

High pressure cleaning of tanks

Aquamat® Automatic tank cleaners

Hammelman automatic tank cleaners remove deposits including hardened materials from tank internal walls at pressures of up to 26,100 psi.

The units operate using the power of high pressure water so no other energy sources or extra cleaning materials are necessary.

The wide range of Hammelman nozzle arms with various lengths and shapes enable the Aquamat® cleaners to be used für many applications. Units can be fitted with one or two arms.



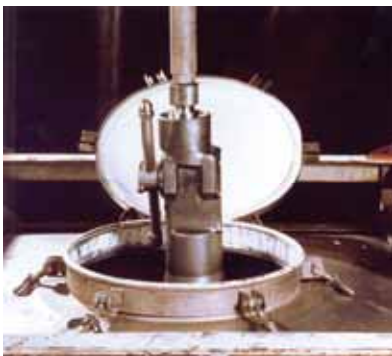
The nozzle arms rotate due to the reaction force of the water jets emitting from the nozzles mounted at each end.

This rotational motion is transferred via a built in drive and reduction gear which in turn rotates the cleaner around its vertical axis. By rotating in two axes the water jets can reach all parts of the tank interior.

Speed of rotation is controlled by an adjustable induction brake magnet.

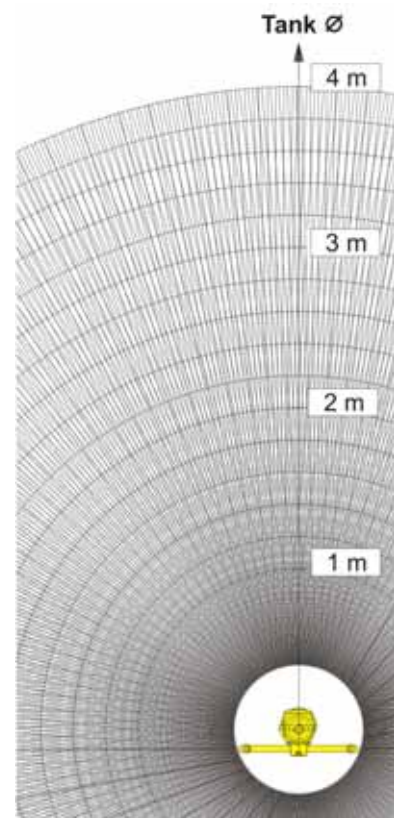
Special design features of the Aquamat® tank cleaner are:

- Optimum water flow characteristics
 - Strong cutting action
 - Highly coherent jet
 - Long jet throw
- Smooth, non wearing braking system
- Compact, corrosion resistant housing
 - Freely suspended operation possible
 - High reliability thanks to simple component parts



Applications:

- Internal cleaning of autoclaves, vessels, Euro containers, reactors, agitator vessels, holding tanks drying towers etc.
- Decontamination
- Disinfection (with chemical additives)
- Cleaning the interior of large diameter pipework with deployment sledge



Section of a single arm Aquamat® jetting pattern after 260 revolutions of the arm.

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Both the “L” and “XL” units can be outfitted with impact protection and the XL is also available with a protective cage.

Sledge assemblies will convert the “L” and “XL” to pipe cleaning units incorporating a unique “kick plate” which utilises the force of the water jet to push the unit forwards through the pipe.



Type
L 1800
0.71 inch S-arm, 2 nozzles
max. 26,100 psi / 40 gpm
Min. Tank access: 5.31 inch



Type **L 1200-2**
with sledge
for cleaning pipes with bends
0.71 inch S-arm, 2 nozzles
max. 17,500 psi / 53 gpm
Min. Pipe -Ø: 8.27 inch



Type
XL 500-2
Chemical version
1.38 inch lever arm, 2 nozzles
max. 7,250 psi / 105 gpm
Min. Tank access: 7.48 inch

Here are some examples from our wide range:



Type
L 1200-2
0.71 inch S-arm, 2 nozzles
max. 17,500 psi / 40 gpm
Min. Tank access: 5.51 inch



Type
XL 1600-2
0.51 inch V-arm, 2 nozzles
max. 23,200 psi / 66 gpm
Min. Tank access: 7.48 inch



Type
XL 1600-2
with protective
0.51 inch discarm, 2 nozzles
max. 23,200 psi / 66 gpm
Min. Tank access: 7.87 inch



Type
L 1200-2
with impact protection
2.20 inch lever arm, 2 nozzles
max. 17,500 psi / 40 gpm
Min. Tank access: 5.51 inch



Type **XL 1600-2**
with sledge for pipe cleaning
1.38 inch S-arm, 2 nozzles
max. 23,200 psi / 66 gpm
Min. Pipe -Ø: 12.6 inch



Type
XXL 1600-2
2.20 inch lever arm, 2 nozzles
max. 23,200 psi / 132 gpm
Min. Tank access: 19.69 inch