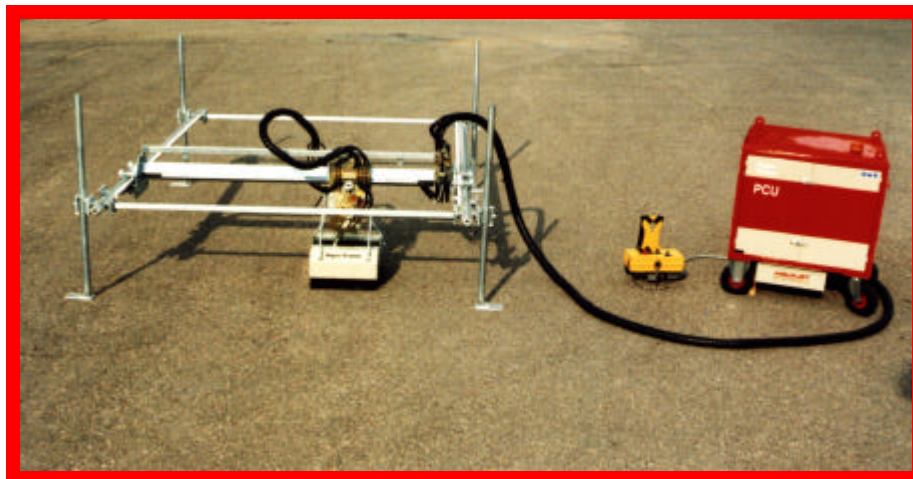


Latest State Of The Art For Hydrodemolition

AQUAFRAME

HYDRODEMOLITION

The hydrodemolition tool for areas
Inaccessible to our versatile Robots



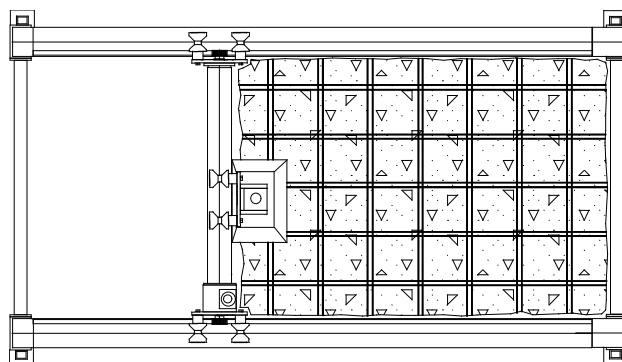
0044

MODULAR AND EXTENSIBLE

The AQUA FRAME is a Hydrodemolition machine for use on surfaces which are inaccessible for track driven AQUA CUTTER robots, such as extremely tall walls or where equipment has to be brought inside a construction via a man-hole.

Power and control functions are provided by a Power Control Unit (PCU). Power and Control functions can also be provided by any of the AQUA CUTTER ROBOTS such as the HD/HE-6000 or HVD/HVE-6000.

The AQUA FRAME can be positioned on the concrete surface by expansion anchor bolts or it may be positioned by a carrier such as hydraulic platform, sky lift or crane.



DATA

Length approx. 3,6 m (11.8 feet)
Width approx. 2,9 m (9.5 feet)
Cutting length 0 - 2,5 m (0-8.2 feet)
Cutting width 0 - 2,25 m (0-7.4 feet)
Weight approx. 400 kg (881.8 pounds)
The length and width can be custom made.

Included with the AQUA FRAME are cables and hydraulic lines allowing for remote operation of up to 7 metres (23 feet). This can be extended with an expansion kit.

FRAME

Heavy duty frame made of channel iron with rack gear on the longitudinal rails for traverse beam drive. Support legs, independent adjustable in height to keep the rails elevated from flying debris and concrete silt. Prepared attach points for suitable carrier. Galvanization steel is used for all metal part.

POWER HEAD

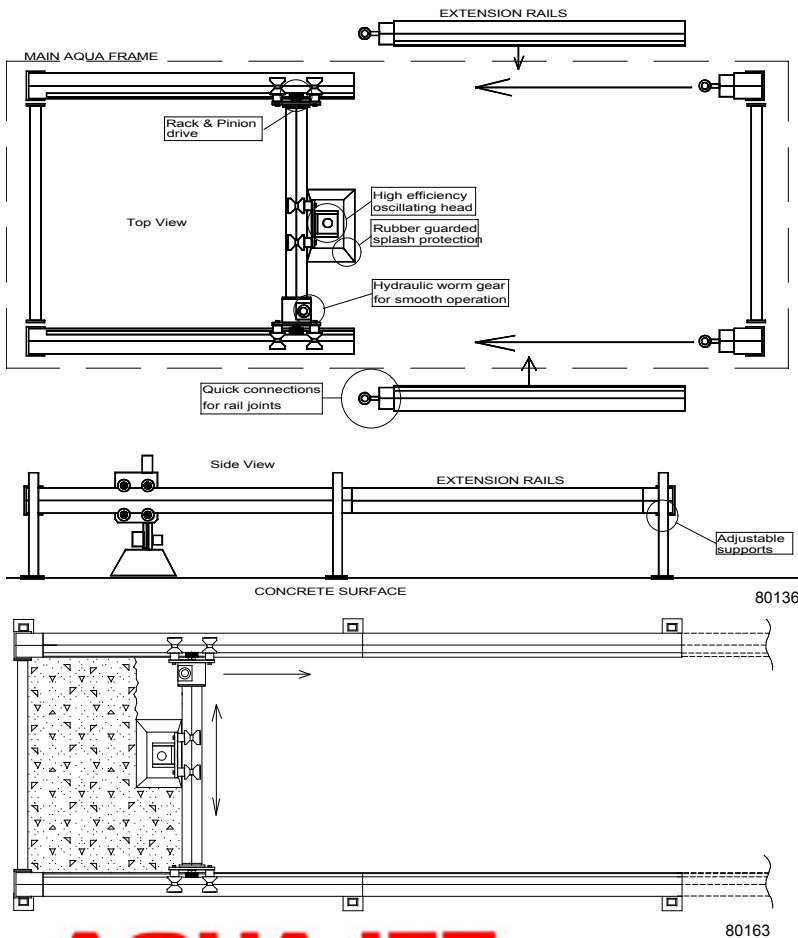
AQUA CUTTER power head is supported on the traverse beam by 4 V-shaped roller wheels, each with dual sealed ball-bearings. Driven by a hydraulic motor with pinion gear on rack. Lance oscillates in the longitudinal direction and angle of attack is hydraulically controlled working in the cross direction, all movements at the power head are advanced hydraulically to achieve the best possible result in capacity and quality of removal. All moving parts use sealed ball-bearings for increased lifespan and reduced maintenance time

TRAVERSE BEAM

Channel iron beam with rack gear for power head movement. The traverse beam is supported on the frame by 4 V-shaped roller wheels in both ends, each with dual sealed ball-bearings. Hydraulic worm gear drive, synchronised by the use of pinion gears on both rails.

CONTROL UNIT

Power Control Unit (PCU) supplies all power and control functions to the AQUA FRAME. The hydraulic system operates all mechanical functions such as lance mechanism, and power head moving traverse movement. A built in computer (PLC) controls all working parameters. Pre-set programs can be altered or gradually adjusted during operation to obtain the best possible hydrodemolition result. The PCU is available in either diesel or electric drive. Control and power functions can also be provided by any type of AQUA CUTTER ROBOT.



DATA

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Width approx. 2,9 m (9.5 feet)
Cutting length 0 - 2,5 m (0-8.2 feet)
Cutting width 0 - 2,25 m (0-7.4 feet)
Weight approx. 400 kg (881.8 pounds)

MODULAR AND EXTENSIBLE

The Aqua Frame is designed with the ability to adapt virtually all hydrodemolition assignments.

The length and width can be custom made.

Included with the AQUA FRAME are cables and hydraulic lines allowing for remote operation of up to 23 feet. This can be extended with an expansion kit.

AQUAJET
SYSTEMS AB
PROVEN HYDRODEMOLITION EQUIPMENT



Postadress/postal address
AQUAJET SYSTEMS AB
Brunnsvägen
SE-570 15 Holsbybrunn, Sweden

Telefon/Telephone
Nat 0383-50801
Int +46-383-50801

Telefax/Facsimile
Nat 0383-50730
Int +46-383-50730

VAT-ID-No
SE556314617301
Registered office
Vetlanda

E-mail
aquajet@aquajet.se
Internet
http://www.aquajet.se

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