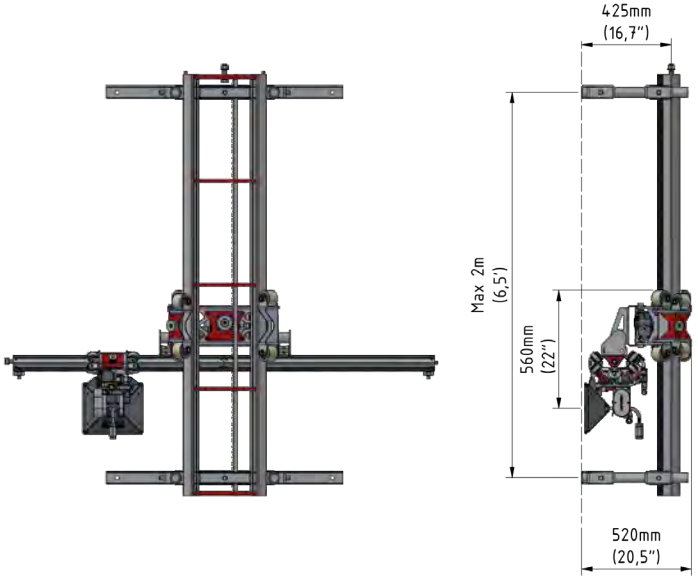
ERGO SPINE

SPINE HOIST

ROLLER BEAM ERGO

NOZZLE





Size/Range

Controller	
Length (Controller)	530 mm (20,9 in)
Width (Controller)	430 mm (16,9 in)
Width over wheels (Controller)	620 mm (24,4 in)
Height (Controller)	1110 mm (43,7 in)
Wheels (Controller)	320x100 mm (12,6x3,9 in)
Spine	
Working width, linear beam	0-2,0 m (0-6,6 ft)
Min. width	530 mm (20,9 in)
Min. clearance height	508 mm (20,0 in)
Max. length between supports	2.0 m (6,6 ft)
Roller beam lengths	0,25/0,5/1,0 m (0,8/1,6/3,3 ft)
Lance angle	±45°

Weight

Weight Controller (dry/with oil)	98 kg (216 lb) /124 kg (273 lb)
Weight Ergo Power head	23 kg (51 lb)
Weight Ergo Spine roller	28 kg (62 lb)
Weight Roller beam (1,0 m)	9,5 kg (21 lb)
Weight Ergo Spine rail (1,0 m)	11 kg (24 lb)

Operation

Max reaction force	1000 N (225 lbf)
Roller speed AUTO	1-15 m/min (3,3-49 ft/min)
Indexing speed AUTO	0,5-5 m/min (1,6-16 ft/min)
Noise level	60 dB
Operational hydraulic pressure	20-160 bar (290-2320 psi)
Max hydraulic flow	21,4 l/min (5,6 gpm) @50Hz
Hydraulic oil tank volume	25 l (6,6 gal)
Motor power	Electric motor, 3 phase, Direct start, 4,2 kW Multiple voltage and frequency options available.

Control system

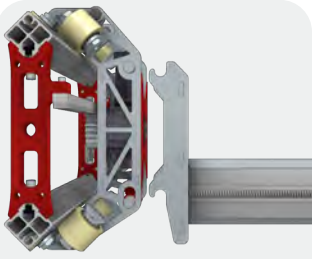
Sensors	ISC/Sensorless
Control System	Ergo
Type (control system)	Radio control, Remote control
Range radio control (Hard-wire)	Up to 50m (164 ft)

Options

Nozzles	Different sizes available
Aquajet Online	Online tracking



The Spine roller is connected to the Ergo Spine with a single bolt.



Quick connection with single bolt for different brackets and tools.



Quick connect on the Controller.



Remove back cover for easy access to all maintenance jobs.

Compatible attachments



ROTOLANCE ERGO


AQUAJET
750N
AQUAJET
750N

ROBOT ATTACHMENTS

Aquajet's range of robot attachments expands the capabilities of every Aqua Cutter and Ergo. From powerful Rotolances to versatile Extension Kits and the innovative Hybrid Kit, each attachment enhances flexibility, precision, and performance — adding value to every hydrodemolition project.



Articulated extension for greater reach in difficult locations.

EXTENSION KIT

Aqua Cutter / Aqua Rail system

The Extension Kit is an easy way to extend the Aqua Cutter's reach and flexibility for vertical and up-and-under operations. With the kit attached, the robot can work on the sides or beneath a bridge while staying on the deck —without the need to remove the bridge railing. It's simple to install, requires no special tools, and doesn't need any modifications to the robot's design.

Key features

- **Extended reach** and flexibility.
- **Compatible with all Aqua Cutters** as well as the Aqua Rail System.
- **Multi positioning -** horizontal, vertical, up-and-under operations.
- **No need for special tools** or other changes on the robot.
- **Max reaction force** between 1400-2500 N.
- **Bend range** from 0° to 112.5°.
- **Max extension between** 1,5 m (4,9 ft) and 2,0 m (6,6 ft) depending on model.
- **Comes in several different versions** depending on Aqua Cutter/Aqua Rail model.







3000 BAR
(43 500 psi)

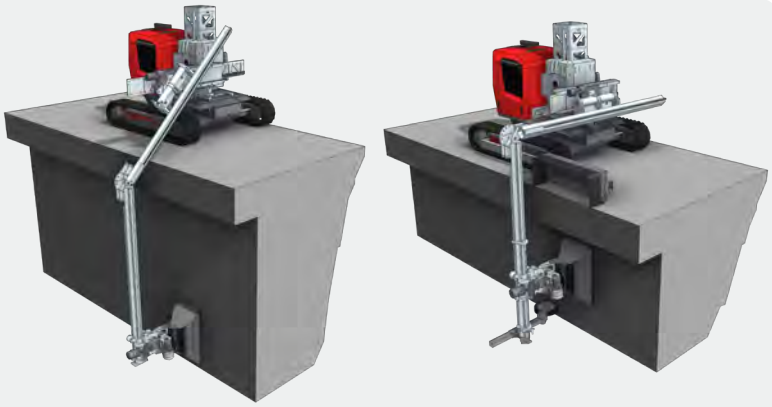
1400-2500 N
(315-562 lbf)

QUICK CONNECTION

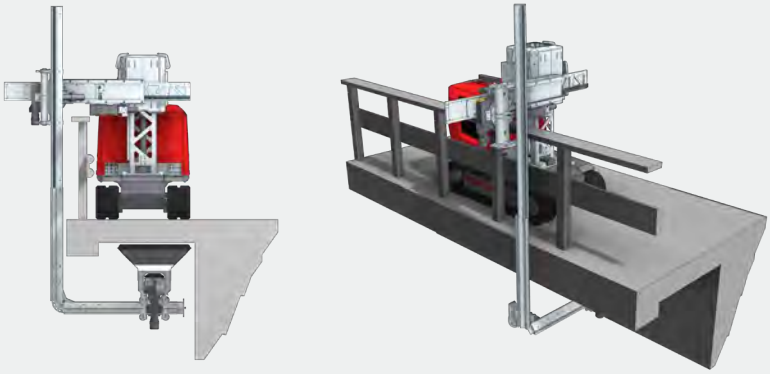
SINGLE BOLT SYSTEM

MULTI POSITIONING

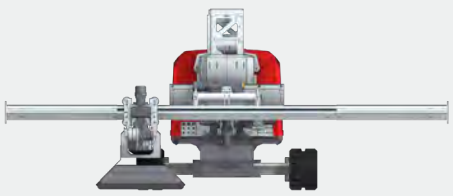
Size/Range	Extension kit 750	Extension kit 710	Extension kit 450	Extension kit 410
Elbow angle min	0°	0°	0°	0°
Elbow angle max	112,5°	112,5°	112,5°	112,5°
Elbow angle increments	22,5°	22,5°	22,5°	22,5°
Extension beam length	2 x 1,0 m (3,3 ft)	2 x 1,0 m (3,3 ft)	1,0 m (3,3 ft) + 0,5 m (1,6 ft)	2 x 0,75 m (2,5 ft)
Protection cover width	790 mm (31 in)	720 mm (28 in)	655 mm (25,8 in)	530 mm (21 in)
Max extension	2.0 m (6,6 ft)	2.0 m (6,6 ft)	1,5 m (4,9 ft)	1,5 m (4,9 ft)
Weight				
Extension beam	21 kg (46 lb)	28 kg (62 lb)	19 kg (42 lb) + 11 kg (24 lb)	9 kg (20 lb)
Elbow	28 kg (62 lb)	30 kg (66 lb)	26 kg (57 lb)	16 kg (35 lb)
Operation				
Max reaction force	2500 N (562 lbf)	2500 N (562 lbf)	1600N (360 lbf)	1400 N (315 lbf)
Options				
Beams	0,25 m (0,8 ft)	0,25 m (0,8 ft)	0,25 m (0,8 ft)	0,25 m (0,8 ft)
	0,5 m (1,6 ft)	0,5 m (1,6 ft)	0,5 m (1,6 ft)	0,5 m (1,6 ft)
	-	0,75m (2,5 ft)	-	0,75m (2,5 ft)
	1,0 m (3,3 ft)	1,0 m (3,3 ft)	1,0 m (3,3 ft)	1,0 m (3,3 ft)
	2,0 m (6,6 ft)	2,0 m (6,6 ft)	2,0 m (6,6 ft)	2,0 m (6,6 ft)
Support wheel	ø300 mm (12 in)	ø300 mm (12 in)	ø300 mm (12 in)	ø200 mm (8 in)
Protection cover trackside	870 mm (34 in)	870 mm (34 in)	870 mm (34 in)	870 mm (34 in)



Access areas below, such as piers. Support wheel for extra stability and protection covers for the tracksides is an option.



Access areas below and under, such as under a bridge, or up and over.



Access wider areas horizontal or vertical without the elbow.

Compatible with



AQUA CUTTER



AQUA RAIL SYSTEM 3.0

Smoothing the path with surface preparation.

ROTOLANCE

Aqua Cutter

The Rotolance is a versatile tool for cleaning, light removal and preparatory work to roughening concrete surfaces. It removes concrete, paint and various kinds of layers such as rust and plastic – without vibrations and dust pollution.



Key features

- **Surface preparation,** light removal and industrial cleaning.
- **Attachment for all Aqua Cutters** as well as the Aqua Spine.
- **Multiple versions**, depending on pressure and flow.
- **Up to 1000 or 2500 bar** (14,500 or 36,300 psi).
- **Comes equipped with** vacuum connections for quick and efficient cleanup.
- **Removal capacity of 0-20 mm** in standard configuration.
- **Compatible with** Dual and Triple nozzles.









3000 BAR
(43 500 psi)

MULTI
POSITIONING

QUICK
CONNECTION

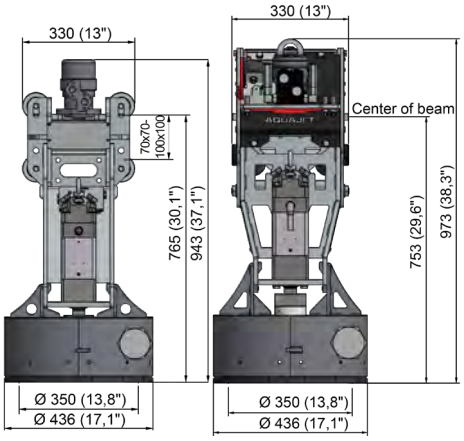
SINGLE BOLT
SYSTEM

	Rotolance 1000 (Aqua Cutter 710/750)	Rotolance 2500 (Aqua Cutter 710/750)	Rotolance 2500 XL (Aqua Cutter 710/750)	Rotolance 2500 LT (Aqua Cutter 410)
Size/Range				
Working diameter	350 mm (13,8")	350 mm (13,8")	350 mm (13,8")	210 mm (8,3")
Max. water pressure	1000 bar (14 500 psi)	2500 bar (36 300 psi)	2500 bar (36 300 psi)	2500 bar (36 300 psi)
Max. water flow	240 l/min (63,4 gpm	65 l/min (17,2 gpm)	150 l/min (39,6 gpm)	65 l/min (17,2 gpm)
HP hose connections	M36x2 DKO	9/16" LH (M30x2) M14x1,5 LH (M30x2)	9/16" LH (M30x2) M14x1,5 LH (M30x2)	9/16" LH (M30x2) M14x1,5 LH (M30x2)
Max. number of nozzles	4	20	20	20
Vacuum connections	2×2,5" BSP	2×2,5" BSP	2×2,5" BSP	2×2,5" BSP
Weight				
Weight	108 kg (238 lb) *(710)* 112 kg (247 lb) *(750)*	110 kg (242 lb) *(710)* 112 kg (247 lb) *(750)*	135 kg (298 lb) *(710)* 134 kg (295 lb) *(750)*	86 kg (190 lb) *(410)*
Weight with hosepackage	116 kg (256 lb) *(710)* 118 kg (260 lb) *(750)*	118 kg (260 lb) *(710)* 120 kg (265 lb) *(750)*	143 kg (315 lb) *(710)* 142 kg (313 lb) *(750)*	96 kg (212 lb) ***(410)***
Operation				
Rotation speed (hydraulic)	0-800 rpm *(710)* 0-640 rpm *(750)*	0-1000 rpm (710) 0-1000 rpm (750)	0-1000 rpm (710) 0-1000 rpm (750)	0-1000 rpm (710) 0-1000 rpm (750)
Min water pressure when rotating	100 bar (1450 psi)	250 bar (3626 psi)	250 bar (3626 psi)	250 bar (3626 psi)
Hydraulics				
Max. hydraulic pressure	120 bar (1740 psi) *(710)* 200 bar (2900 psi) *(750)*	120 bar (1740 psi) *(710)* 200 bar (2900 psi) *(750)*	120 bar (1740 psi) *(710)* 200 bar (2900 psi) *(750)*	120 bar (1740 psi) *(410)*
Max. hydraulic flow	20 l/min (5,3 gpm) *(710)* 16 l/min (4.2 gpm) *(750)*	20 l/min (5,3 gpm) *(710)* 16 l/min (4,2 gpm) *(750)*	20 l/min (5,3 gpm) *(710)* 16 l/min (4,2 gpm) *(750)*	20 l/min (5.3 gpm) *(410)*

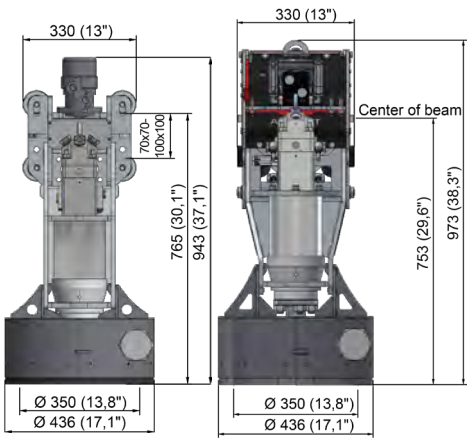


Spraybar with a rotational motion for wider reach.

ROTOLANCE 2500
Aqua Cutter 710/750



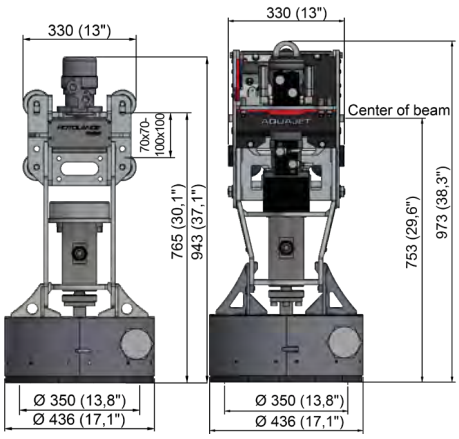
ROTOLANCE 2500 XL
Aqua Cutter 710/750



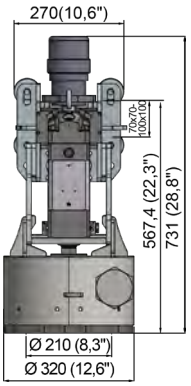


Ideal for surface preparation and shallow removal.

ROTOLANCE 1000
Aqua Cutter 710/750



ROTOLANCE 2500 LT
Aqua Cutter 410



Compatible with



AQUA CUTTER 410/710/750



AQUA CUTTER 450 (2026)



AQUA RAIL SYSTEM 3.0

Smoothing the path with surface preparation.

ROTOLANCE 130/130S

Ergo

The Ergo Rotolance is the ideal addition to your Ergo system! It expands the capabilities of the standard power head, making it perfect for tasks like industrial cleaning, surface preparation, concrete scarification, and paint removal. Available in two models—Rotolance 130 and Rotolance 130S—the Ergo Rotolance helps you tackle any surface challenge with ease and efficiency!



Key features

- **Surface preparation,** light removal and industrial cleaning.
- **Attachment for all Aqua Cutters** as well as the Aqua Spine.
- **Multiple versions**, depending on pressure and flow.
- **Up to 1000 or 2500 bar** (14,500 or 36,300 psi).
- **Comes equipped with** vacuum connections for quick and efficient cleanup.
- **Removal capacity of 0-20 mm** in standard configuration.
- **Compatible with** Dual and Triple nozzles.







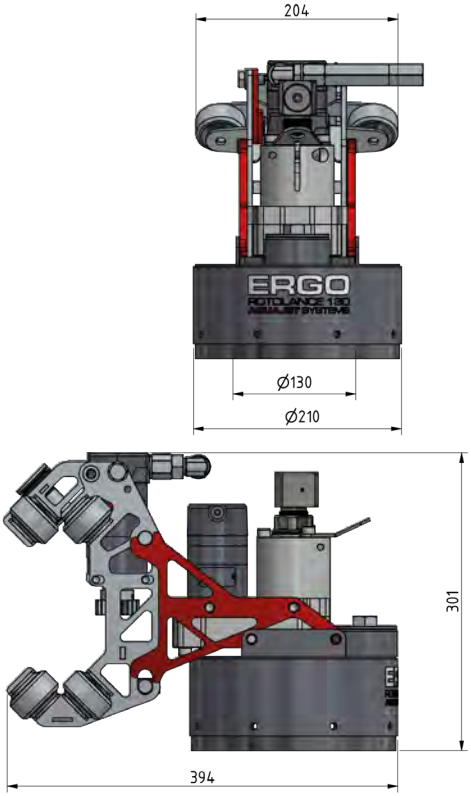
3000 BAR
(43 500 psi)

MULTI POSITIONING

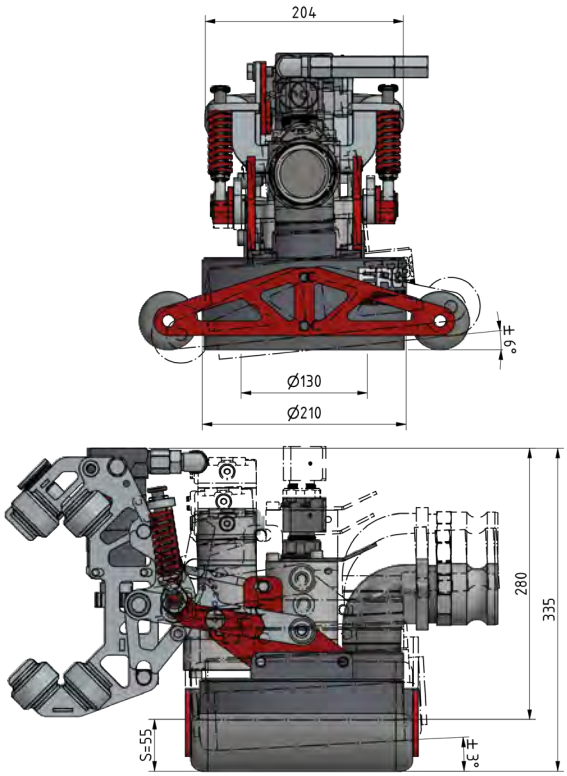
QUICK CONNECTION

SINGLE BOLT SYSTEM

ERGO ROTOLANCE 130



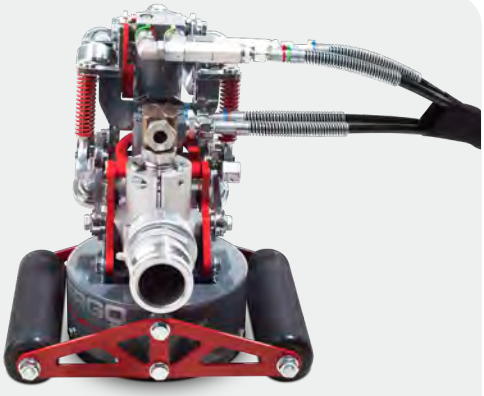
ERGO ROTOLANCE 130S



	Rotolance 130 (Ergo)	Rotolance 130S (Ergo)
Size/Range		
Working diameter	130 mm (5,1 in)	130 mm (5,1 in)
Water pressure	400-3000 bar (5800-43500 psi)	400-3000 bar (5800-43500 psi)
Water flow	0-38 l/min (0-10,0 gpm)	0-38 l/min (0-10,0 gpm)
HP hose connections	9/16" LH (M30x2) M14x1,5 LH (M30x2)	9/16" LH (M30x2) M14x1,5 LH (M30x2)
Max. number of nozzles	8	8
Vacuum connections	2" BSP / 2" camlock	2" BSP / 2" camlock
Weight		
Weight	22 kg (49 lb)	29 kg (64 lb)
Weight with hosepackage	31 kg (68 lb	39 kg (86 lb)
Operation		
Rotation speed (hydraulic)	0-1100 rpm	0-1100 rpm
Min water pressure (rotating)	400 bar (5800 psi)	400 bar (5800 psi)
Hydraulics		
Max. hydraulic pressure	160 bar (2320 psi)	160 bar (2320 psi)
Max. hydraulic flow	7,2 l/min (1,90 gpm)	7,2 l/min (1,90 gpm)



Spraybar that moves in a circle, with up to 8 nozzles for wider reach.



Suspension makes it easy to follow an uneven or curved surface.

Compatible with



ERGO GO



ERGO SPINE GO



AQUA RAIL SYSTEM 3.0

Extend and adapt reach for all kinds of surfarces.

EXTENDER 1.0 M

Aqua Cutter 750V

The Extender is a highly adaptable accessory designed to enhance the Aqua Cutter 750V robot's capabilities by accommodating height differences of up to 1,2 meters. This extension is easily attached to the robot and enables it to effectively navigate sloped roofs, varying-height spaces, and below-grade areas. Its flexibility allows the Aqua Cutter 750V to navigate the challenges posed by varying heights, and complex operational environments, ensuring that the robot can efficiently handle a wide range of tasks.

Key features

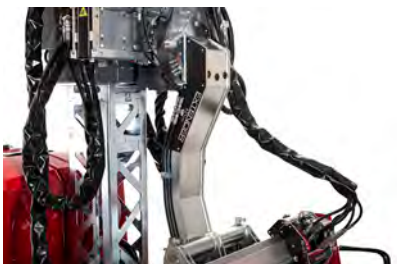
- **Multi use -** attach to the robots slewdrive and front, or to a roller beam.
- **Sloped surface capability** - ideal for inclined roofs and uneven surfaces.
- **Below-grade reach -** operates up to 1,0 m below ground level.
- **Sideways applications -** enables lateral movement for confined areas.
- **Full side shift -** ideal for operations between beams or narrow gaps.
- **Easy installation -** durable and lightweight.









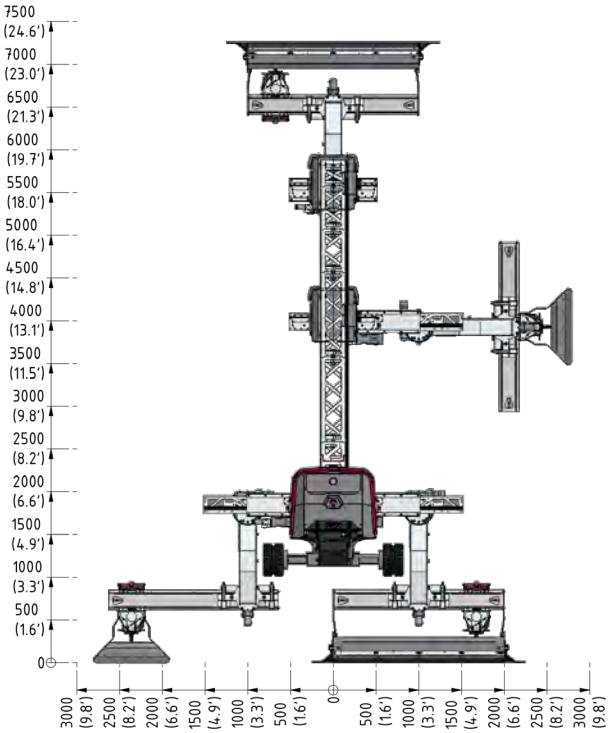


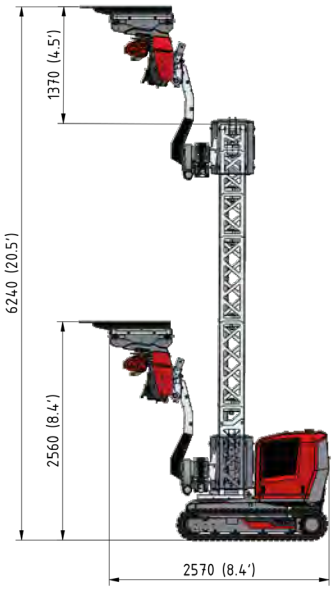
3000 BAR
(43 500 psi)

2000 N
(450lbf)

QUICK
CONNECTION

MULTI
POSITIONING





Size/Range

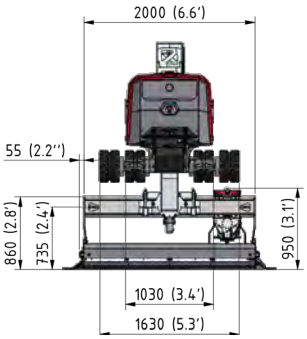
Extension length	1,0 m (3,3 ft)

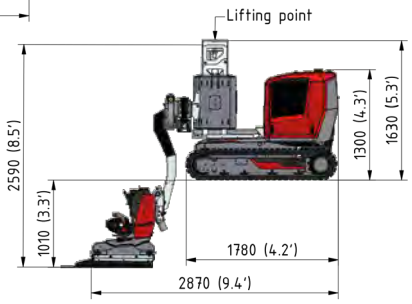
Weight

Weight	40,3 kg (89 lb)

Operation

Max reaction force	2000 N (450 lbf)







The Extender follows slooped roofs with ease.



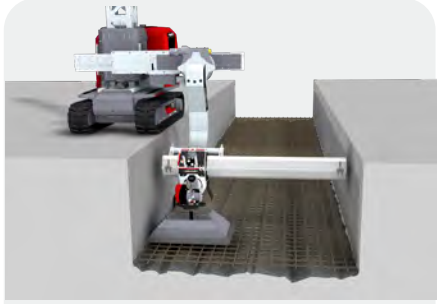
Handles height differences of up to 1,2 m (3,9 ft)



Reaches up to 1,0 m (3,3 ft) below-grade.



Full side shift capabilities.



Attach a roller beam, and sideways capabilities is further enhanced.



Perfect for work in tight spaces, such as in between pillars.

Compatible with



AQUA CUTTER 750V



ROLLER BEAM 750

Full circle hydrodemolition without repositioning.

CIRCULAR KIT

Aqua Cutter 750V

The Circular Kit is a smart, easy-to-use accessory for the Aqua Cutter robot, designed to cut all the way around concrete pillars—up, down, and around—without needing to move the machine. Its two-piece ring design makes it quick to attach and ideal for work on columns, pillars, and similar structures. Whether you're cutting above ground, at ground level, or even below grade, the Circular Kit helps you do it faster, safer, and with more precision.







Key features

- **360° pillar access -** work all around without moving the robot.
- **Two-piece clamp-on design** - easily attached and mounted.
- **Versatile diameter range -** fits pillars from 0,1–1,7 m (0,3–5,6 ft).
- **Full motion -** up, down, below grade and around.
- **Automated precision -** Robot-controlled path and depth.







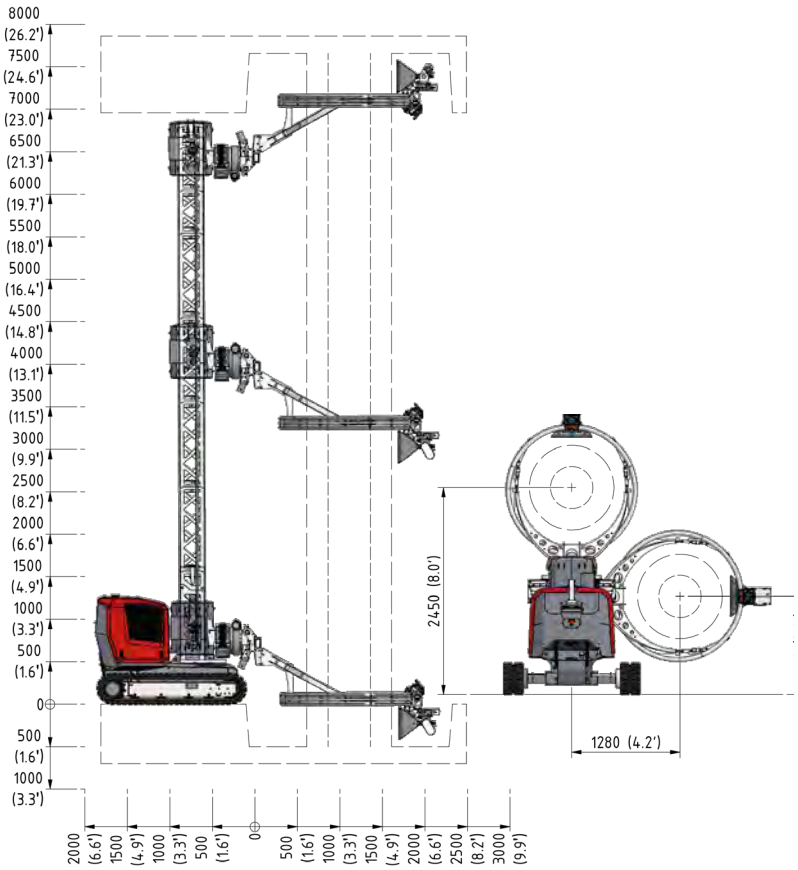
3000 BAR
(43 500 psi)

2000 N
(450lbf)

QUICK CONNECTION

SINGLE BOLT SYSTEM

MULTI POSITIONING



Size/Range

Working diameter	ø0,1-1,7 m (0,3-5,6 ft)
Lance angle	±25°
Lance adjustment in-out	300 mm (11,8 in)
Offset distance (turnplate/lance)	984 mm (38,7 in)

Weight

Circular kit hose kit	8 kg (18 lb)
Circular Power head	54 kg (119 lb)
Circular Power head hose kit	14 kg (31 lb)
ø1,0 m ring	100 kg (220 lb)
Total weight with ø1,0 m ring	176 kg (388 lb)
ø1,5 m ring	120 kg (265 lb)
Total weight with ø1,5 m ring	196 kg (432 lb)
ø2,0 m ring	150 kg (331 lb)
Total weight with ø2,0 m ring	226 kg (498 lb)

Operation

Max reaction force	2000 N (450 lbf)
Max roller speed AUTO	25 m/min (82 ft/min)

Hydraulics

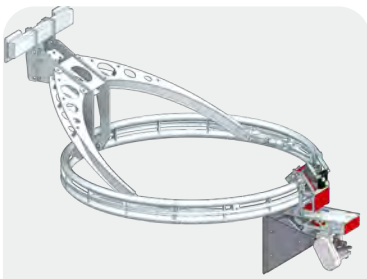
Max hydraulic pressure	200 bar (2900 psi)
Max hydraulic flow	16 l/min (4.2 gpm)



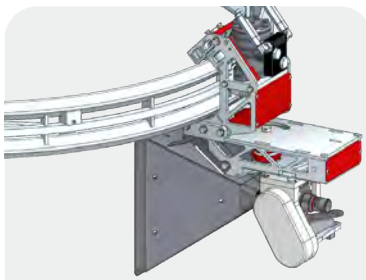
The Circular kit moves up and down pillars or similar constructions with ease.



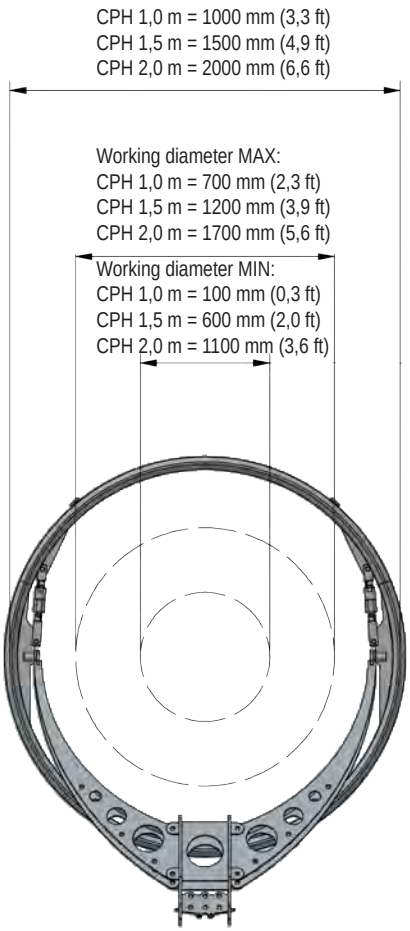
The Circular kit ring can be moved in all directions.



Circular kit with the Circular Power head that moves along the ring.



The Power Head Circular can be manually adjusted in or out for best positioning to the surface.



Compatible with



AQUA CUTTER 750V



AQUA CUTTER 450V (2026)

Complete system for diesel-to-electric robot conversion.

HYBRID KIT

Aqua Cutter 710/750

The Hybrid Kit gives your diesel-powered Aqua Cutter the option to run on electric power when needed—ideal for areas with noise or emission restrictions. Like a hybrid vehicle, it automatically switches between diesel and electric modes, delivering full performance with lower noise and zero emissions. Perfect for parking garages, tunnels, and other enclosed environments with strict regulations.





Key features

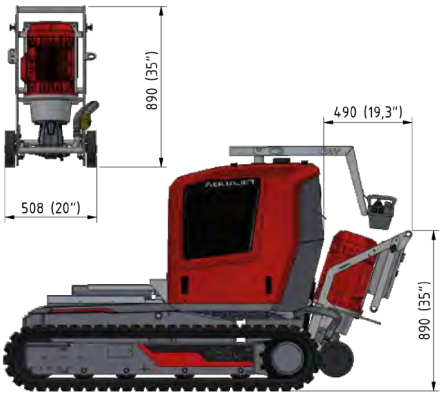
- **Compatible with our diesel driven robots -** the Aqua Cutter 710 and 750.
- **Quick installation -** snaps onto the robot with no tools.
- **Automatic power switching** - smooth transition between diesel and electric mode.
- **Built-in charger -** keeps batteries powered during operation.
- **Quiet and zero emissions -** perfect for sensitive environments.
- **Maximum flexibility -** ideal for steep angles where diesel engines might not perform optimally.

Size/Range	
Length	490 mm (19,2 in)
Width	510 mm (20,1 in)
Height	890 mm (35 in)
Wheels	ø200 mm (7,9 in)

Weight	
Weight	115 kg (254 lbs)

Operation	
Motor power	7,5kW, Electric motor 3 phase
Voltage (standard)	3x400 VAC @ 50Hz
Voltage (standard)	3x480 VAC @ 60 Hz
Recommended fuse	20A, Slow fuse
Recommended generator	20kvA

Other options available upon request.



ELECTRIC

3000 BAR (43 500 psi)

3000 N (674 lbf)

QUICK CONNECTION



AQUA CUTTER 710



AQUA CUTTER 750

Smart transport, stable performance – for every challenge.

PCM KIT

Aqua Cutter 410/450

The PCM Kit is a smart two-part solution that enhances the versatility of the Aqua Cutter 410 and 450. It includes the PCM Carrier—a practical trolley for transporting the Power Control Module—and the PCM Weight Kit, which keeps the crawler stable when the PCM is removed. Together, they enable work in tight, complex spaces and let the PCM power other hydrodemolition equipment without compromising performance or control.





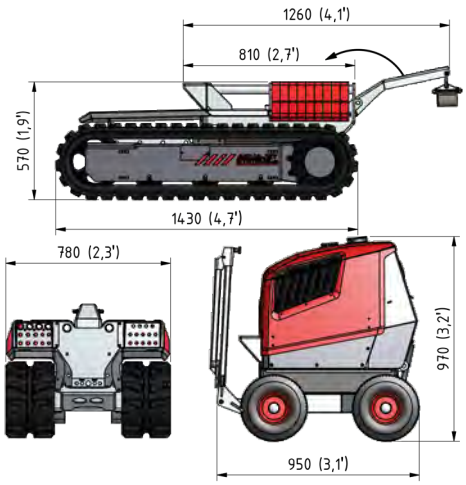
Key features

- **Practical trolley** for the Aqua Cutter 410 and 450 robot's Power Control Module (PCM).
- **Weight kit that attaches to the robots crawler** to keep it stable and balanced without the PCM. Replicates the weight of the PCM.
- **Easily move the PCM** on the trolley to hard-to-reach areas or for powering other hydrodemolition equipment.
- **Operate the crawler separately** without performance loss.
- **Enables powering of fixed** hydrodemolition setups remotley.
- **Ideal to use for tight** or hard-to-reach areas.









PCM Carrier	
PCM position	Backward/Forward
Brakes	Front wheels
Steering	Front wheels
Weight	70 kg (154 lb)

PCM Weight kit	
Weight	300 kg (661lb)

3000 BAR (43 500 psi)

3000 N (674 lbf)

QUICK CONNECTION



AQUA CUTTER 410



AQUA CUTTER 450

Compact, adaptive and ready to take on any tunnel.

TUNNEL KIT

Aqua Cutter 410V

The Tunnel Kit upgrades your Aqua Cutter 410V or 450V for efficient work in tight, curved, or uneven tunnel spaces. Designed to handle tunnels with diameters from 1.3 to 3 meters (4.3–9.8 ft), it makes hydrodemolition in confined areas easier and more accurate. With automatic surface detection and adjustable distance to the wall, the robot keeps a steady working range even in challenging shapes like oval or sloped tunnels.



Key features

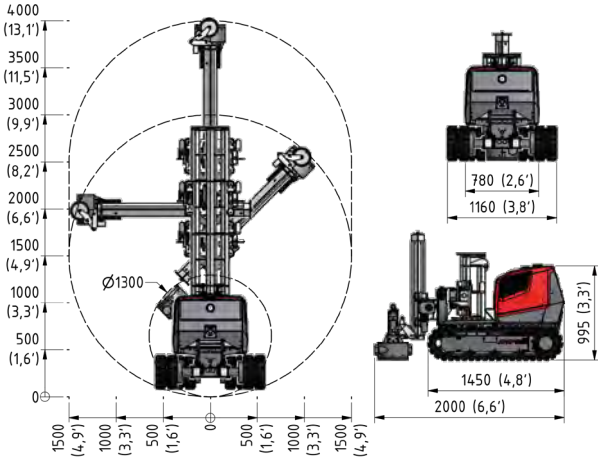
- **Works in tunnels with diameters** from 1.3 to 3 meters (4.3–9.8 ft).
- **Compatible with Aqua Cutter** 410V and 450V.
- **Automatic** surface detection.
- **Adjustable** working distance.
- **Ideal for confined, curved** and uneven spaces.
- **Quick to install** and easy to use.





Attach the Tunnel Kit to your Aqua Cutter 410V to easily reach all the way around inside tunnels. In tight or water-filled spaces—like sewers—the PCM can be detached to remotely power the crawler and Tunnel Kit.





Size/Range

Operating diameter	1,3-3,0 m (4,3-9,9 ft)
Diameter nozzle head	250 mm (9,8")

Weight

Weight (tunnel kit)	450 kg (992 lb)
Weight (tunnel kit + 410V)	1160 kg (2560 lb)

Operation

Flow and pressure	170-65 l/min @ 800-2500 bar

3000 BAR (43 500 psi)

1400 N (315 lbf)

QUICK CONNECTION

MULTI POSITIONING

AQUA CUTTER 410V

Curved precision for rounded surfaces.

CIRCULAR ROLLER BEAM

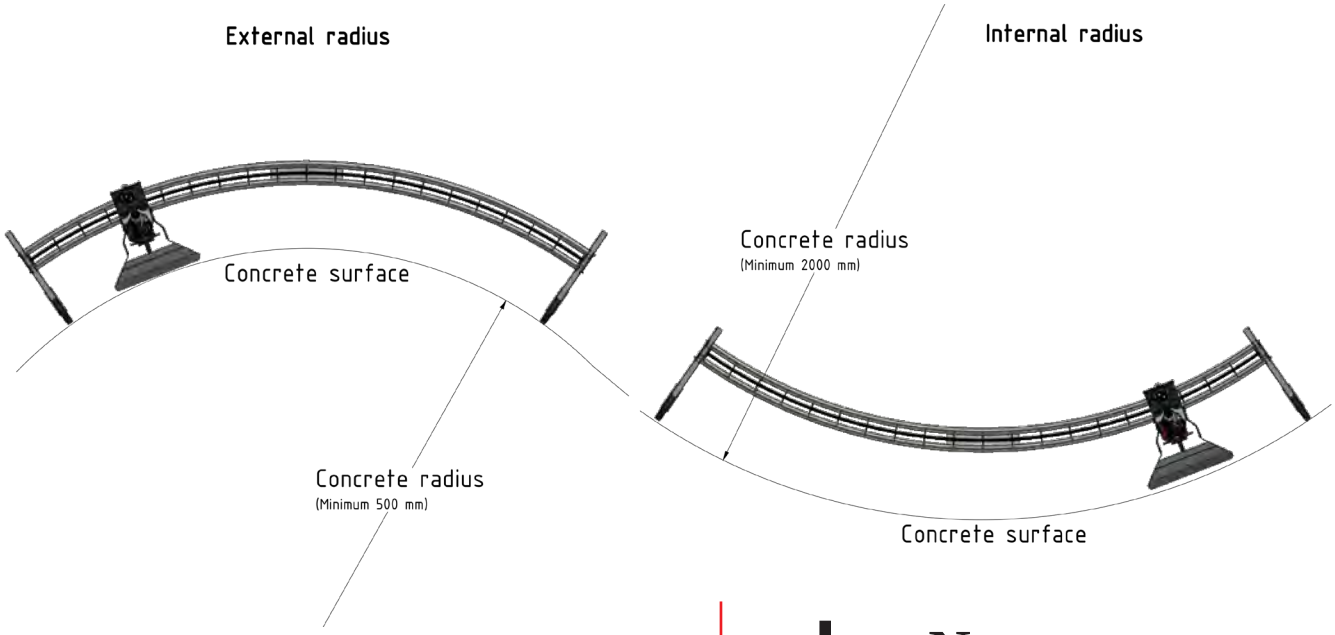
Aqua Cutter 750V

The Circular Roller Beam is a smart upgrade for the Aqua Cutter 750V, made for hydrodemolition on curved and circular surfaces like pillars, tunnels, and rounded structures. It delivers the reach, stability, and control you need—on both inner and outer curves. Just like the straight beam, it attaches via the tilt beam, but adds curved performance plus 360° rotation, 90° tilt, and full vertical travel for complex shapes.



Key features

- **Designed for curved** and circular surfaces.
- **Easily attached to** the Aqua Cutter 750V.
- **Customizable radius,** beam length, and angle.
- **Works on both** inner and outer surface radii.
- **Adjustable tilt** (up to 90°) and 360° rotation.
- **Support wheels** for added stability.
- **Compatible with the Rotolance** for lighter removal.



Size/Range

Min. internal concrete radius	2 m (6,6 ft)
Min. external concrete radius	0,5 m (1,6 ft)
Max. roller beam arc length	4 m (13 ft)

Customizable sizes available upon request.

3000 BAR
(43 500 psi)

3000 N
(674 lbf)

QUICK CONNECTION

MULTI POSITIONING



AQUA CUTTER 750V

More than a lance – it's a system built to adapt.

SUPER LANCE SYSTEM

Hydrodemolition accessories

The Super Lance System is more than just a lance—it's a full set of smart tools designed to make your Aqua Cutter even more adaptable. Built for maximum control and flexibility, this system includes elbows, lance extensions, and multiple nozzle options. Whether you're working around tight corners, adjusting depth, or reaching into difficult areas, the Super Lance System gives you the tools to get the job done right.



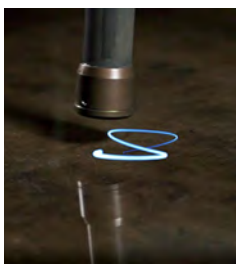
Key features

- **More than just a lance -** Includes elbows, extensions, and multiple nozzle options for full customization.
- **Modular design -** Stack extensions and configure components to fit your exact needs.
- **Obstacle-ready -** Elbows help navigate around tight or complex structures.
- **Quick customization -** Easily adjust setup to match jobsite requirements
- **Maximized versatility -** Adapt your Aqua Cutter for a wider range of hydrodemolition tasks.
- **Compatible with the Aqua Rail System** as well as several other attachments.







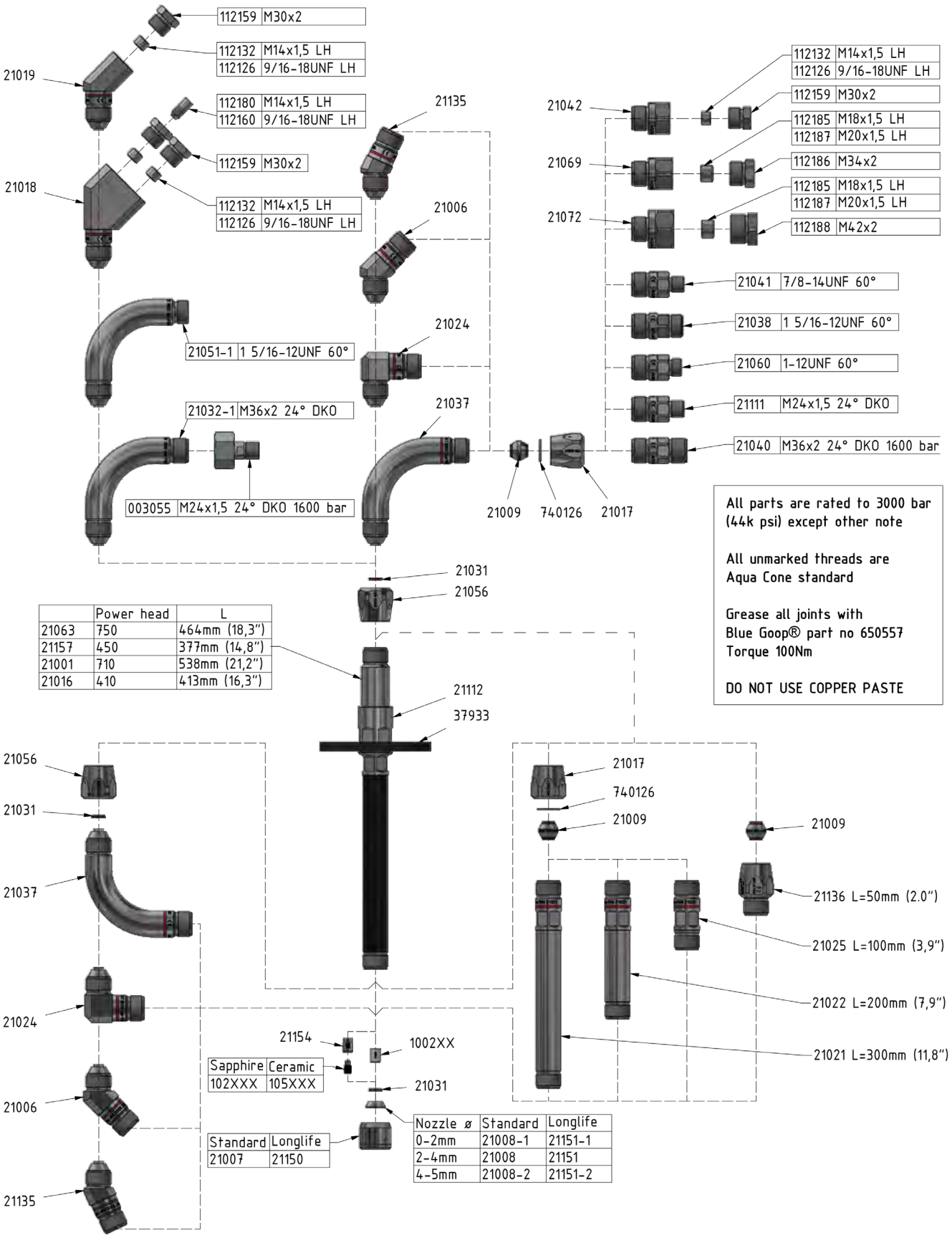


3000 BAR
(43 500 psi)

3000 N
(674 lbf)

QUICK
CONNECTION

MULTI
POSITIONING



Compatible with



AQUA CUTTER



AQUA RAIL SYSTEM 3.0

Divide the power – multiple nozzle solutions.

NOZZLE SOLUTIONS

Hydrodemolition accessories

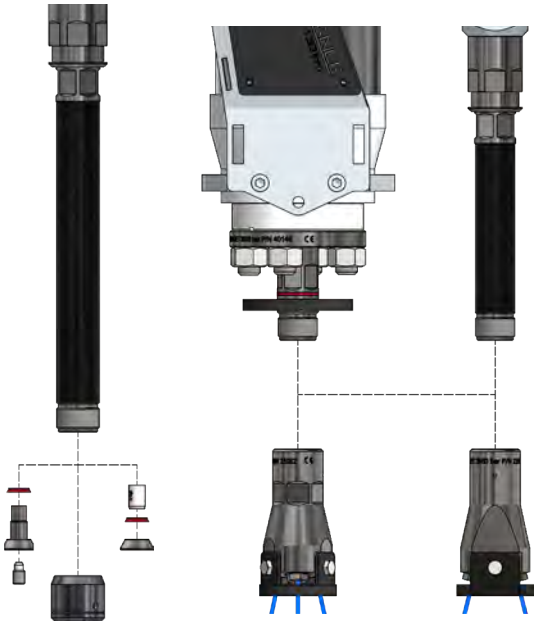
Aquajet provides a complete range of nozzle solutions — from single lances with ceramic nozzles for deep, powerful cuts to multi-nozzle configurations for efficient, shallow concrete removal. With options for both lances and Rotolances, our systems deliver the versatility, precision, and performance needed for any application.



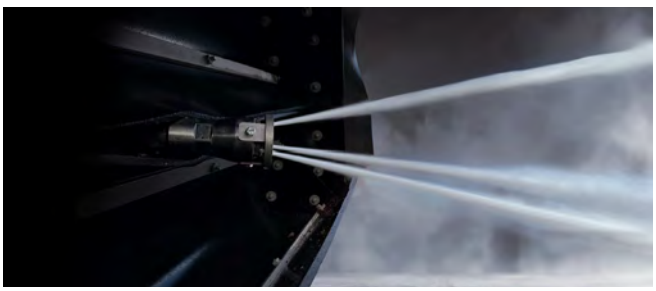
Key features

- **Wide range of nozzle solutions** for deep or shallow, broad or precise removal.
- **Durable Aquajet ceramic nozzles** in multiple sizes for high-pressure performance.
- **Full compatibility** with lances, lance extensions, and Rotolances.
- **Single nozzles** for deeper, more powerful cuts.
- **Dual & Triple Nozzles** for extended coverage and efficient shallow removal.
- **Spraybar configuration** for rotational hydrodemolition — ideal for cleaning, light removal, and surface preparation.









3000 BAR
(43 500 psi)

AQUAJET
CERAMIC NOZZLE

QUICK
CONNECTION

Single Nozzle

The Single Nozzle concentrates all power into a single impact point, providing the most effective and fast concrete removal. With a scattered oscillation pattern, it excels in deeper cuts of 50 mm or more. Compatible with Aquajet ceramic nozzles and standard M10x1.5 with a conical seal, it seamlessly fits all lances, elbows with a female Aqua Cone®, and lance extensions.

Triple Nozzle

The Triple Nozzle further divides water jet power, covering three times more area for consistently smooth cuts, even at shallow depths of 10-50 mm. Compatible with any Aqua Cone® end, this nozzle seamlessly integrates with all lances, elbows with female Aqua Cone®, lance extensions, and Roto-lances (with an Aqua Cone® adapter).

Dual Nozzle

The Dual Nozzle divides water jet power into two impact points, narrowing the oscillation pattern. Perfect for shal-lower removals where the robot's automatic speeds may fall short in smoothing the cut surface (typical depth 20-80 mm). Compatible with any Aqua Cone® end, this nozzle seamles-sly integrates with all lances, elbows featuring female Aqua Cone®, lance extensions, and Rotolances (with an Aqua Cone® adapter).

Spraybar

The Spraybar configuration on the Rotolance stands out for its exceptional effectiveness in surface treatment, encompassing cleaning, light removal, and preparatory work for roughening concrete surfaces. Through rotational hydrodemolition, it offers a removal capacity of up to 10-15 mm. This configu-ration excels in various tasks, including paint, rubber, and rust removal, making it a versatile and ideal choice for a wide range of hydrodemolition projects.

SCAN ME

Nozzle comparison —scan here to see!

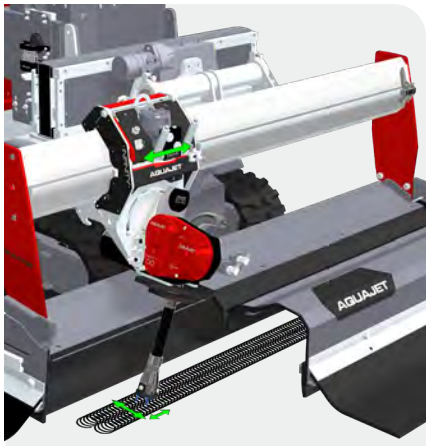
Scan to see Infinity oscillation and nozzle performance in action.



Single nozzle



Dual nozzle



Triple nozzle

Compatible with



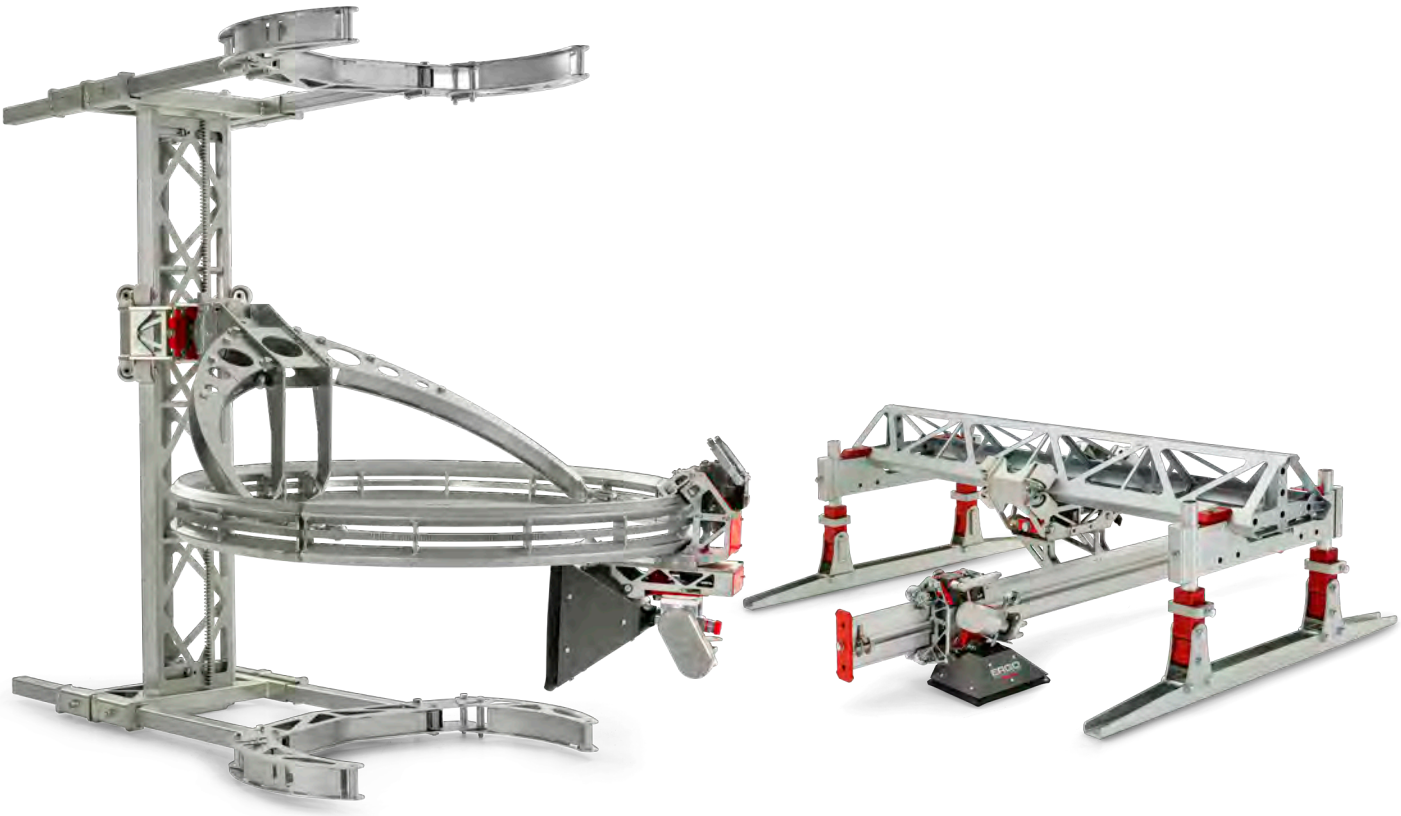
AQUA CUTTER



SUPER LANCE SYSTEM



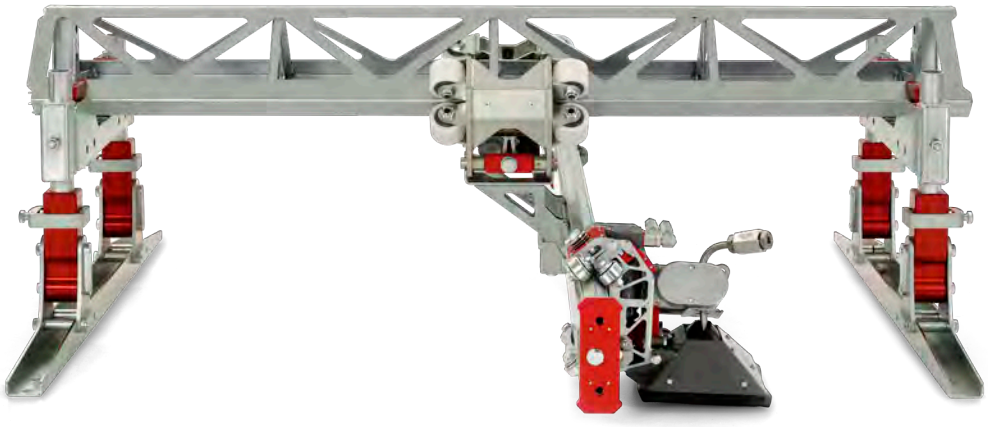
ROTOLANCES



MULTI-MODULAR RAIL SYSTEM

The Aqua Rail System 3.0 is a multi-modular, configurable solution that extends hydrodemolition capabilities in complex environments. With two rail families—Aqua Spine and Ergo Climber—it adapts to both linear and circular applications, from tunnels and pillars to walls and decks, offering unmatched flexibility, efficiency, and precision for all types of projects.





Multi-modular system with adaptable solutions for every challenge.

AQUA RAIL SYSTEM 3.0

BUILD YOUR OWN CONFIGURATION

The Aqua Rail System 3.0 is a versatile, multi-modular solution for hydrodemolition in tough environments, built for maximum flexibility and performance. Designed for configurability, it adapts to each project, ensuring the right setup every time. With its scalable design, the system can be reconfigured or expanded with additional components, reducing the need for new setups and saving time and resources.

For more information about the system and how it can be adapted to your specific project, contact Aquajet directly.

6 steps to configure

1 — CHOOSE YOUR METHOD

Start with either **Linear** or **Circular** hydrodemolition, depending on whether you're working on flat or curved surfaces.



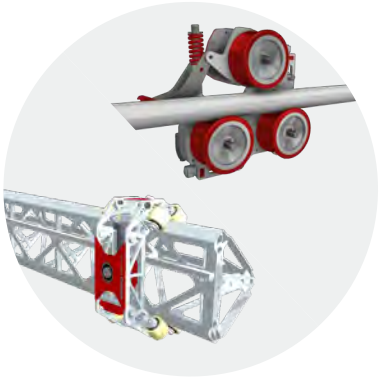
2 — SELECT POWER UNIT

The Aqua Rail system are **compatible** with all Aqua Cutter 3.0 robots as well as the Ergo Controller 3.0.



3 — SELECT RAIL SYSTEM

Based on the project size, goals and the Power Unit in use, pick between the **Aqua Spine** or the **Ergo Climber** as your foundation.

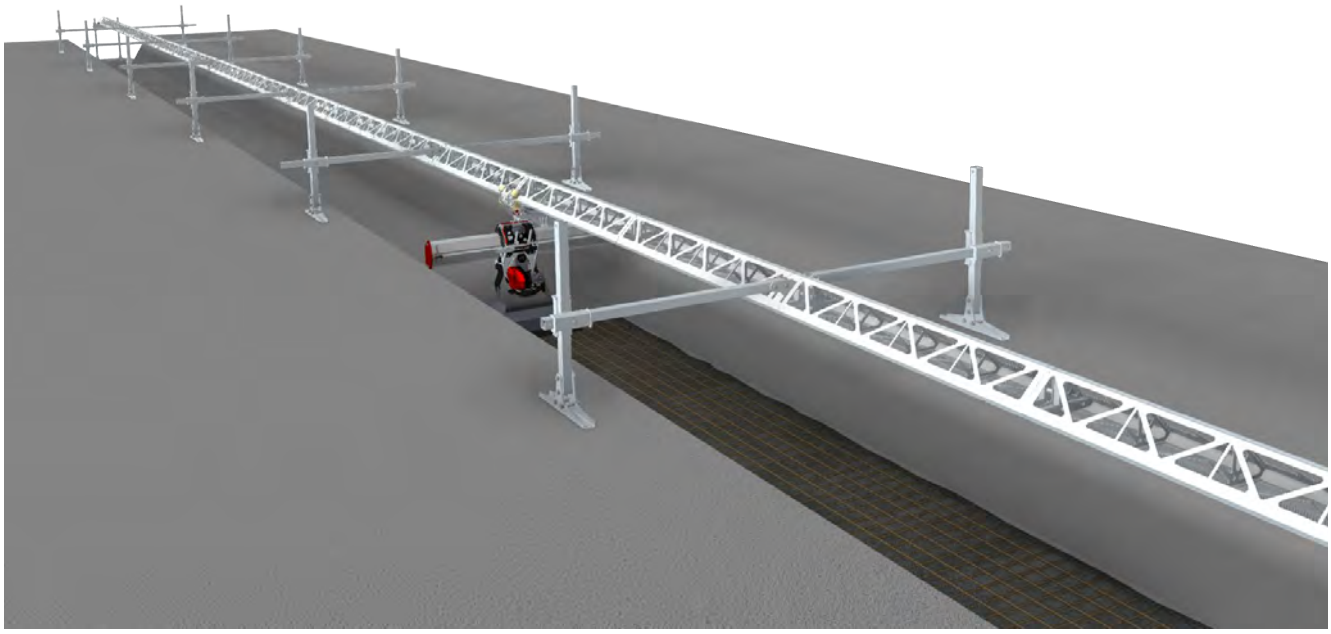


COMPATIBILTY

- Aqua Cutter 750V
- Aqua Cutter 450A
- Aqua Cutter 450V
- Aqua Cutter PCM 450
- Ergo Controller

Aqua Spine 3.0

Ergo Climber 3.0



The Aqua Rail system makes it possible to build infinitely long configurations to suit any project, no matter the surface is vertical, circular or horizontal.

4 — SELECT ATTACHMENT

Once you've chosen Linear or Circular, as well as Rail system, select the right **attachment**: for example, a Roller Beam for Linear work or a Pillar Ring for Circular applications.



- Roller beam 750
- Roller beam 450
- Pillar ring Heavy
- Tunnel ring Heavy
- Pillar/tunnel ring Light

- Roller beam Ergo Linear
- Roller beam Ergo Circular

5 — SELECT POWER HEAD

Choose the **Power Head** that matches both your initial setup and the project requirements.

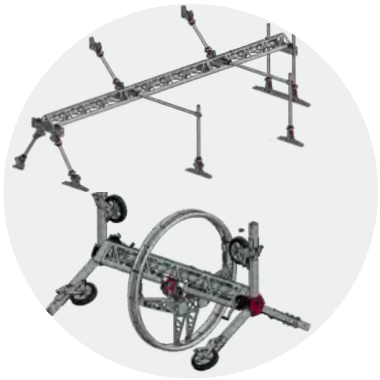


- Infinity Power Head 750
- Infinity Power Head 450
- Power Head Circular
- Rotolance 3.0
- Power Head Ergo
- Rotolance Ergo

- Power Head Ergo
- Rotolance Ergo

6 — SELECT SUPPORT SYSTEM

To ensure stability and precision, select the right support: **Heavy**, **Light**, **Circular**, or **Scaffolding**, depending on your setup and work environment.



- Support system Heavy
- Support system Light
- Support system Circular

- Support system Scaffolding

AQUA SPINE 3.0

Aqua Rail system setup



Triple Spine



Aqua Spine hoist

LINEAR HYDRODEMOLITION

Heavy System



Roller beam 750/450



Support wheel set 750/450



Roller beam Ergo



Power head 750/450



Rotolance 750/450

Light System



Power head Ergo



Rotolance Ergo

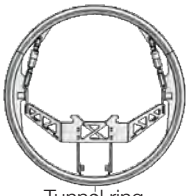
CIRCULAR HYDRODEMOLITION

Heavy System Pillar



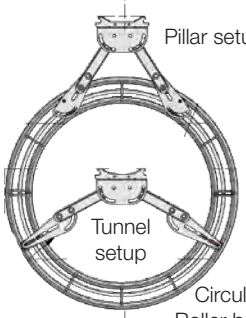
Pillar ring

Heavy System Tunnel



Tunnel ring

Light System Pillar/Tunnel



Pillar setup

Tunnel setup

Circular Roller beam



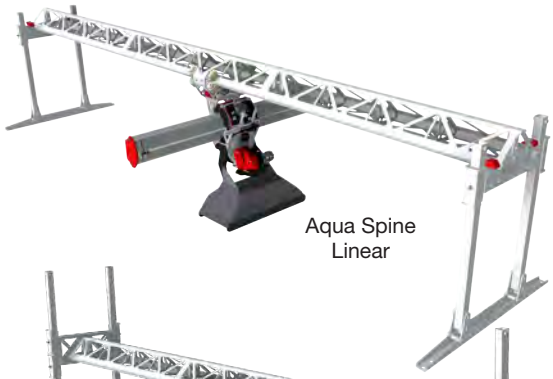
Power head Circular



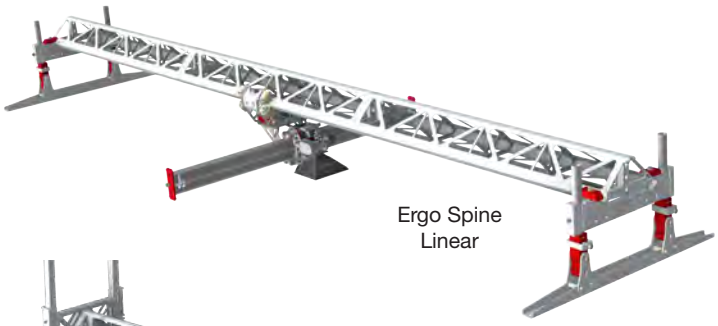
Power head Ergo



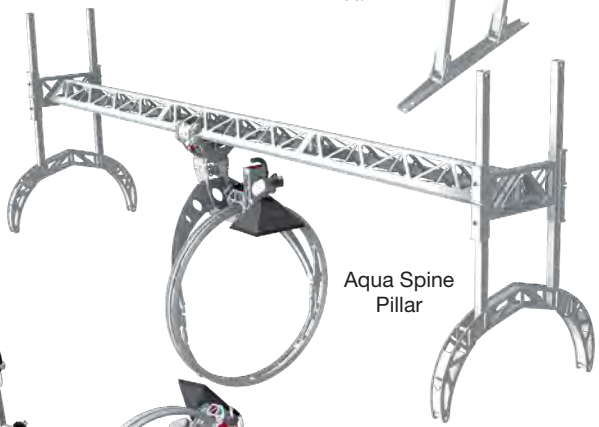
Rotolance Ergo



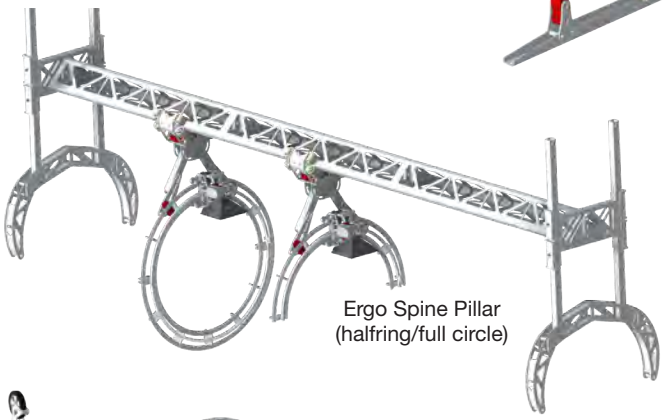
Aqua Spine Linear



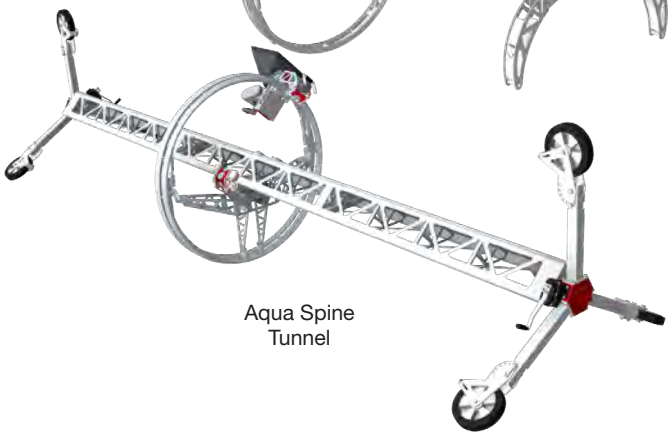
Ergo Spine Linear



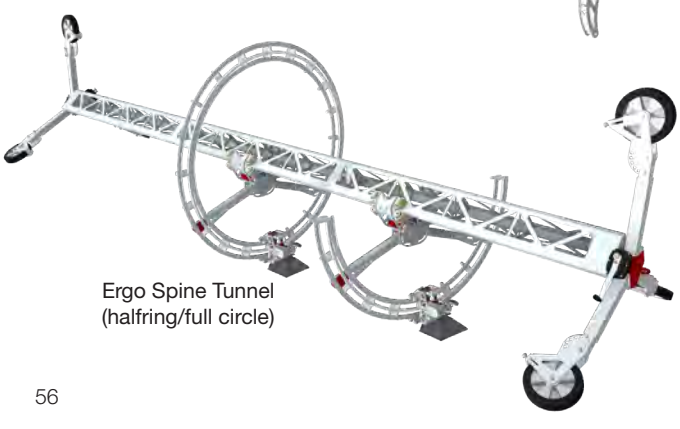
Aqua Spine Pillar



Ergo Spine Pillar (halfring/full circle)



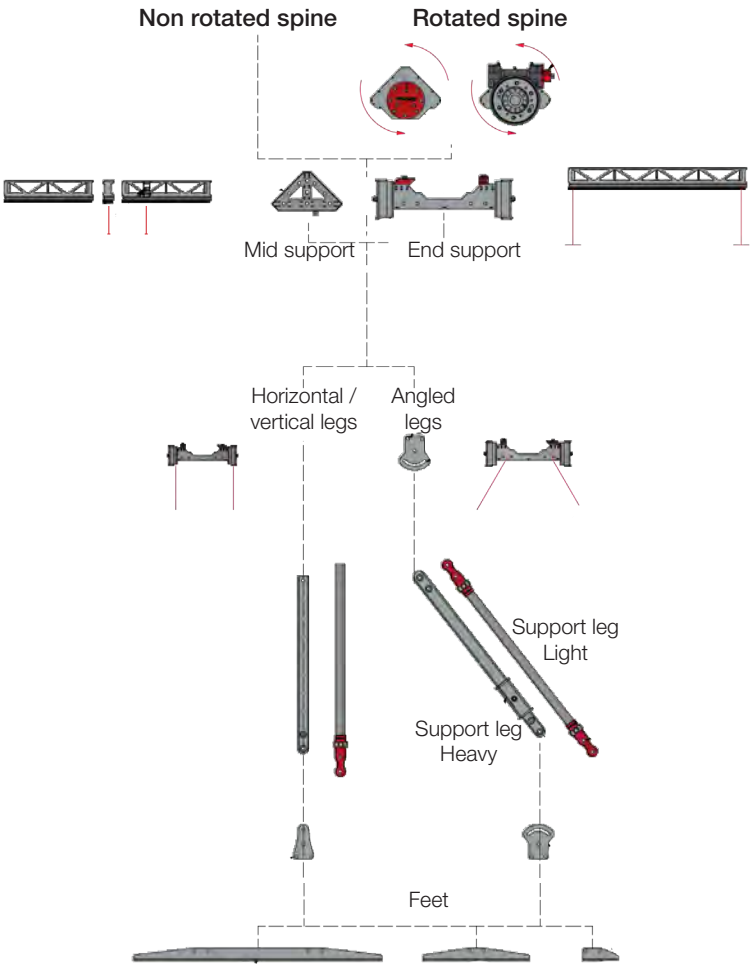
Aqua Spine Tunnel



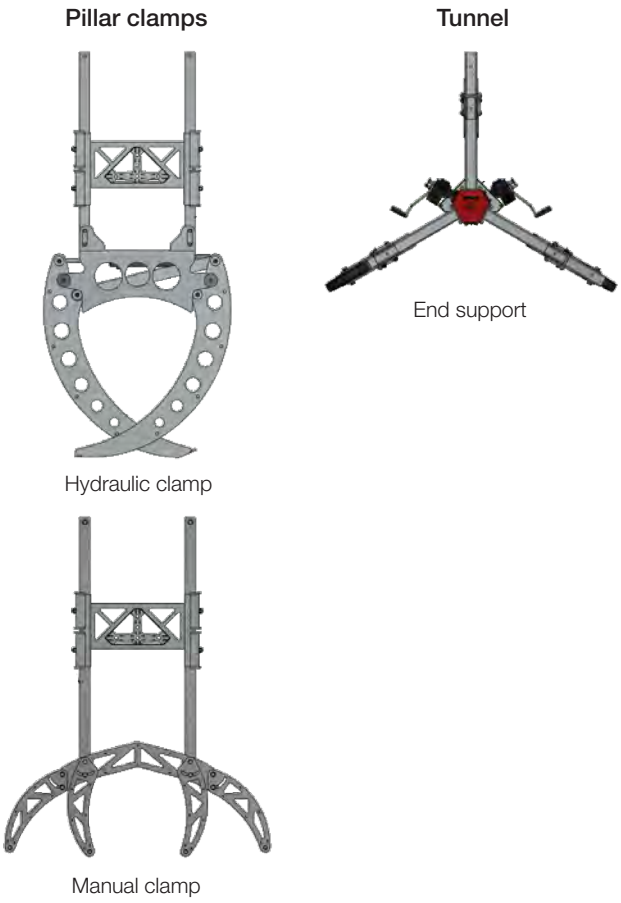
Ergo Spine Tunnel (halfring/full circle)

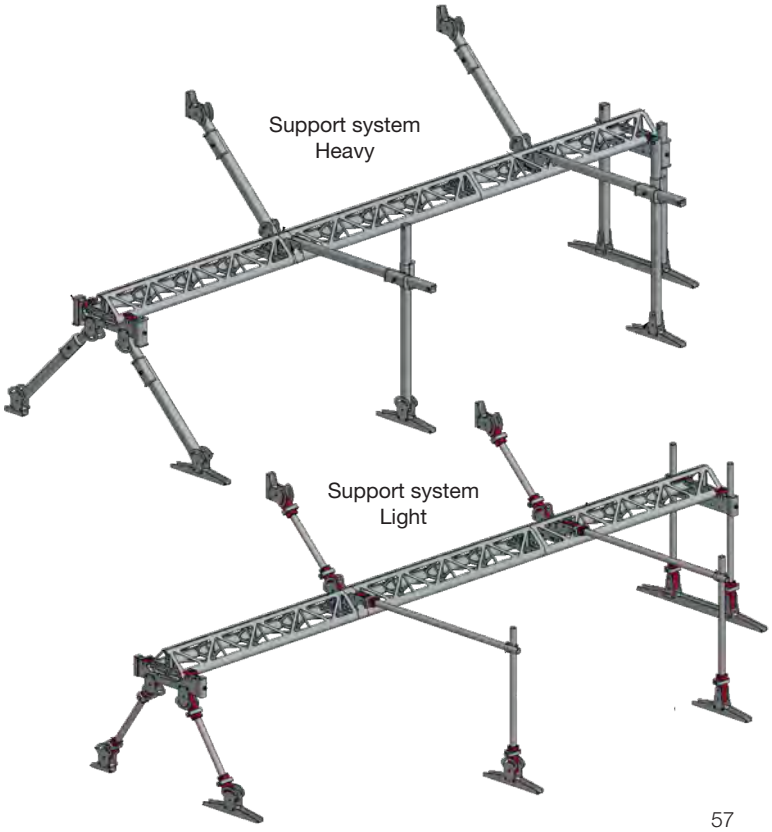
SUPPORT SYSTEM

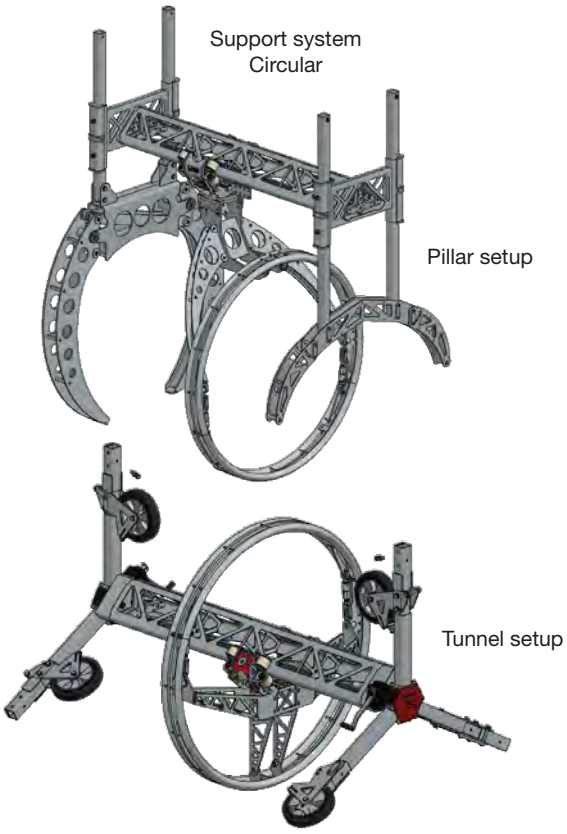
LINEAR HYDRODEMOLITION



CIRCULAR HYDRODEMOLITION



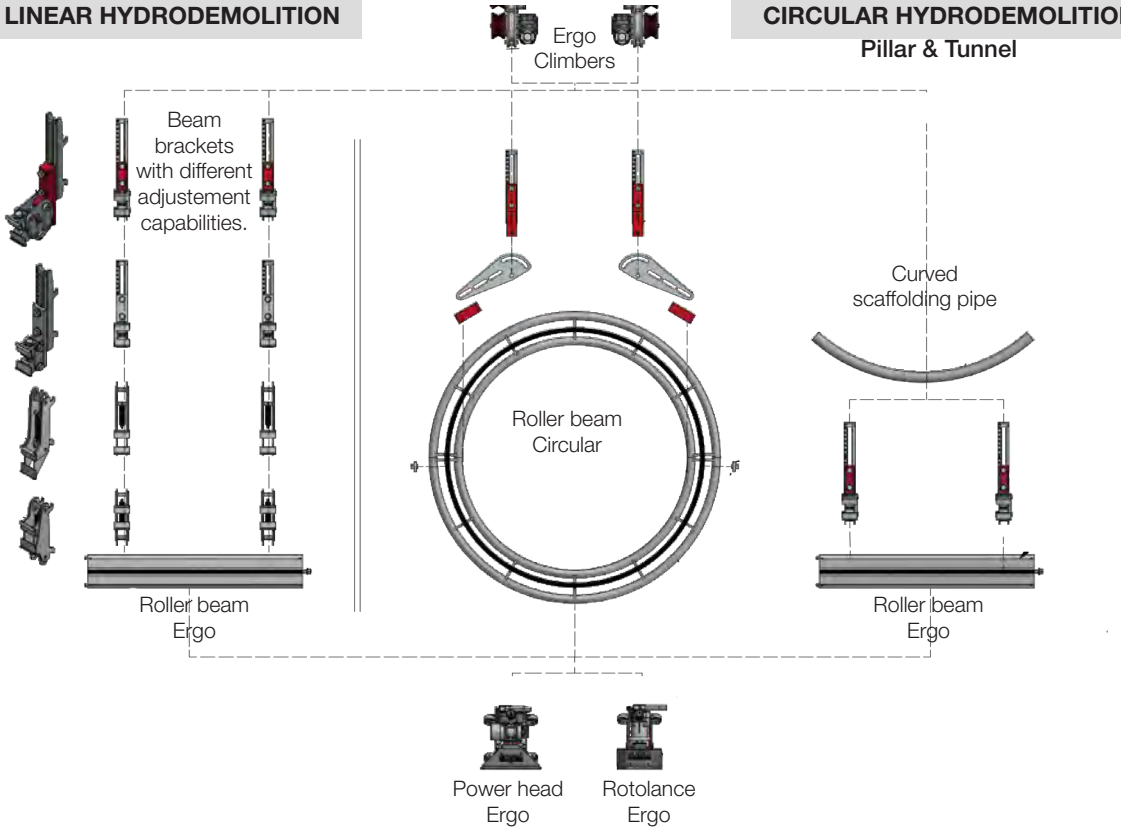




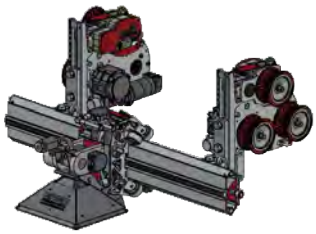
ERGO CLIMBER 3.0
Aqua Rail setup

LINEAR HYDRODEMOLITION

CIRCULAR HYDRODEMOLITION
Pillar & Tunnel



Ergo Climber Linear



Linear setup



Linear setup

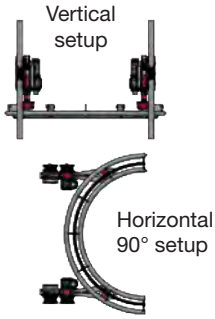
Ergo Climber Circular



Pillar setup

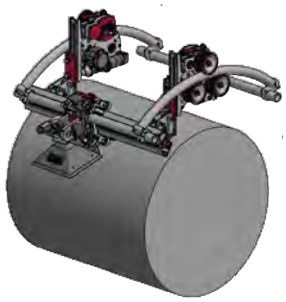


Tunnel setup

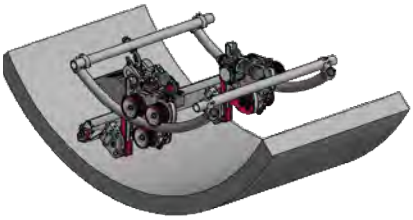




Ergo Climber Curved



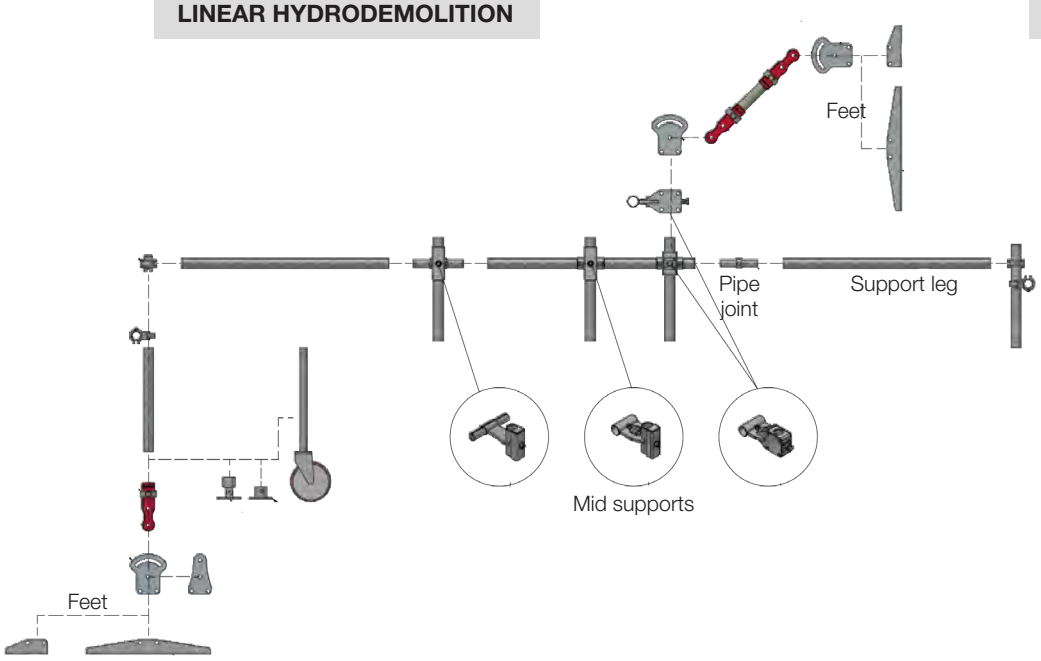
Pillar setup



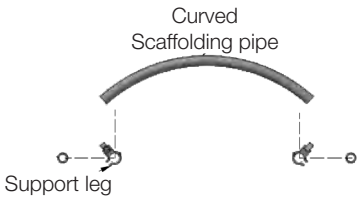
Tunnel setup

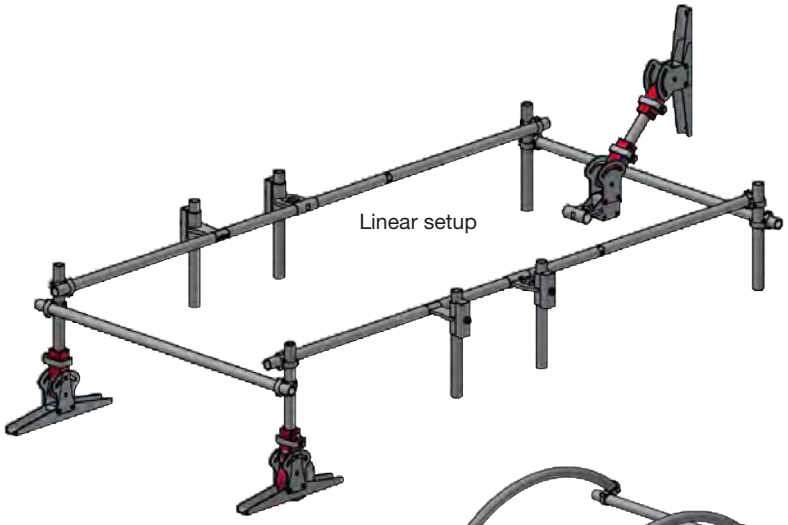
SUPPORT SYSTEM

LINEAR HYDRODEMOLITION



CIRCULAR HYDRODEMOLITION

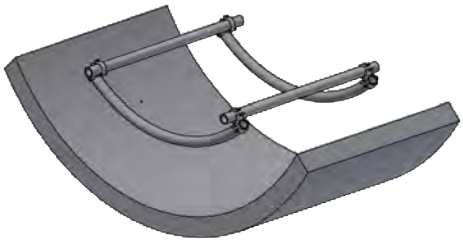




Support system Scaffolding



Pillar setup



Tunnel setup

Heavy-duty rail system for high-rate horizontal and vertical hydrodemolition.

AQUA SPINE LINEAR

Starter kit Aqua Rail System 3.0

The Aqua Spine Linear 3.0 is a heavy-duty system for horizontal and vertical hydrodemolition, built for maximum stability and performance. Featuring a 6 m Aqua Spine rail, a 2 m Roller Beam, and a 750 Power Head, it delivers a removal area of about 12 m² per setup. With a 1,3 m working height and the robust Heavy Support System, it withstands reaction forces up to 3000 N—ideal for demanding, large- scale projects.



Key features

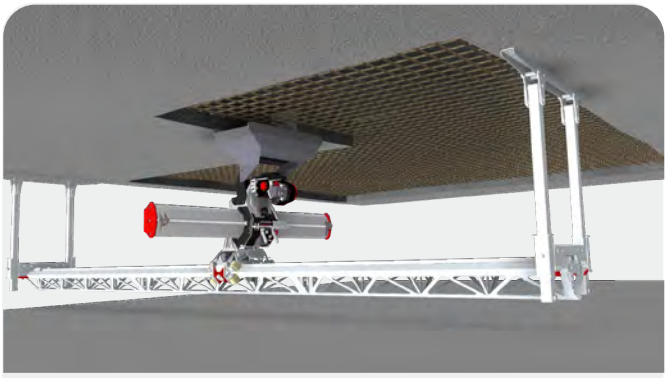
- **Horizontal and vertical** hydrodemolition applications.
- **Fast removal rate** of large areas and deeper cut.
- **Handles reaction forces** up to 3000 N.
- **Approx. 12 m²** removal area per setup.
- **Robust design** with Support system Heavy.
- **Aqua Spine** as a base.
- **Compatible** with both 450 and 750 Power heads and Roller beams.
- **Fully adaptable to a wide range** of configurations via the Aqua Rail system.





INFINITY	3000 BAR (43 500 psi)	3000 N (674 lbf)	6 M (19,7 ft)	1,3 M (4,3 ft)

AQUA SPINE 3.0	POWER HEAD 750	SUPPORT HEAVY	ROLLER BEAM 750	SPINE HOIST	NOZZLE



The Aqua Spine Linear is perfect for roof work and in tight or restricted spaces where an Aqua Cutter cannot operate effectively.



Ideal for large projects on dams and slooped walls.

Size/Range

Length	6 m (19,7 ft)
Width (without roller beam)	1,4 m (4,6 ft)
Height	1,3 m (4,3 ft)
Working width	2 m (6,6 ft)
Lance angle	±45°

Weight

Total weight	425 kg (937 lb)

Operation

Max reaction force	3000 N (674 lbf)

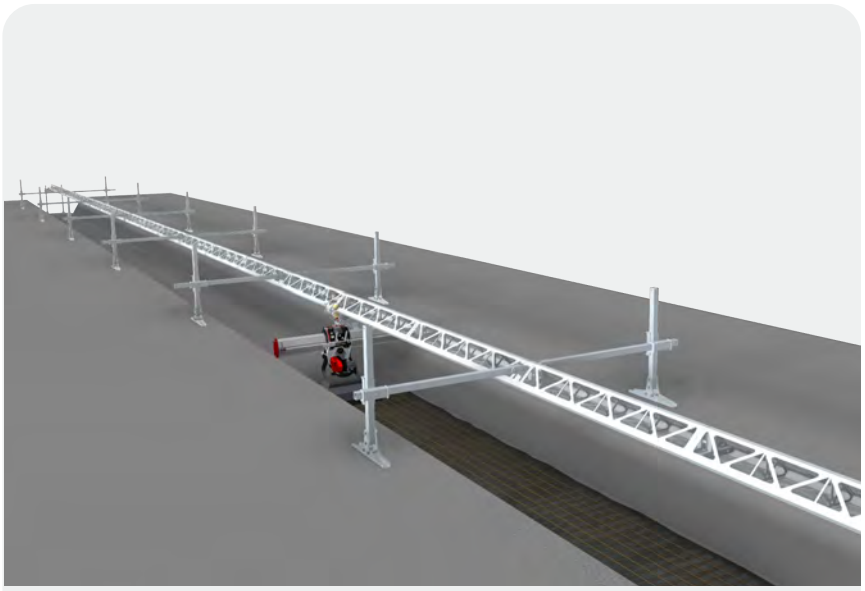
Included in starter kit

Triple Spine rail sections	3 x 2 m (3 x 6,6 ft)
Hoist	Aqua Spine
Power head	750
Roller beam 750	2 m (6,6 ft)
Support legs	Heavy
Support feets	Heavy
End support	Heavy

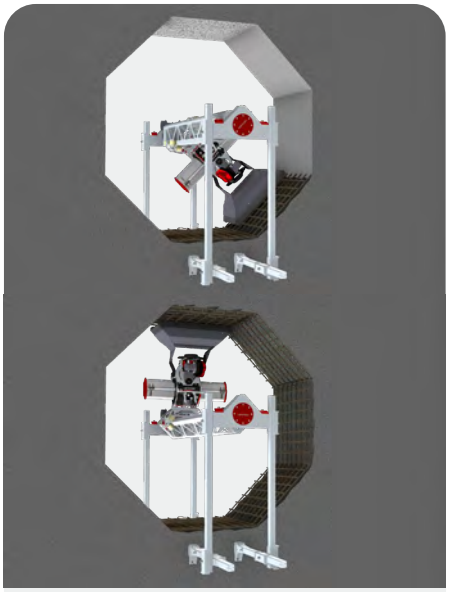
Additional options

Compatible power units	Aqua Cutter 450/750 3.0 Ergo Controller
Compatible Power heads	750/450, Rotolance 3.0
Spine rail sections	0,25/0,5/1,0/2,0 m (0,8/1,6/3,3/6,6 ft)
Roller beam lengths (450/750)	0,25 / 0,5 / 1,0 / 2,2 m (0,8 / 1,6 / 3,3 / 7,2 ft)
Support system	Multiple options

All Aqua Rail starter kits can be adapted to different requirements.



With the Aqua Rail system, you can build infinitely long configurations to suit any project, whether the surface is vertical or horizontal.



With a rotational Spine, it's easy to adjust the Power head to different surface angles.

Compatible with



ERGO CONTROLLER



AQUA CUTTER 450/750



POWER HEAD 450/750/ERGO



ROTOLANCE 3.0



EXTENSION KIT 3.0



AQUA RAIL SYSTEM 3.0

Lightweight rail solution for efficient horizontal and vertical hydrodemolition.

ERGO SPINE LINEAR

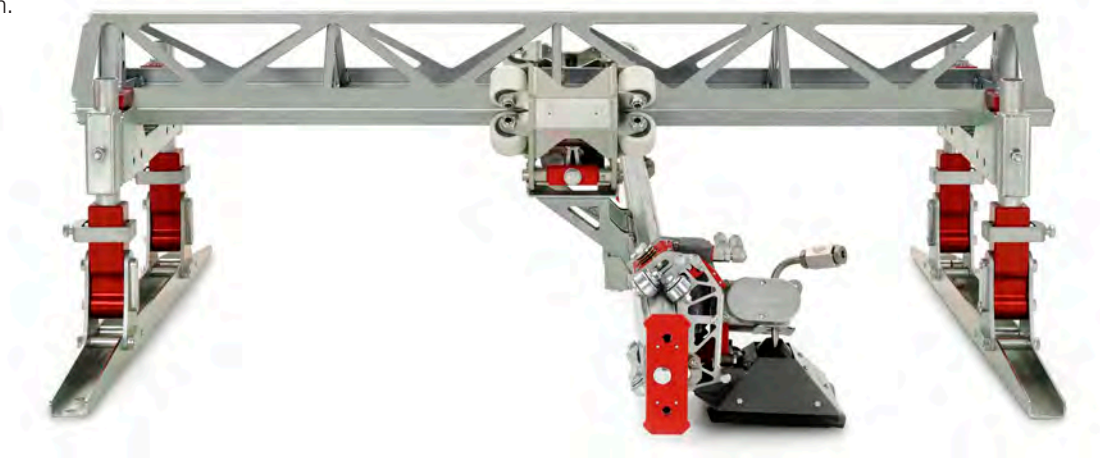
Starter kit Aqua Rail System 3.0

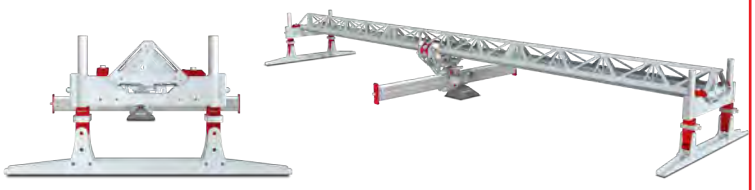
The Ergo Spine Linear 3.0 is a lightweight system for horizontal and vertical hydrodemolition, designed for confined spaces and shallower cuts. Built around a 6 m Aqua Spine rail with a 2 m Ergo Roller Beam and Ergo Power Head, it delivers efficient removal across a setup area of about 12 m². With its compact Light Support System, it handles reaction forces up to 1000 N—making it an excellent choice for surface preparation and refractory projects.

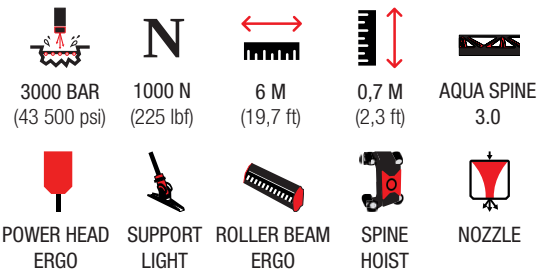


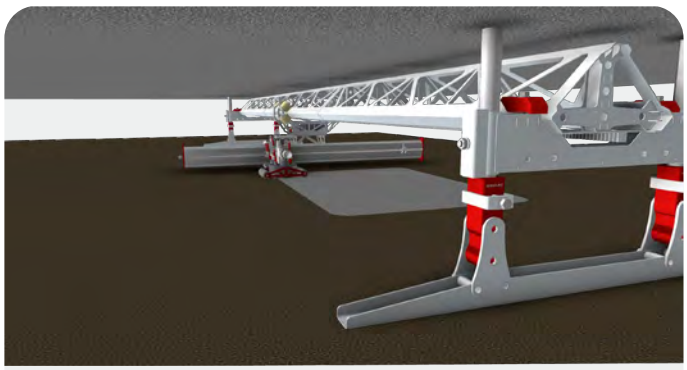
Key features

- **Horizontal and vertical** hydrodemolition applications.
- **Especially designed for** confined spaces and shallow cuts.
- **Handles reaction forces** up to 1000 N.
- **Approx. 12 m²** removal area per setup.
- **Lightweight hydrodemolition system** with Support system Light.
- **Aqua Spine** as a base.
- **Comes with an Ergo** roller beam and Ergo Power head.
- **Adaptable to a wide range** of configurations via the Aqua Rail system.

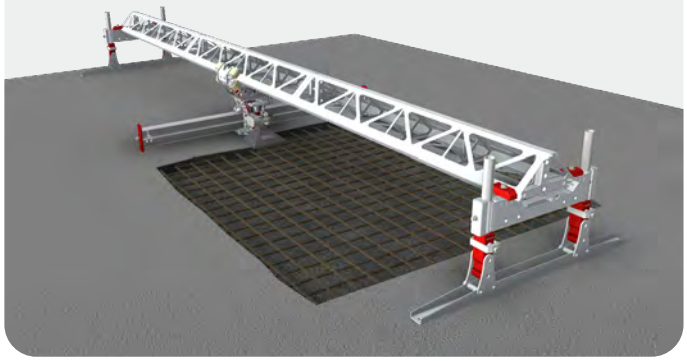








Compact and versatile, the Ergo Spine Linear is built for shallow hydrodemolition, cleaning, and surface prep in tight, hard-to-reach spaces — easily attaching to vertical, sloped, or horizontal surfaces.



Size/Range

Length	6 m (19,7 ft)
Width (without roller beam)	1,4 m (4,6 ft)
Height	0,7 m (2,3 ft)
Working width	2 m (6,6 ft)
Lance angle	±45°

Weight

Total weight	260 kg (574 lb)

Operation

Max reaction force	1000 N (225 lbf)

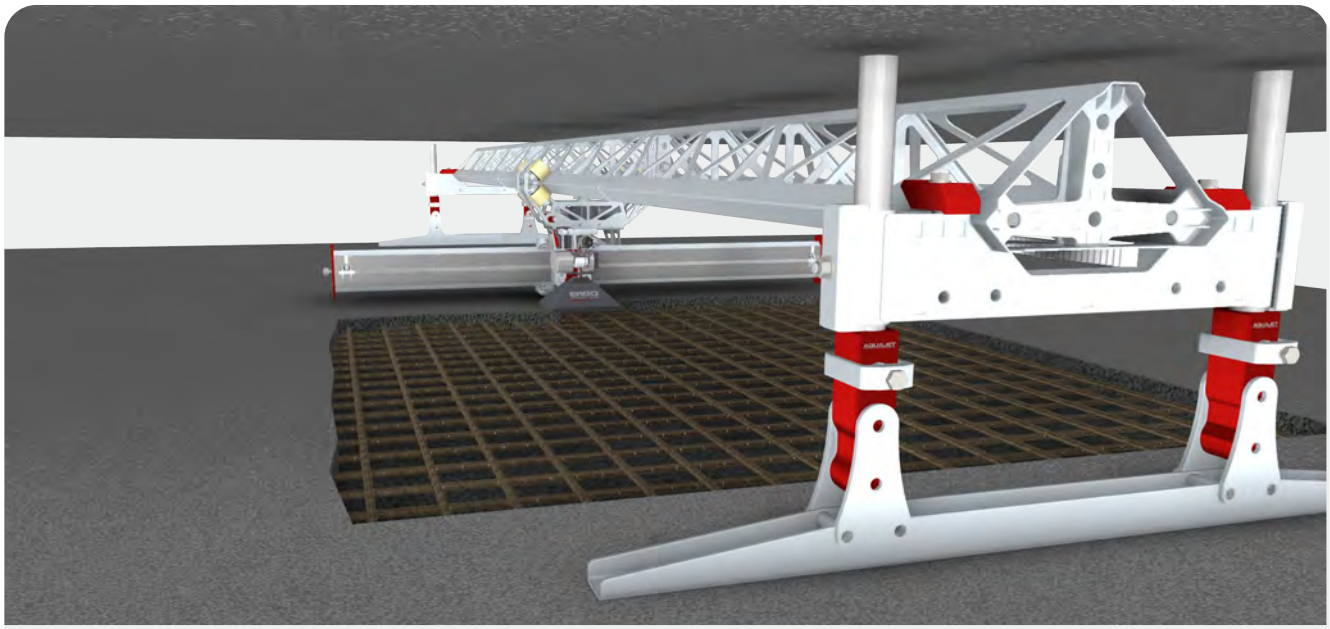
Included in starter kit

Triple Spine rail sections	3 x 2 m (3 x 6,6 ft)
Hoist	Aqua Spine
Power head	Ergo
Roller beam Ergo	2 m (6,6 ft)
Support legs	Light
Support feets	Light
End support	Light

Additional options

Compatible power units	Aqua Cutter 450/750 3.0 Ergo Controller
Compatible Power heads	Ergo, Ergo Rotolance
Spine rail sections	0,25/0,5/1,0/2,0 m (0,8/1,6/3,3/6,6 ft)
Roller beam extensions (Ergo)	0,25 / 0,5 / 1,0 / 2,2 m (0,8 / 1,6 / 3,3 / 7,2 ft)
Support system	Multiple options

All Aqua Rail starter kits can be adapted to different requirements.



By adding additional Spine sections and other components, the Ergo Spine Linear can be extended to virtually any length. It's ideal for hydrodemolition work on buildings where the setup must fit between scaffolding and the surface.

Compatible with



ERGO CONTROLLER



AQUA CUTTER 450/750



POWER HEAD ERGO 3.0



ROTOLANCE ERGO



EXTENSION KIT 3.0



AQUA RAIL SYSTEM 3.0

Scaffolding-based system for flexible horizontal and vertical work.

ERGO CLIMBER LINEAR

Starter kit Aqua Rail System 3.0

The Ergo Climber Linear 3.0 is a compact, lightweight system for horizontal and vertical hydrodemolition, built for confined and limited-access areas. Using the Ergo Climber with the Ergo Roller Beam, Ergo Power Head, and Support system Scaffolding, it offers flexibility and efficiency while supporting reaction forces up to 1000 N. Measuring just 2 × 1,6 m as a starter kit and with a working height of 0.5 m, it delivers efficient removal across 3,2 m² per setup.

Key features

- **Horizontal and vertical** hydrodemolition applications.
- **Compact 2 × 1,6 m setup with** low working height of 0.5 m, ideal for confined spaces.
- **Handles reaction forces** up to 1000 N.
- **Approx. 3,2 m²** removal area per setup.
- **Lightweight hydrodemolition system** with scaffolding-based support system for flexible installation.
- **Ergo Climbers** as a base.
- **Equipped with** Ergo roller beam and Ergo Power head.
- **Ideal for surface prep,** shallow cuts, patch work and industrial cleaning.
- **Adaptable to a wide range** of configurations via the Aqua Rail system.

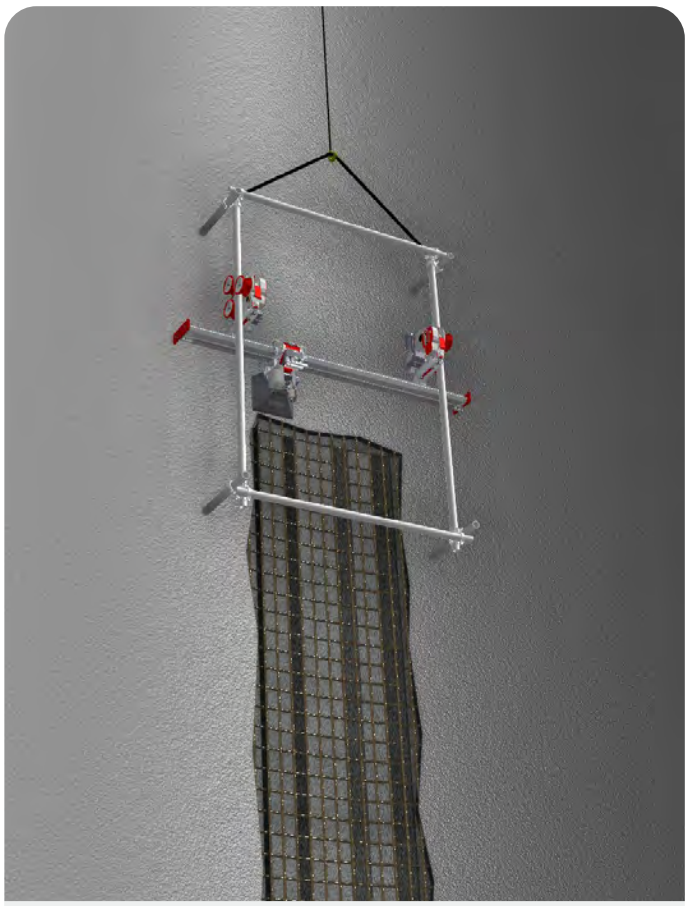








3000 BAR (43 500 psi)	1000 N (225 lbf)	2 M (6,6 ft)	0,5 M (1,6 ft)
CLIMBERS 3.0	POWER HEAD ERGO	SUPPORT SCAFFOLDING	ROLLER BEAM ERGO



The Ergo Climber Linear can be configured for a variety of setups and, thanks to its lightweight design, is ideal for use in high, confined, or otherwise challenging environments.

Size/Range

Length	2 m (6,6 ft)
Width	1,6 m (5,3 ft)
Height	0,5 m (1,6 ft)
Working width	2 m (6,6 ft)
Lance angle	±45°

Weight

Total weight	110 kg (242 lb)

Operation

Max reaction force	1000 N (225 lbf)

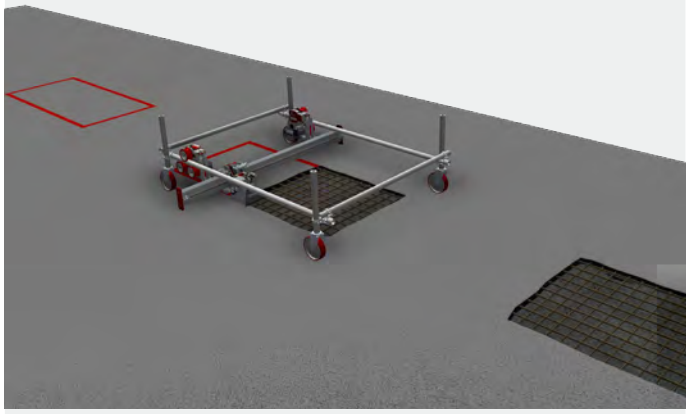
Included in starter kit

Ergo Climbers 3.0	2 pcs
Beam brackets	Standard
Power head	Ergo
Roller beam Ergo	2 x 1,0 m (2 x 3,3 ft)
Support legs	Scaffolding
Cross joints	Fixed

Additional options

Compatible power units	Aqua Cutter 450/750 3.0 Ergo Controller
Compatible Power heads	Ergo, Ergo Rotolance
Scaffolding pipes	ø48,3 mm (ø1,9 in) / NPS 1,5 / DN40
Roller beam lengths (Ergo)	0,25 / 0,5 / 1,0 / 2,2 m (0,8 / 1,6 / 3,3 / 7,2 ft)
Beam brackets	Low, Height adjustible, Height and angle adjustible
Cross joints	Rotatable
Support system	Multiple options

All Aqua Rail starter kits can be adapted to different requirements.



With the addition of support wheels, the Ergo Climber Linear becomes even easier to use for patch work — simply roll the setup to the next repair spot.



By using the Aqua Rail support system, you can adapt the setup for various applications, such as adding angled support legs to secure it against the surface.

Compatible with



ERGO CONTROLLER



AQUA CUTTER 450/750



POWER HEAD ERGO 3.0



ROTOLANCE ERGO



AQUA RAIL SYSTEM 3.0

High-performance circular hydrodemolition for pillars and curved surfaces.

AQUA SPINE PILLAR

Starter kit Aqua Rail System 3.0

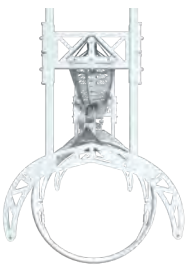
The Aqua Spine Pillar 3.0 is purpose-built for hydrodemolition on pillars and other curved or circular surfaces. Using the Aqua Spine rail, Pillar Ring, and Circular Power Head, it delivers precise, high-performance removal while handling reaction forces up to 2000 N. Designed for fast removal of large volumes and deeper cuts, it comes in three ring sizes to cover pillar diameters from 0.1 m to 1.7 m, ensuring versatility across projects.



Key features

- **Adapted to circular** and curved outer surfaces, such as pillars.
- **Fast removal rate** of large areas and deeper cuts.
- **Handles reaction forces** up to 2000 N.
- **Robust design** with Support system Circular that attaches directly to the surface by pillar clamps.
- **Built around the Aqua Spine rail,** Pillar Ring, and Circular Power Head.
- **Available in three ring sizes** covering pillar diameters from 0,1 m to 1,7 m.
- **Adaptable to a wide range** of configurations via the Aqua Rail system.

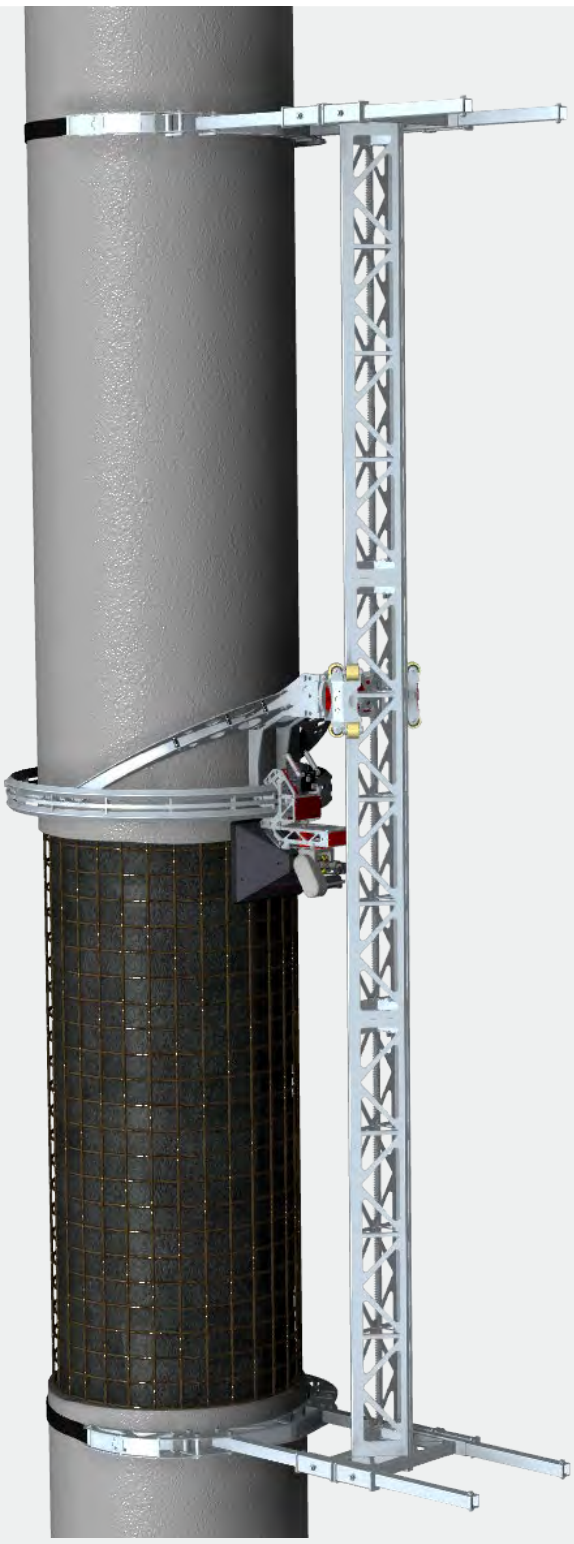






3000 BAR (43 500 psi)	2000 N (450 lbf)	6 M (19,7 ft)	PILLAR RING ø1,5 M (ø4,9 ft)

AQUA SPINE 3.0	POWER HEAD CIRCULAR	SUPPORT CIRCULAR	SPINE HOIST	NOZZLE



Attach the Aqua Spine Pillar kit to the circular surface for either vertical or horizontal hydrodemolition.

Size/Range

Length	6 m (19,7 ft)
Working diameter ring ø1,5 m (ø4,9 ft)	ø0,6-1,2 m (ø2,0-3,9 ft)
Pillar clamps	0,35-1,5 m (1,1-4,9 ft)
Lance angle	±25°
Lance adjustment (in/out)	300 mm (11,8 in)

Weight

Total weight	476 kg (1049 lb)

Operation

Max reaction force	2000 N (450 lbf)

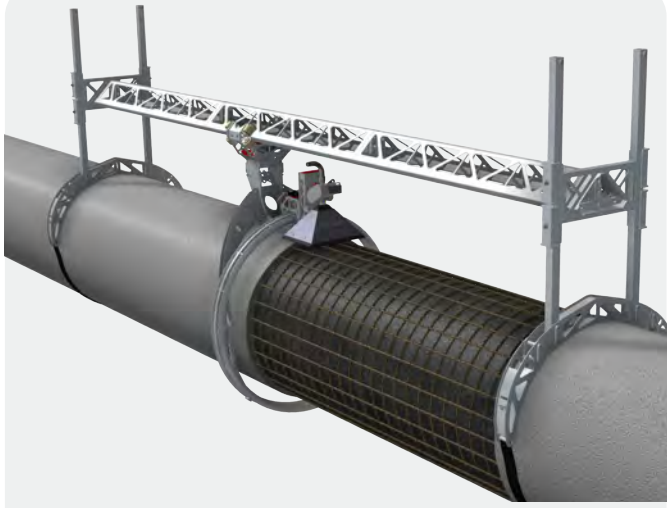
Included in starter kit

Triple Spine rail sections	3 x 2 m (3 x 6,6 ft)
Hoist	Aqua Spine
Power head	Circular
Pillar ring	ø 1,5 m (ø 4,9 ft)
Support legs	Heavy
Pillar clamps	Manual
End support	Heavy extreme

Additional options

Compatible power units	Aqua Cutter 450/750 3.0 Ergo Controller
Compatible Power heads	Circular Power head
Spine rail sections	0,25/0,5/1,0/2,0 m (0,8/1,6/3,3/6,6 ft)
Pillar rings / Working diameter	ø1,0 m (3,3 ft) / ø0,1-0,7 m (0,3-2,3 ft) ø2,0 m (6,6 ft) / ø1,1-1,7 m (3,6-5,6 ft)
Pillar clamps	Hydraulic / ø 0,7-1,7 m (2,3-5,6 ft)
Support system	Multiple options

All Aqua Rail starter kits can be adapted to different requirements.



The Aqua Spine Pillar kit is ideal for hydrodemolition on the exterior surfaces of pillars and pipes.

Compatible with



ERGO CONTROLLER



AQUA CUTTER 450/750



POWER HEAD CIRCULAR



AQUA RAIL SYSTEM 3.0

Flexible, lightweight, and built for circular and curved surfaces.

ERGO SPINE PILLAR

Starter kit Aqua Rail System 3.0

The Ergo Spine Pillar 3.0 is a lightweight, flexible system for hydrodemolition on pillars and curved outer surfaces. Built with the Aqua Spine rail, Circular Roller beam, Ergo Power Head, and Circular Support System, it handles reaction forces up to 1000 N. Supporting working diameters from 0,4 m to 8,0 m with adjustable sector angles, it offers precise, adaptable removal for shallower cuts and a wide range of demolition radii.



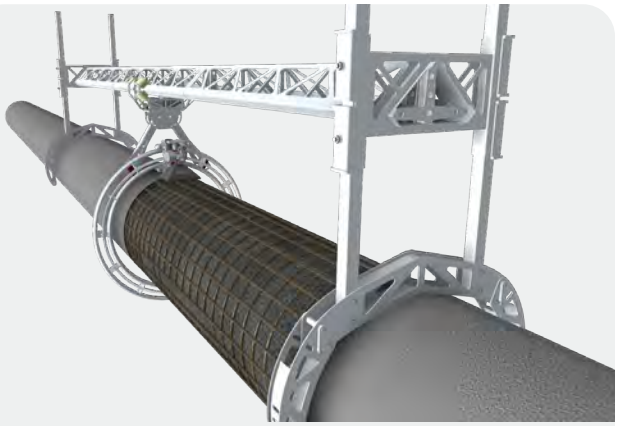
Key features

- **Adapted to circular** and curved outer surfaces.
- **Configurable Circular Roller beam** diameters from ø0,4 – 8,0 m, with the option to operate as a halfring or a full circle.
- **Adjustable sector angles** for precise control.
- **Handles reaction forces** up to 1000 N.
- **Robust design** with Support system Circular that attaches directly to the surface by pillar clamps.
- **Built around the Aqua Spine rail,** Circular roller beam, and Ergo Power Head.
- **Ideal for shallow removal** and industrial cleaning.
- **Adaptable to a wide range** of configurations via the Aqua Rail system.

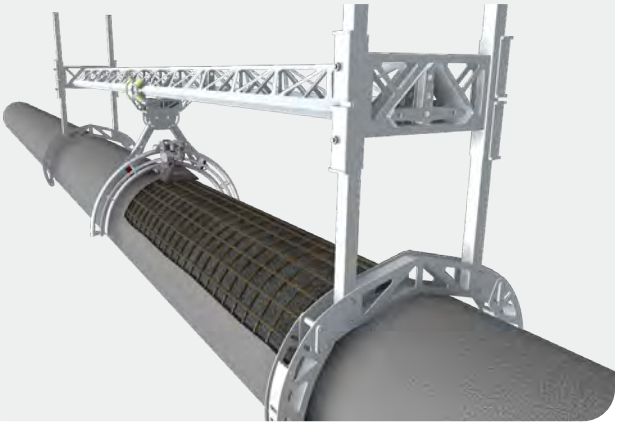




3000 BAR (43 500 psi)	1000 N (225 lbf)	6 M (19,7 ft)	ROLLER BEAM CIRCULAR	
AQUA SPINE 3.0	POWER HEAD ERGO	SUPPORT CIRCULAR	SPINE HOIST	NOZZLE



Versatile by design — the Ergo Spine Pillar kit lets you use the Circular Roller Beam as a half ring or full circle, perfectly suited for curved or circular surfaces in both vertical and horizontal applications.



Size/Range	
Length	6 m (19,7 ft)
Min. concrete radius (configurable)	0,2 m (0,6 ft)
Max. beam arc length (configurable)	4 m (13 ft)
Pillar clamps	0,35-1,5 m (1,1-4,9 ft)
Lance angle	±45°

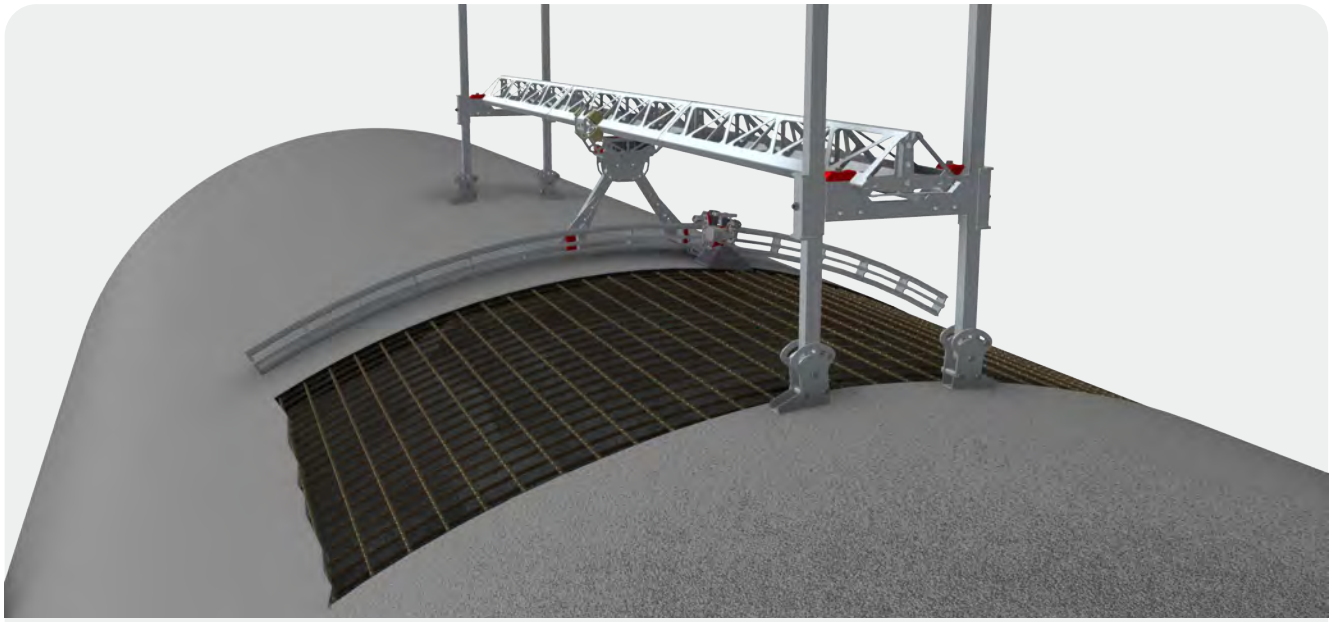
Weight	
Total weight	363–479 kg (800-1056 lb)

Operation	
Max reaction force	1000 N (225 lbf)

Included in starter kit	
Triple Spine rail sections	3 x 2 m (3 x 6,6 ft)
Hoist	Aqua Spine
Power head	Ergo
Circular Roller beam	configurable size
Brackets Pillar setup	Based on Circular Roller beam size
Support legs	Heavy
Pillar clamps	Manual
End support	Heavy extreme

Additional options	
Compatible power units	Aqua Cutter 450/750 3.0 Ergo Controller
Compatible Power heads	Power head Ergo, Rotolance Ergo
Spine rail sections	0,25/0,5/1,0/2,0 m (0,8/1,6/3,3/6,6 ft)
Circular Roller beam (config.)	ø0,4-8,0 m (ø1,3-26,2 ft)
Brackets Pillar setup	Based on Circular Roller beam size
Pillar clamps	Hydraulic / ø 0,7-1,7 m (2,3-5,6 ft)
Support system	Multiple options

All Aqua Rail starter kits can be adapted to different requirements.



With a configurable Circular Roller beam that offers a work diameter of up to 8 meters, this setup adapts to a wide range of applications — from shallow cuts to surface preparation.

Compatible with



ERGO CONTROLLER



AQUA CUTTER 450/750



POWER HEAD ERGO



ROTOLANCE ERGO



AQUA RAIL SYSTEM 3.0

High-performance removal on tunnels and inner curved surfaces.

AQUA SPINE TUNNEL

Starter kit Aqua Rail System 3.0

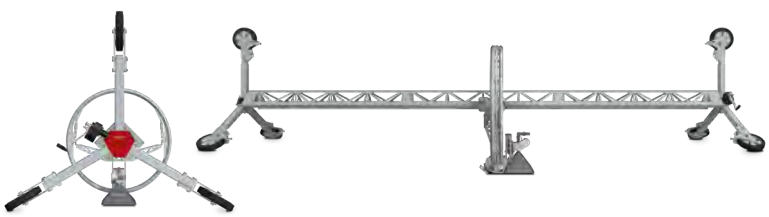
The Aqua Spine Tunnel 3.0 is a system for hydrodemolition in tunnels and on inner circular or curved surfaces. Built around the Aqua Spine rail with a Tunnel Ring and Circular Power Head, it delivers precise, high-performance removal. The Circular Support System handles reaction forces up to 2000 N, making it ideal for fast removal of large areas and volumes. Available in three ring sizes, it covers diameters from 1,5 m to 3,0 m for versatile project use.



Key features

- **Adapted to circular** and curved inner surfaces, such as pipes or tunnels.
- **Fast removal rate** of large areas and volumes.
- **Handles reaction forces** up to 2000 N.
- **Robust design** with Support system Circular, including wheeled legs for easy movement along the surface.
- **Built around the Aqua Spine rail,** Tunnel Ring, and Circular Power Head.
- **Available in three ring sizes** covering diameters from 1,5 m to 3,0 m.
- **Adaptable to a wide range** of configurations via the Aqua Rail system.



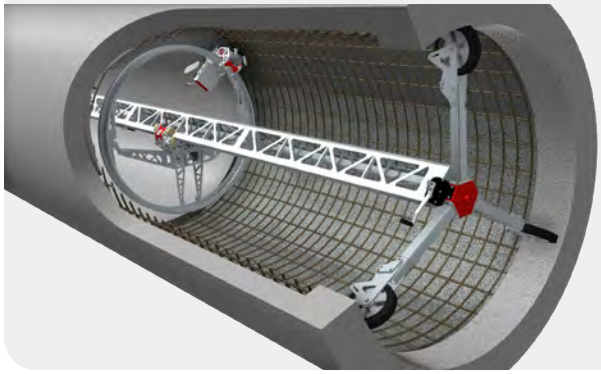


3000 BAR (43 500 psi)	2000 N (450 lbf)	6 M (19,7 ft)	TUNNEL RING ø1,5 M (ø4,9 ft)

AQUA SPINE 3.0	POWER HEAD CIRCULAR	SUPPORT CIRCULAR	SPINE HOIST	NOZZLE



The Aqua Spine Tunnel kit is designed to move seamlessly along circular surfaces, supported by adjustable wheels.



Size/Range	
Length	6 m (19,7 ft)
Working diameter ring ø1,5 m (ø4,9 ft)	ø1,9-2,5 m (ø6,2-8,2 ft)
Lance angle	±25°
Lance adjustment (in/out)	300 mm (11,8 in)

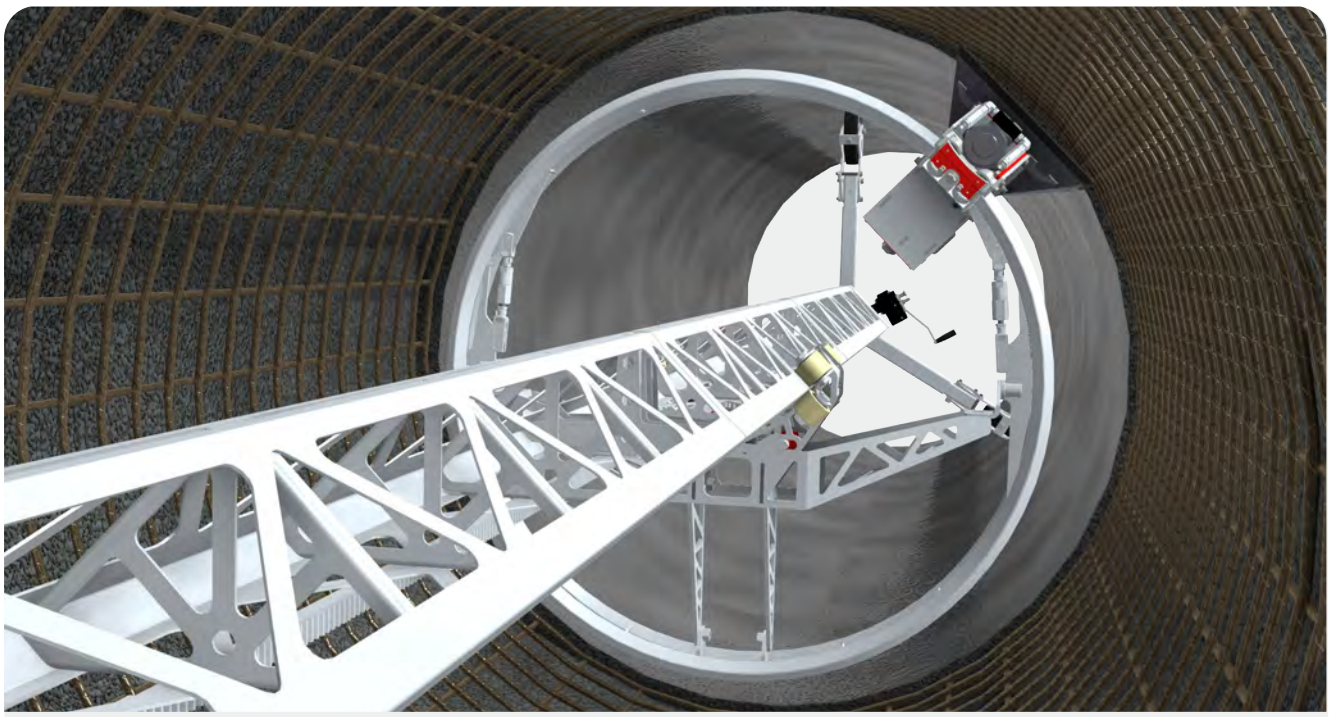
Weight	
Total weight	485 kg (1070 lb)

Operation	
Max reaction force	2000 N (450 lbf)

Included in starter kit	
Triple Spine rail sections	3 x 2 m (3 x 6,6 ft)
Hoist	Aqua Spine
Power head	Circular
Tunnel ring	ø 1,5 m (ø 4,9 ft)
Support legs	Centralizer
Support wheels	750
End support	Tunnel

Additional options	
Spine rail sections	0,25/0,5/1,0/2,0 m (0,8/1,6/3,3/6,6 ft)
Tunnel ring / Working diameter	ø1,0 m (3,3 ft) / ø 1,5-2,0 m (4,9-6,5 ft) ø2,0 m (6,6 ft) / ø 2,4-3,0 m (7,9-9,8 ft)
Support system	Multiple options

All Aqua Rail starter kits can be adapted to different requirements.



The Circular Power Head moves in a circular path along the tunnel ring, making it ideal for circular surfaces — both vertical and horizontal — and perfect for applications such as pipes and tunnels.

Compatible with



ERGO CONTROLLER



AQUA CUTTER 450/750



POWER HEAD CIRCULAR



AQUA RAIL SYSTEM 3.0

Lightweight, adaptable system for tunnels and curved inner surfces.

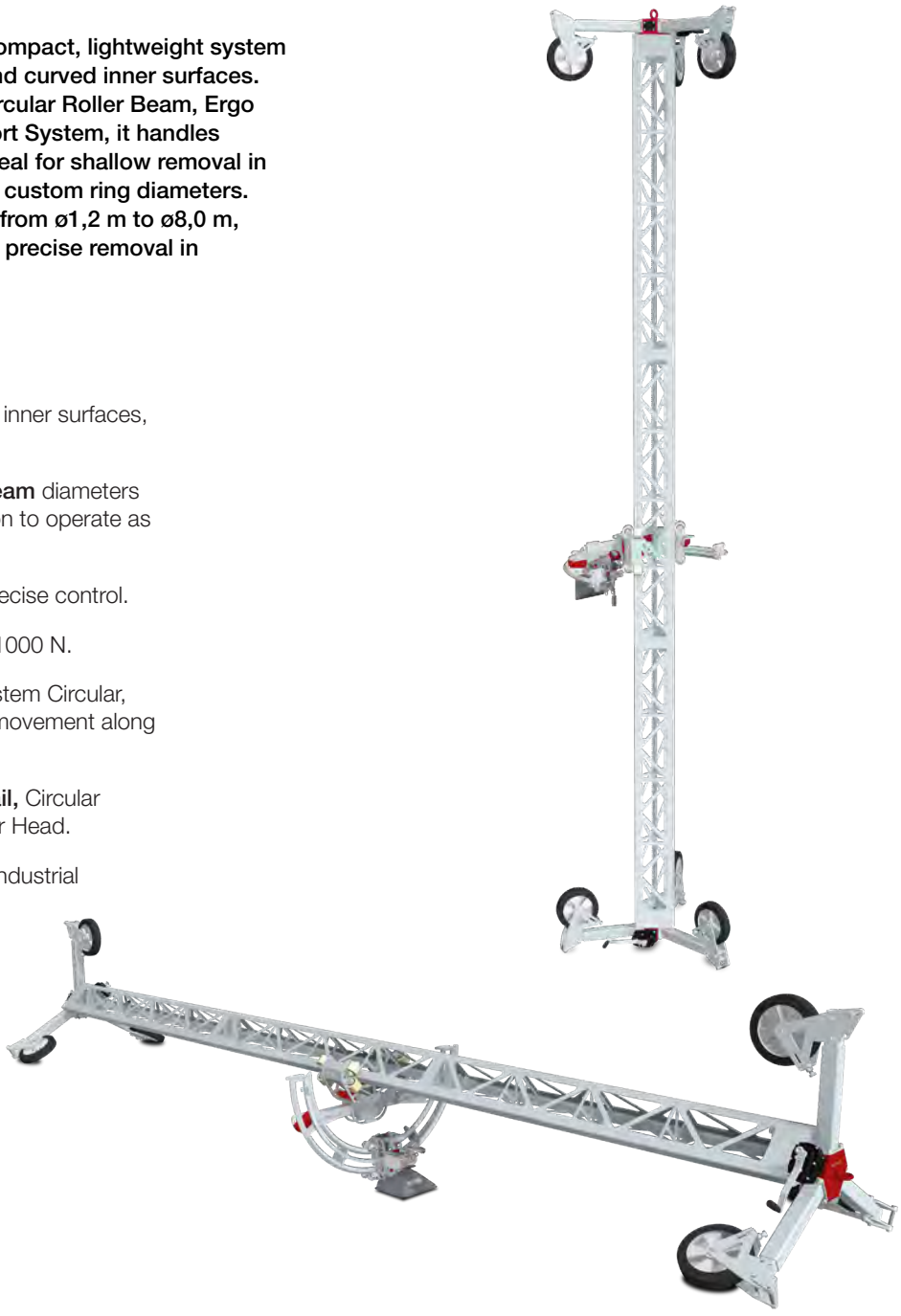
ERGO SPINE TUNNEL

Starter kit Aqua Rail System 3.0

The Ergo Spine Tunnel 3.0 is a compact, lightweight system for hydrodemolition in tunnels and curved inner surfaces. Built with the Aqua Spine rail, Circular Roller Beam, Ergo Power Head, and Circular Support System, it handles reaction forces up to 1000 N—ideal for shallow removal in tunnels and for projects needing custom ring diameters. Adjustable ring diameters range from ø1,2 m to ø8,0 m, with selectable sector angles for precise removal in confined or curved spaces.

Key features

- **Adapted to circular** and curved inner surfaces, such as pipes or tunnels.
- **Configurable Circular Roller beam** diameters from ø1,2 – 8,0 m, with the option to operate as a halfring or a full circle.
- **Adjustable sector angles** for precise control.
- **Handles reaction forces** up to 1000 N.
- **Robust design** with Support system Circular, including wheeled legs for easy movement along the surface.
- **Built around the Aqua Spine rail,** Circular Roller beam, and the Ergo Power Head.
- **Ideal for shallow removal** and industrial cleaning.
- **Adaptable to a wide range** of configurations via the Aqua Rail system.







3000 BAR (43 500 psi)	1000 N (225 lbf)	6 M (19,7 ft)	ROLLER BEAM CIRCULAR

AQUA SPINE 3.0	POWER HEAD ERGO	SUPPORT CIRCULAR	SPINE HOIST	NOZZLE

Size/Range	
Length	6 m (19,7 ft)
Min. concrete radius (configurable)	0,6 m (1,9 ft)
Max. beam arc length (configurable)	4 m (13 ft)
Lance angle	±45°

Weight	
Total weight	363–471 kg (800-1038 lb)

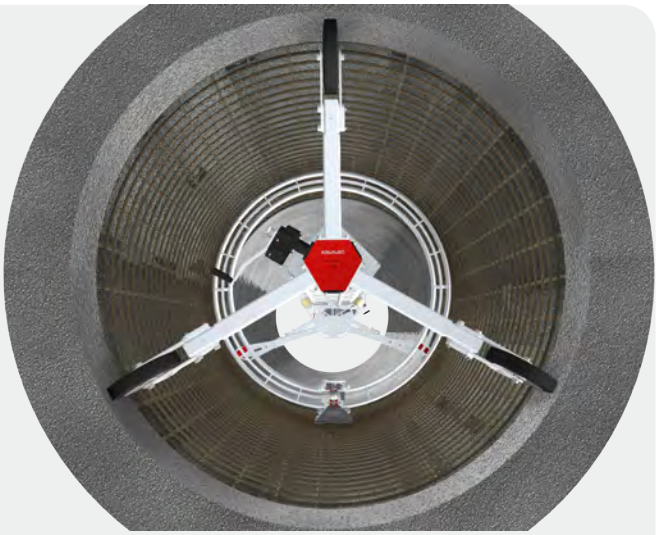
Operation	
Max reaction force	1000 N (225 lbf)

Included in starter kit	
Triple Spine rail sections	3 x 2 m (3 x 6,6 ft)
Hoist	Aqua Spine
Power head	Ergo
Circular Roller beam	configurable size
Brackets Tunnel setup	Based on Circular Roller beam size
Support legs	Centralizer
Support wheels	750
End support	Tunnel

Additional options	
Spine rail sections	0,25/0,5/1,0/2,0 m (0,8/1,6/3,3/6,6 ft)
Circular Roller beam (config.)	ø1,2-8,0 m (ø3,9-26,2 ft)
Brackets Tunnel setup	Based on Circular Roller beam size
Support system	Multiple options

All Aqua Rail starter kits can be adapted to different requirements.





The Ergo Power Head travels along the Circular Roller Beam, which can be configured as either a half or full circle depending on project needs. With adjustable support wheels, the Aqua Spine Tunnel kit moves smoothly along the surface. This setup is ideal for vertical or horizontal applications on circular or curved inner surfaces, and perfect for shallow removal in structures such as pipes and tunnels.

Compatible with



ERGO CONTROLLER



AQUA CUTTER 450/750



POWER HEAD ERGO



ROTOLANCE ERGO



AQUA RAIL SYSTEM 3.0


AQUAJET
REVOJET 270



HYDRODEMOLITION PUMPS

Aquajet's high-pressure pumps are purpose-built for hydrodemolition, providing the pressure and flow needed for projects of any scale. Designed to maximize performance, minimize downtime, and extend equipment life, they deliver reliable power for everything from heavy-duty concrete removal to precise surface preparation. With a range of models and capacities available, there's a pump to suit every project requirement. All pumps feature the Revo Control System and integrate seamlessly with Aquajet's equipment, ensuring consistent, efficient operation.





Quiet operation and powerful performance in one package.

ECOSILENCE 3.0

High-pressure pump unit

The Ecosilence 3.0 is a high-performance hydrodemolition and industrial cleaning pump, delivering up to 3,000 bar (40,000 PSI) with reliability in harsh conditions. Available in three versions — 270, 400, and 700 — it covers a wide range of pressure and flow requirements. The PRO version features an advanced exhaust silencer for ultra-quiet operation, ideal for urban projects. With enhanced fuel efficiency, low emissions, and robust construction, the Ecosilence 3.0 combines powerful performance with environmental responsibility.



Key features

- **High pressure capability:** up to 3,000 bar (40,000 PSI).
- **Multiple configurations:** available in 270, 400, and 700 hp versions as standard.
- **Ultra-quiet PRO version:** equipped with an advanced exhaust silencer, ideal for urban applications.
- **Engine options:** available with Volvo or CAT engines, all compliant with Stage 5 emission standards.
- **Automatic Start/Stop:** reduces idling and service intervals, enhancing safety and efficiency.
- **Revo control system 3.0:** user-friendly interface, real-time data and service tracking.
- **Remote operation:** control up to 300 m with Revo Remote and seamless integration between robot and pump with Connected controls.
- **Smart design:** Skid-mounted engine and pump housed in a standard 20-foot container, space for an Aqua Cutter robot, and easy maintenance access.

SCAN ME

Silence speaks —scan to listen!

Hear the dramatic noise reduction when the door closes.





DIESEL

6 M (20 ft)

≤ 3000 BAR (≤ 43500 psi)

≥ 63 DB

REVO 3.0

CONNECTED CONTROLS

AUTO START/STOP

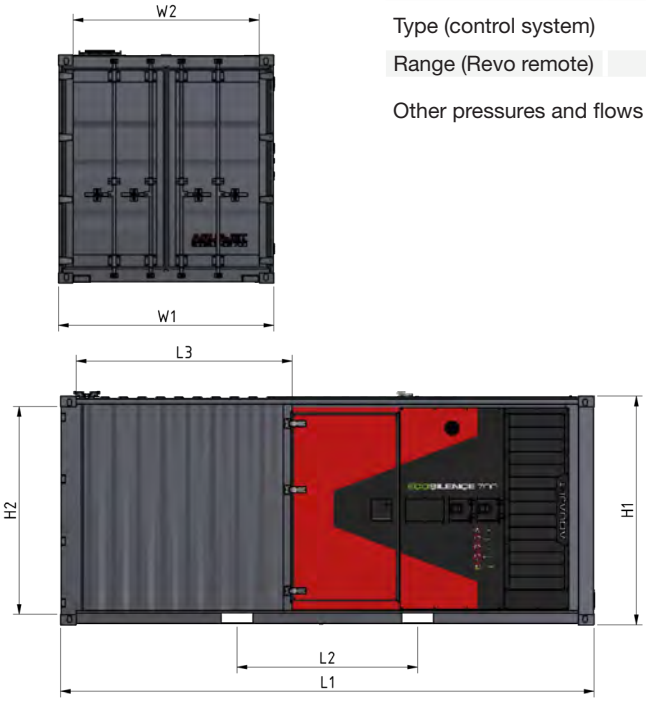
REVO REMOTE

RADIO REMOTE

ADAPTABLE HOSE CONNECTIONS

Size/Range	Ecosilence 270	Ecosilence 400	Ecosilence 700
Length (L1)	6,058 m (ISO 20 ft)	6,058 m (ISO 20 ft)	6,058 m (ISO 20 ft)
Cargo length 20' (L3)	2,6 m (8,5 ft)	2,6 m (8,5 ft)	2,6 m (8,5 ft)
Width (W1)	2,438 m (ISO 8 ft)	2,438 m (ISO 8 ft)	2,438 m (ISO 8 ft)
Inner width (W2)	2,2 m (7,2 ft)	2,2 m (7,2 ft)	2,2 m (7,2 ft)
Height (H1)	2,591 m (ISO 8,5 ft)	2,591 m (ISO 8,5 ft)	2,591 m (ISO 8,5 ft)
Inner height (H2)	2,4 m (7,8 ft)	2,4 m (7,8 ft)	2,4 m (7,8 ft)
Diesel tank volume	520 l (140 US Gal)	950 l (250 US Gal)	980 l (259 US Gal)
Weight			
Approx. weight	9000 kg (19850 lb)	10500 kg (23100 lb)	12000 kg (26500 lb)
Operation			
Pressure / Flow (standard)	2800 bar (40610 Psi) @ 40 l/min (9 US gpm)	1240 bar (17985 Psi) @ 146 l/min (38 US gpm) 1780 bar (25817 Psi) @ 103 l/min (27 US gpm) 2800 bar (40610 Psi) @ 65 l/min (17 US gpm)	1290 Bar (18710 Psi) @ 212 l/min (56 US gpm) 1600 Bar (23206 Psi) @ 166 l/min (44 US gpm) 2200 Bar (31908 Psi) @ 122 l/min (32 US gpm)
Engine	Volvo Penta 235 kW / 1800 rpm	Volvo Penta 405 kW / 1800 rpm	CAT 563 kW / 1800 rpm
Emission class	EU Stage V/ EPA Tier 4	EU Stage V/ EPA Tier 4	EU Stage V/ EPA Tier 4
Pump	Hammelmann 200 kW / 1800 rpm	Hammelmann 340 kW / 1800 rpm	Hammelmann 500 kW / 1800 rpm
Control system			
Control System	Revo 3.0	Revo 3.0	Revo 3.0
Type (control system)	Radio control, Remote control	Radio control, Remote control	Radio control, Remote control
Range (Revo remote)	Up to 400 m	Up to 400 m	Up to 400 m

Other pressures and flows are available upon request.





Stay in control from a distance with the Revo remote control, and securely store your Aqua Cutter in the Ecosilence. Designed to fit your robot, it offers ample space for maintenance and service, along with customizable options like a workstation, partition wall, and tool hooks for efficient organization.

Options

- DIESEL HEATER
- HOOK FRAME
- IMPACT PROTECTION
- FROST PROTECTION
- WORK BENCH AND TOOLS
- DRIVING RAMPS
- TWIN ADAPTER
- REVO REMOTE LOGIC
- PRO EXHAUST SILENCER
- ELECTRIC KIT EU STANDARD
- EXTERNAL TANK MODULE
- PARTITION WALL
- EXTENSION CABLES
- WATER FILTER KITS
- FLOW CONTROL VALVES
- SERVICE CRANE PUMP HEAD
- Y-BLOCK DOUBLE HOSES
- AIR WINGS KIT
- EMERGENCY STOP CONTROL
- EX CLASSIFIED SOLUTIONS
- DUMP GUN KIT
- CONDUCTIVITY DOSING SYSTEM
- RANGE EXTENDER

Small but powerful performance in one package.

POWER PACK 270

High-pressure pump unit

The Aqua Power Pack 270 is a compact yet powerful high-pressure unit, ideal for versatile Hydrodemolition projects. Perfectly paired with the Ergo or Aqua Cutter 400 series, its small footprint makes it a great fit for confined work sites. Housed in a durable 10 ft metal container, it not only protects the skid-mounted pump and engine but also offers secure storage for hoses and tools. Lock it up at the end of the day to keep everything safe and ready for the next job.



Key features

- **High pressure capability:** up to 2800 bar (40 610 psi).
- **Skid-mounted** pump and engine solution.
- **Smart and compact design:** Skid-mounted pump and engine housed in a 10 ft container with easy access and secure storage.
- **Built-in** diesel tank.
- **Revo control system 2.0:** user-friendly interface and real-time data.
- **Remote operation:** control up to 300 m with Revo Remote and seamless integration between robot and pump with Connected controls.
- **No external electric** supply needed.
- **Ideal with the** Aqua Cutter 400 series and the Ergo.







DIESEL

3 M (10 ft)

≤ 2800 BAR (≤ 40610 psi)

REVO 2.0

REVO REMOTE

RADIO REMOTE

CONNECTED CONTROLS

Size/Range

Length (L1)	2,991 m (ISO 10 ft)
Width (W1)	2,438 m (ISO 8 ft)
Inner width (W2)	2,336 m (7,8 ft)
Height (H1)	2,591 m (ISO 8,5 ft)
Inner height (H2)	2,275 m (7,5 ft)
Diesel tank volume	520 l (140 US Gal)

Weight

Approx. weight	3650 kg (8046 lb)

Operation

Pressure (standard)	2800 bar (40610 Psi)
Flow (standard)	40 l/min (9 US gpm)
Engine	Volvo Penta 235 kW / 1800 rpm
Emission class	EU Stage V / EPA Tier 4
Pump	Hammelmann 200 kW / 1800 rpm

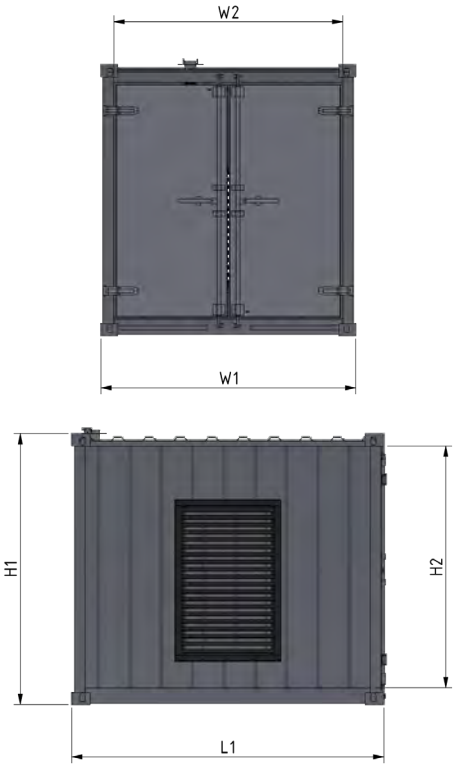
Control system

Control System	Revo 3.0
Type (control system)	Radio control, Remote control
Range (Revo remote)	Up to 400 m

Other pressures and flows are available upon request.



Inside the Power Pack 270, you'll find ample space for easy movement, making maintenance and storage hassle-free. Simply lock it up, and everything stays secure until work resumes.



Options

EMERGENCY STOP CONTROL
FROST PROTECTION
WATER FILTER KITS
Y-BLOCK DOUBLE HOSES
TWIN ADAPTER
RANGE EXTENDER
AIR WINGS KIT
EX CLASSIFIED SOLUTIONS
CONDUCTIVITY DOSING SYSTEM
SERVICE CRANE PUMP HEAD
EXTENSION CABLES
FLOW CONTROL VALVES

Versatile skid-mounted pump for flexible installation.

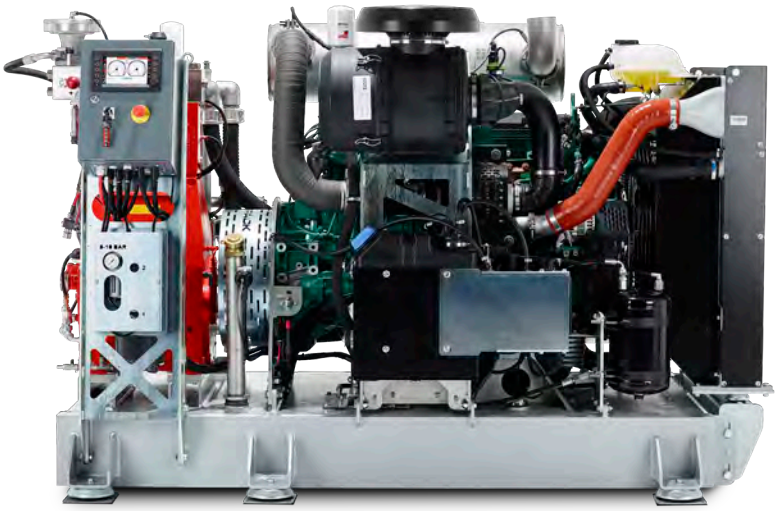
AQUA SKID 270

High-pressure pump unit

The Aqua Skid 270 is a versatile skid-mounted pump and engine designed for easy installation in trucks, trailers, or directly on-site. This high-pressure unit delivers the same performance and essential functions as our other high-pressure pump models, but offers the added benefit of being suitable for use in areas where enclosure isn't required or feasible. It's convenient and accessible regardless of your needs.

Key features

- **High pressure capability:** up to 2800 bar (40 610 psi).
- **Skid-mounted** pump and engine solution.
- **Easily installed on** trucks, trailers, or as a standalone unit, making it ideal for confined spaces.
- **Built-in** diesel tank.
- **Revo control system 2.0:** user-friendly interface and real-time data.
- **Remote operation:** control up to 300 m with Revo Remote and seamless integration between robot and pump with Connected controls.
- **No external electric** supply needed.
- **Ideal with the** Aqua Cutter 400 series and the Ergo.
- **Easy access** and maintenance.



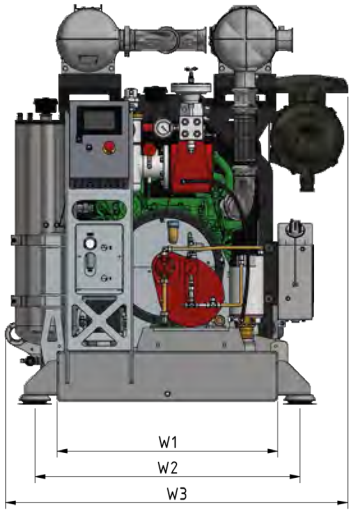


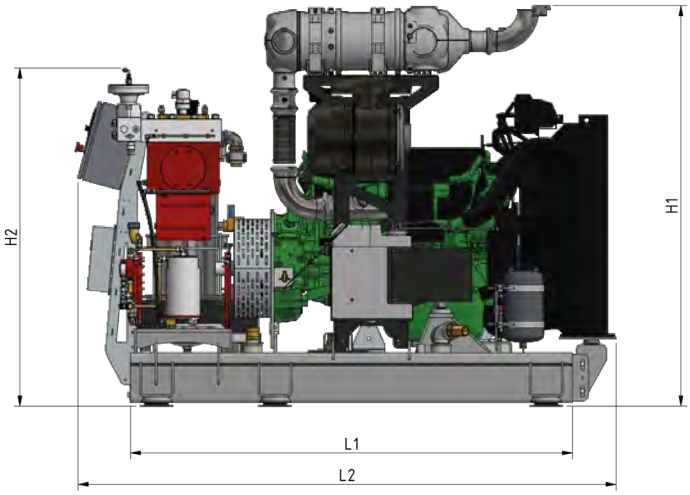
DIESEL

2,2 M
(7,2 ft)

≤ 2800 BAR
(≤ 40610 psi)

REVO 2.0







The ideal high-pressure pump for installation in your truck, trailer, or local container. Also suitable for projects where an enclosure isn't necessary or possible.

Size/Range

Frame length (L1)	2,2 m (7,2 ft)
Total length (L2)	2,524 m (8,280 ft)
Frame width (W1)	1,1 m (3,6 ft)
Mounting width (W2)	1,294 m (4,245 ft)
Total width (W3	1,814 m (5,951 ft)
Height (H1)	1,627 m (5,338 ft)
Height (H2)	1,668 m (5,472 ft)
Diesel tank volume	520 l (140 US Gal)

Weight

Approx. weight	2300 kg (5070 lb)

Operation

Pressure (standard)	2800 bar (40610 Psi)
Flow (standard)	40 l/min (9 US gpm)
Engine	Volvo Penta 235 kW / 1800 rpm
Emission class	EU Stage V / EPA Tier 4
Pump	Hammelmann 200 kW / 1800 rpm

Control system

Control System	Revo 2.0

Other pressures and flows are available upon request.

Options

EMERGENCY STOP CONTROL
FROST PROTECTION
WATER FILTER KITS
Y-BLOCK DOUBLE HOSES
TWIN ADAPTER
FLOW CONTROL VALVES
EXTENSION CABLES
CONDUCTIVITY DOSING SYSTEM
SERVICE CRANE PUMP HEAD
RANGE EXTENDER

Mobile trailer unit with powerful high-pressure capcity.

REVOJET 270

High-pressure pump unit

The Revojet is highly mobile and takes up less space than other high-pressure pumps, excelling in smaller-scale Hydrodemolition projects. It's designed to pair with Aquajet's most compact Hydrodemolition robots — the Aqua Cutter 400 series and the Ergo system — for applications such as small parking garage renovation and industrial cleaning.

Key features

- **High pressure capability:** with up to 2800 bar (40 610 psi).
- **Mobility:** Lightweight and towable by a pickup truck or SUV.
- **Power and flexibility:** Two Revojets can be operated in parallel to increase the horsepower from 270 to 540 hp (400 kW).
- **Revo control system 3.0** with user-friendly interface and real-time data.
- **Remote operation:** control up to 300 m with Revo Remote and seamless integration between robot and pump with Connected controls.
- **No external electric** supply needed.
- **Ideal with the** Aqua Cutter 400 series and the Ergo.
- **Easy access** and maintenance, with large access hatches for checking fluids or changing filters, reducing downtime.







DIESEL

2,2 M (7,2 ft)

≤ 2800 BAR (≤ 40610 psi)

REVO 3.0

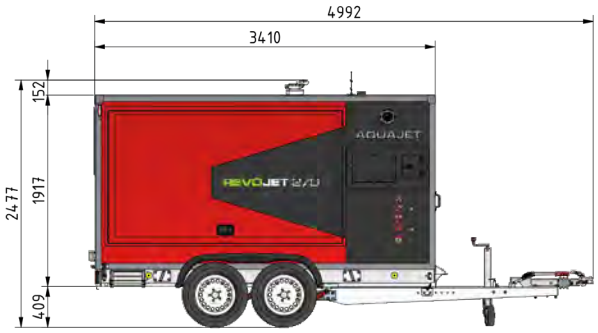
CONNECTED CONTROLS

REVO REMOTE

RADIO REMOTE

AUTO START/STOP





Size/Range

Length (L1)	4,992 m (16,3 ft)
Width (W1)	2,211 m (7,3 ft)
Height (H1)	2,477 m (8,1 ft)
Diesel tank volume	320 l (85 US Gal)

Weight

Approx. weight	3500 kg (7716 lb)

Operation

Pressure (standard)	2800 bar (40610 Psi)
Flow (standard)	40 l/min (9 US gpm)
Engine	Deutz 245 kW / 2150 rpm
Emission class	EU Stage V / EPA Tier 4
Pump	Hammelmann 200 kW / 2150 rpm

Control system

Control System	Revo 3.0
Type (control system)	Radio control, Remote control
Range (Revo remote)	Up to 400 m



Opens with a foldable hatch for easy maintenance.



The Revo remote control is accessed behind a hatch and easy to bring with you.



Highly mobile and compact.

Options

EMERGENCY STOP CONTROL
CONDUCTIVITY DOSING SYSTEM
Y-BLOCK DOUBLE HOSES
TWIN ADAPTER
EXTENSION CABLES
RANGE EXTENDER
FLOW CONTROL VALVES

Customize Ecosilence for tailored performance in every project.

ECOSILENCE 3.0
BUILD YOUR OWN

The Ecosilence 3.0 is more than a high-pressure pump — it's a fully customizable system. With a wide range of accessories and options to boost performance, efficiency, and safety, it can be tailored to match the exact demands of your project.

For more information about the system and how it can be adapted to your specific project, contact Aquajet directly.

Range Extender
The standard range between the Revo Remote and the pump unit is approximately 150 m, depending on voltage drop in the control cable. The Range Extender is an external power supply for the Revo Remote. When installed, the range is no longer limited by voltage drop, but instead by the CAN bus system itself—up to 400 m. The unit is mounted on the remote cable, close to the Revo Remote.

Twin Pump Adapter
The Twin Pump Adapter allows two pump units to be operated with a single control device. This is a "non-CAN bus" unit, meaning it is not compatible with Micron radio control or CAN bus–connected receivers. However, it works seamlessly with other types of control devices, including Aquajet, Hammelmann, Woma, and Falch. Start/Stop and emergency stop signals are sent to both pumps simultaneously. For best performance, both pumps should be set to "Pressure" mode on their displays, though it is also possible to run just one pump if needed.



Y-Block
The Y-Block allows the robot to run with dual hoses by connecting two hoses into the block, which then merges them into a single hose for the final section to the robot. It is fully compatible with the Aqua Cone and all adapters in the Super Lance system, and rated for pressures up to 3,000 bar.



Air Wings Kit
The Air Wings Kit consists of two plates mounted on the rear sides of the Ecosilence, framing the air vents to prevent hot air from recirculating back into the inlet vents. This option improves cooling efficiency, particularly in tropical climates or confined spaces with limited airflow.

Exhaust silencer PRO
The Ecosilence PRO 3.0 features a specially developed exhaust silencer designed to eliminate low frequency engine sound. It is heat protected and mounted inside the container to make the operation very quiet.

Hook frame
The Roll on/off frame eliminates the need for an additional vehicle. Simply place the container on the ground for easy access. This also enables the unit to be moved with vehicles other than a crane or truck.

Impact protection
The impact protection is mounted on the Hook frame to shield air vents on the front of the container during loading and unloading. This option is only available with the Hook frame.



Lifting device for pump head

The lifting device is a small crane for lifting the pump head of the high-pressure pump for service. This device is attached to the pump with two screws and can either be removed when service is done or be stationary-mounted until next service.

Frost protection kit

As an option, you can add a frost protection kit with an anti-freeze and anti-corrosion liquid tank and electric pump. This protects and preserves the pump in low temperatures when not in operation. It also prevents corrosion and dried gaskets. The recirculating system recycles the glycol every time it's used. Better for the environment, better for you!

Work bench with tools

A built-in workbench with vice and toolboard is another available option. It includes all the most common tools needed for service, as well as storage space for spare parts.



Storage

Storage features include: 10 movable, heavy hooks for storing hoses, cables and clothing; brackets for radio control, both for Ecosilence and robot.

Extension cables

Aquajet cables are specially designed for hydrodemolition equipment and come with 7-pole, heavy-duty Aquajet connectors. This option includes a cable drum with lifting handle and brake and comes in following cable lengths: 25m, 50m, 75m, 100m. Aquajet special extension cables are also available without the cable drum in following lengths: 3m (for use between pressure control handle and an extra emergency stop box or other short distances), 10m,15m, 25m.



Driving ramps for Aqua Cutter

Aluminum ramps to load an Aqua Cutter 710 or 410 into the container. Includes fixing brackets on the back door and security straps to secure the robot to the floor brackets.

External Tank Module for Tanker truck

The Ecosilence can be equipped with an external tank module, placing the fuel and AdBlue filler caps on the outside of the unit. Protected by a lockable hatch, this option is ideal when using a tanker truck for quick and secure refueling.



External tank module - overfill indicator

The Ecosilence can be equipped with an external tank module designed for standard refueling. The fuel filler cap is mounted on the outside and protected by a lockable hatch for convenience and security. A built-in diesel overfill indicator signals when the tank is full, ensuring safe, simple, and spill-free operation.

Diesel heater

A diesel heater is available for installation inside the container. This system includes a timer and keeps the container warm without the need for an external power supply.

Water prefilter

An optional water filter at the inlet line is available to catch any particles before they enter the water tank. This also provides additional safety, since there will be two serial connected filters. This option is recommended for all UHP-pumps used with untreated water.

Dual heavy-duty water filter station

This option is recommended when using the Ecosilence 3.0 with unfiltered water that may contain larger particles, such as leaves, mud or gravel, that might damage the regular filter and pump. Dual water filters can be changed or cleaned during operation by alternating which filter is in use. This is a station that is placed outside the container.

Protective film for display

Optional protective film for the REVO display glass (151x92mm).

Revo Remote Logic

The Revo Remote Logic has built-in logics, allowing operators to connect several different high-pressure tools, including high-pressure guns, foot pedals and other pressure actuators. This makes it an ideal option for industrial cleaning contractors looking to use different tools for different worksites. The tools are connected directly to the Revo Remote Logic with a standard 7-pole connector. The Revo Remote Logic is portable up to 300 meters.

Compatible high-pressure tools are:
- All Aquajet tools, both with cable and radio controls.
- Tools from the most common manufacturers.
- Tools with 2xNO switches.

Electric kit 400/230 VAC

Optional electrical kit for European standard.
- 32A inlet and outlet outside container
- 32A inlet/outlet and 1-phase outlets inside container
- Battery charger
- 5kW electric heater



Inlet pressure reducing valve

Placed on the water inlet coupling, this optional feature reduces inlet water pressure from a maximum of 40 bar down to 4-6 bar, allowing for proper function of the inlet valve. This option is recommended for situations when the connection to the water supply exceeds maximum inlet pressure to the unit.

Check valve

An optional valve that closes the water passage from the booster pump when high-pressure water is not activated – such as while idling. With this option, no water comes out of the nozzle during idle.

Filter differential pressure monitoring

With this optional function, you get a warning if any water filter needs to be replaced.

Air kit with airgun

Optional air compressor unit, 230V, for the workbench. Only available with the Electric kit 400/230 VAC.

Partition wall with sliding doors

An optional wall with sliding doors to separate the pump and engine compartment from the workspace to isolate both sound and heat.

Spark arrestor

Optional spark extinguisher for ex-classified areas. Spark arrestor is mounted on top of the container and can be removed for transport.

Shut down valve

Shuts off the intake air when the engine is switched off in the event of flammable gases.

Extra receiver for connected controls

An extra receiver can be added to the robot's radio remote control, allowing both Ecosilence and Aqua Cutter to be connected to each other and to the operator via the radio remote control. Simple and with no need for extra cables or devices. Provides full control over both units in an easy and safe way. Through the remote control you can turn the high-pressure ON/OFF and emergency stop both units, as well as see and change the settings of pressure and engine rpm.

Kit dump valve

When flow from the high-pressure pump is too high for the tool, a dump valve can be used to route some of the high-pressure water back to the water tank.

Kit dump gun

A mechanical dump gun is available for high-pressure cleaning to dump the water at shut down. It doesn't need an electric remote cable and can be used for all brands of pump units.

Foot pedal Revo

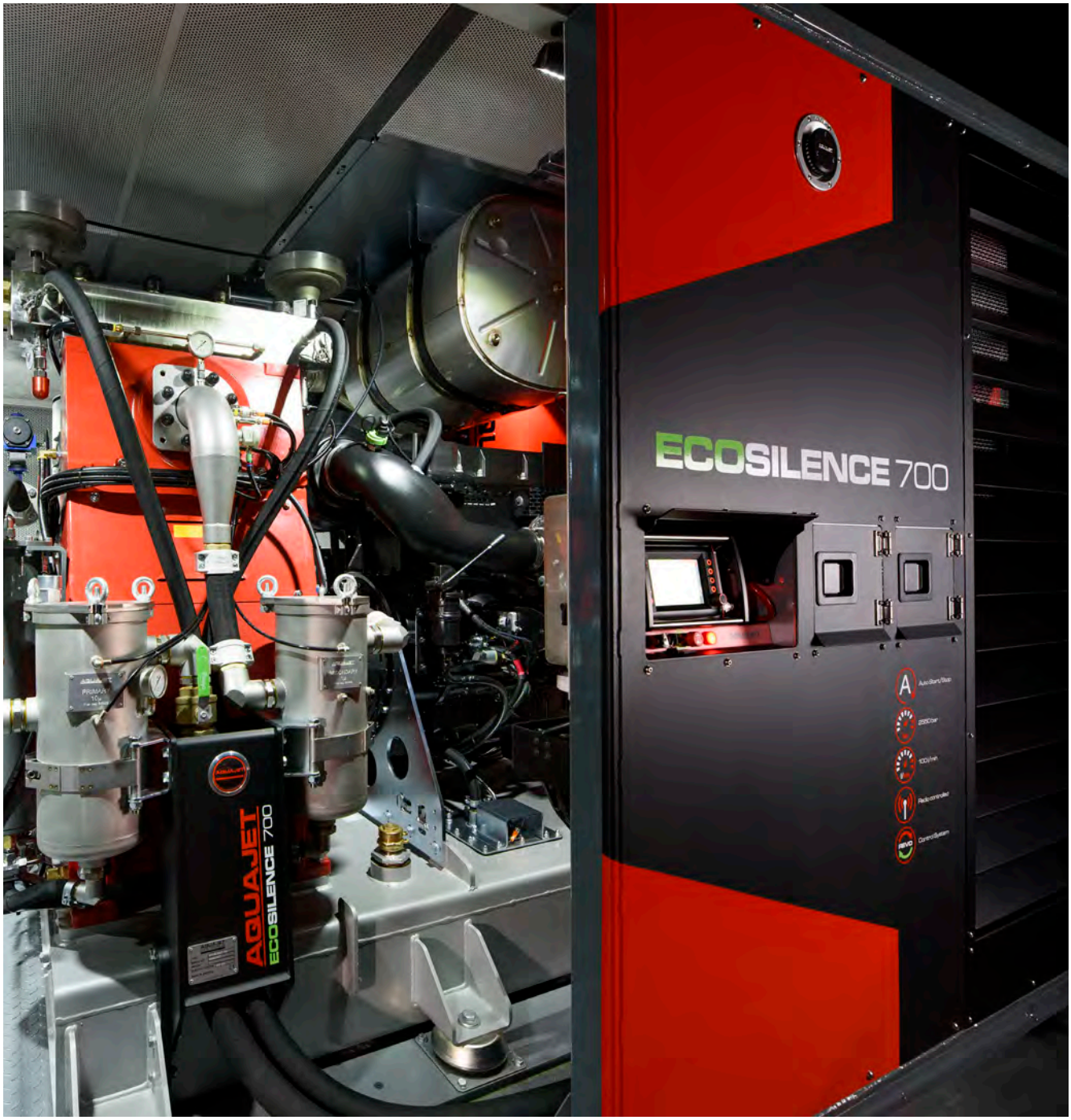
The foot pedal Revo is used when the operator needs to have both hands free. The pressure is activated when pedal is pushed and de-activated when pedal is released. It comes with an emergency stop box and includes a 10m cable. Not for robot operation.

Emergency stop box Revo

The emergency stop box Revo is used as an extra emergency stop. If needed, multiple emergency stop boxes can be placed along the remote cable. The kit includes an emergency stop and 1m cable.

Complete dosing system

A complete dosing system for measuring and correcting water conductivity is available as an option. If the water conductivity is too low (water too hard) the piston seal assembly can be destroyed. This applies to high pressure pumps with tungsten carbide plunger seal sets. The dosing system adds a sodium carbonate solution to the water to keep conductivity at a proper level.




AQUAJET
ECOCLEAR 20
20 m³/h
<20 mg/l
RECO control

WASTEWATER TREATMENT SYSTEM

Treat hydrodemolition wastewater on-site and on-demand with Ecoclear — the only fully automated, continuously monitored treatment system. It adjusts pH and removes suspended solids to ensure safe discharge back into the environment or direct recirculation to the robot, enabling efficient, pollution-free operation.



Fully automated wastewater treatment — clean water, zero pollution.

ECOCLEAR 20

Wastewater treatment system

The Ecoclear is an automated wastewater treatment system specifically designed for hydrodemolition projects to neutralize pH levels and reduce turbidity, allowing safe environmental release or reuse in a closed-loop system. This system enables treatment of wastewater in real time, while maintaining an environmentally sound job site and eliminating the need for a constant freshwater source or third-party water removal.



Key features

- **Fully automated** and environmentally friendly.
- **Real-time wastewater** treatment directly on-site.
- **Handles flow rates** up to 20 m³/h (706 ft³/h).
- **Neutralizes pH** to safe levels between 6-9 by using carbon dioxide.
- **Reduces turbidity to** 20-40 mg/l (167-334 lb/million gal) with flocculation technology.
- **Enables water recirculation** in a closed-loop system and compatible with all Aquajet products.
- **Equipped with Reco 2.1** control system for real-time data.







ELECTRIC

6 M (20 ft)

20 M³/H (706 ft³/h)

6-9 pH

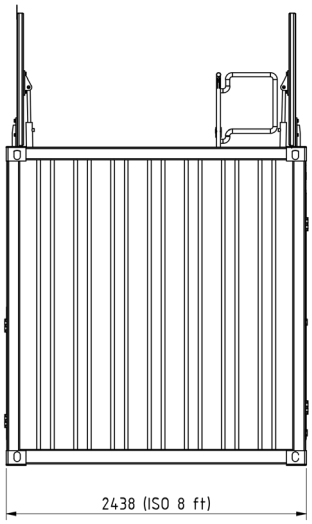
50-55 DB

RECO 2.1

ECO FRIENDLY

RE-CIRCULATION

AUTOMATED PROCESS



Size/Volumes

Length	6,058 m (ISO 20 ft)
Width	2,438 m (ISO 8 ft)
Height	2,591 m (ISO 8,5 ft)
Height with roof hatches open	3,735 m (12,25 ft)
Process tank volume	12 m³ (424 ft³)

Weight

Approx. dry weight	8900 kg (19621 lb)
Approx. gross weight	19900 kg (43871 lb)

Operation

Capacity	20 m³/h (706 ft³/h)
pH outgoing water	pH 6-9
Turbidity outgoing water	20-40 mg/l (167-334 lb/gal)
Noise level	50-55 dB
Neat coagulation fluid	10-30 g/m³ (0,01-0,03 oz/ft³)
Neat flocculation fluid	1,5-3,0 g/m³ (0,0015-0,003 oz/ft³)
Carbon dioxide CO_2	0,2-0,6 kg/m³ (0,2-0,6 oz/ft³)
Motor power	Electric, 3-phase, 15 kW, 25A

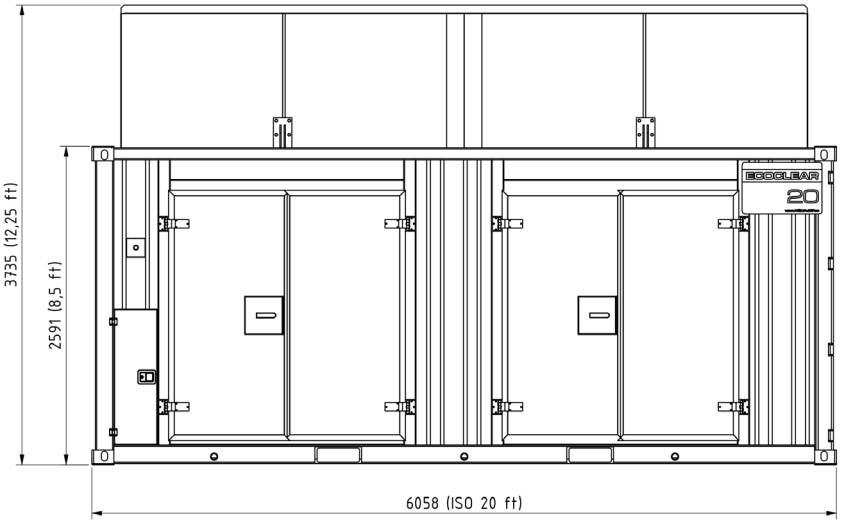
Multiple voltage and frequency options available.

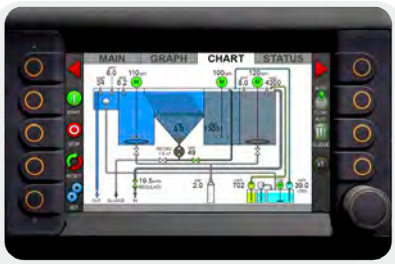
Control system

Operation voltage	24VDC / 230 VAC / 400 VAC
Sensor TSS OUT	0-500 mg/l
Sensor TSS IN	0-20000 mg/l
Sensor TSS IN (option)	0-50000 mg/l
Control System	Reco 2.1

Options

Aquajet Online	Online tracking





The RECO 2.1 control system makes it easy operate and monitor the process in real time.



Inside the Ecoclear, everything is clearly displayed, with ample room for maintenance and storage.



With the hatches open, the operator can easily monitor the process as wastewater passes through the chambers.

Compatible with


SLUDGE BASKET


ERGO


AQUA CUTTER


REVOJET


POWER PACK


ECOSILENCE


AQUA SKID

Treat, recirculate, and save — sustainable water management.

ECOCLEAR 20

AUTOMATED PROCESS

Aquajet's wastewater treatment process turns a challenge into an opportunity — automatically treating contaminated water in real time. It neutralizes pH, removes particles, and ensures compliance, producing clean water that can be safely released or reused in your hydrodemolition system.

For more information about the system and how it can add value to your specific project, contact Aquajet directly.

Key benefits



Environmentally friendly

- Uses CO_2 instead of acids, eliminating hazardous byproducts.
- Prevents water acidification and protects both operators and the environment.
- Optical turbidity sensors and pH probes continuously monitor water quality, ensuring compliance before discharge.
- Recirculates treated water back to equipment, reducing freshwater demand.



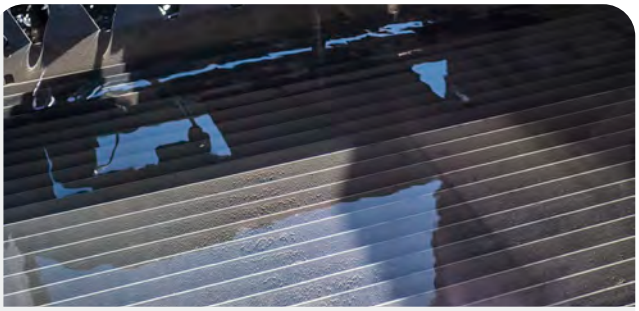
Cost-savings

- Cuts logistics costs by treating wastewater directly on-site.
- CO_2 is 4–8 times cheaper than mineral acids.
- Low-maintenance system reduces downtime and boosts productivity.



Fully automated

- Operates in real time with the Reco 2.1 control system.
- Automatic shutdown prevents non-compliant water from being discharged, recirculating it until treated
- Seamlessly integrates with all Aquajet products.

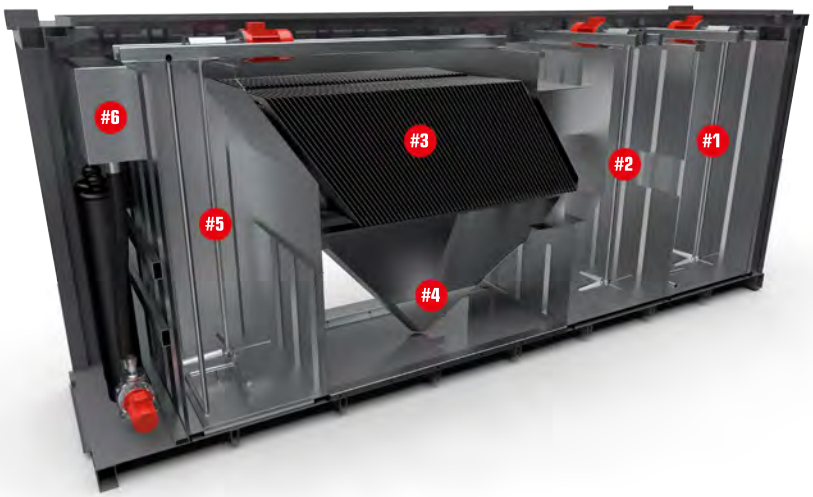


Regulation-ready

- Produces water that meets strict discharge standards, ensuring compliance.

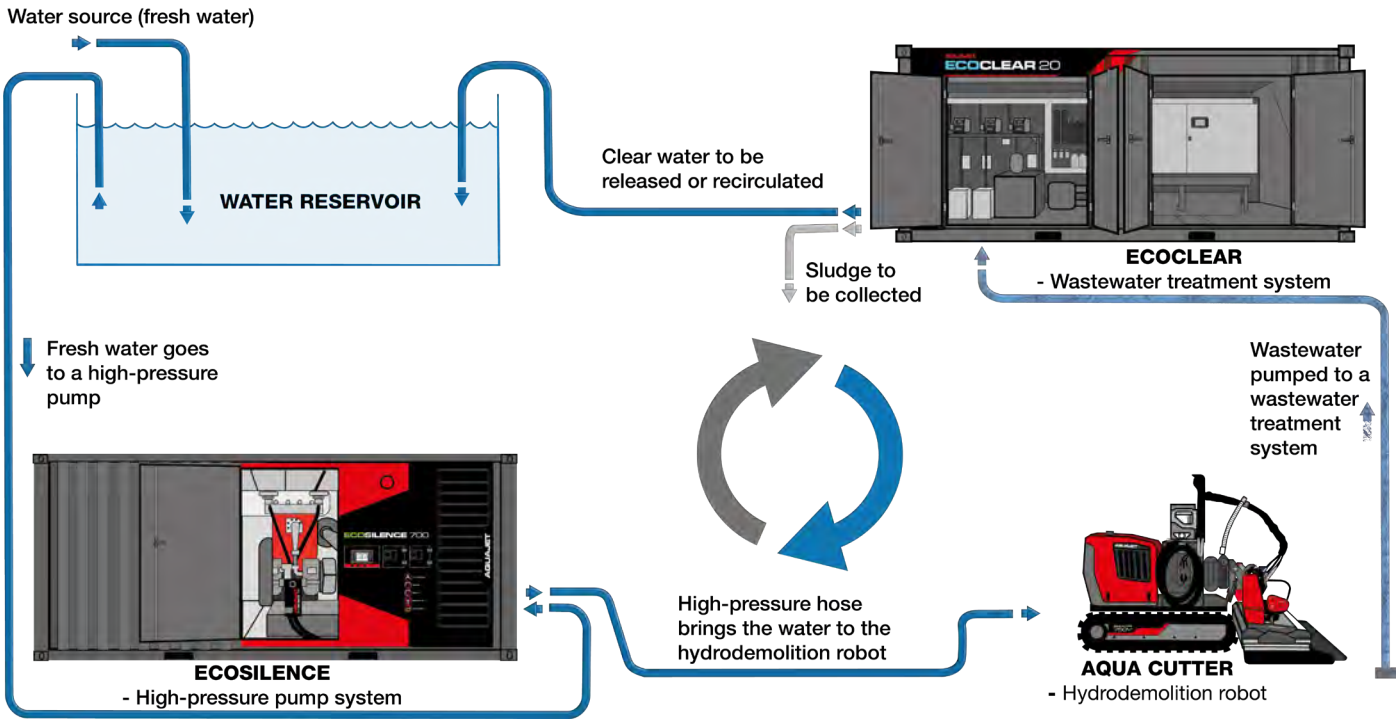
The Ecoclear process

The Ecoclear goes to work, pumping collected water into an inlet chamber (#1), where a flocculating agent is automatically added to help clump the particles in the water. The water then flows into a second chamber (#2) that introduces carbon dioxide to neutralize the pH. In the next chamber (#3), the floc, or solid particles, settles into a storage hopper (#4) and is removed by the integrated pump. The water continues to another chamber (#5) for a second pH adjustment. A final monitoring tank (#6) confirms the water pH has returned to the desired set point before it's discharged.



Recirculation of water

The hydrodemolition process starts with fresh water pumped into a tank. A drain pump in the tank transfers water to the high-pressure pump. From there, a high-pressure hose carries water to the hydrodemolition robot, that blasts away deteriorated concrete or other material. Dirty water is then collected in an embankment where another drain pump carries it to the Ecoclear. Once the water is treated and returned to a neutral pH level, it can be pumped back into the fresh-water tank, where the process starts over. Sludge from the water treatment process is pumped out and can be collected or recirculated back with the wastewater.



Your partner worldwide

Together with our extensive global network of partners, we stand as a realiable and experienced partner in the global hydrodemolition and industrial cleaning industry.

Expert service, wherever you are

Our expert technicians provide maintenance, trouble-shooting, and repairs on-site or at our service center. Spare and wear parts are easily ordered with global shipping and fast delivery.

Hydrodemolition demonstrations

Seeing is believing. We offer hydrodemolition demonstrations worldwide. Contact us if you're eager to experience the power of Aquajet technology firsthand.

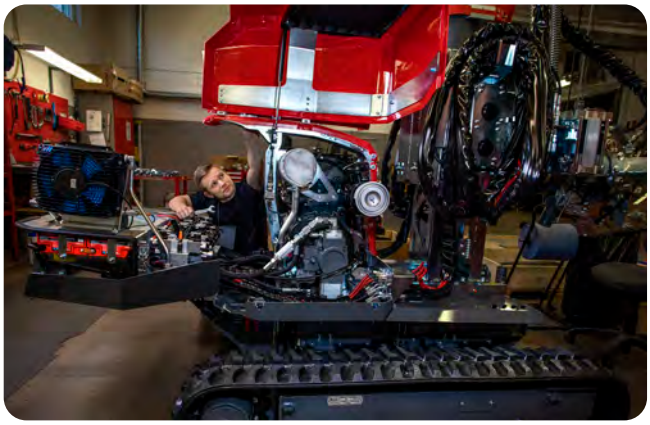
Prioritizing safety through Aquajet Academy

Safety is our top priority. Through Aquajet Academy and its training programs, we provide comprehensive education for skilled, safe operation and secure work environments.

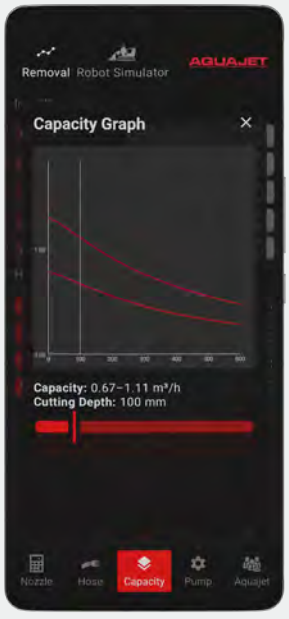
SCAN ME

For more information on our products and services, please visit our website.
www.aquajet.se









Aquajet Calculator App — Work smarter!

Simplify your work with the upgraded Aquajet Calculator app. Easily calculate nozzle sizes, pressure, and flow — now enhanced with removal capacity calculations, a robot configuration simulator, pump configurator, and more. Seamlessly switch between US and Metric units for maximum flexibility.

Access it directly on our website or download it on your phone from the App Store or Google Play.

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