**High pressure cleaning of tanks**

**Aquamat®**

**Automatic tank cleaners**

Hammelmann 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 Hammelmann nozzle arms with various lengths and shapes enable the Aquamat® cleaners to be used for many applications. Units can be fitted with one or two arms.

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

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

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.

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

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.

Here are some examples from our wide range:

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

Type **L 1400-2**
- 0.71 inch S-arm, 2 nozzles
- max. 20,300 psi / 40 gpm
- Min. Tank access: 5.51 inch

Type **L 1400-2 with sledge**
for cleaning pipes with bends
- 0.71 inch S-arm, 2 nozzles
- max. 20,300 psi / 53 gpm
- Min. Pipe -Ø: 8.27 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 sledge for pipe cleaning**
- 1.38 inch S-arm, 2 nozzles
- max. 23,200 psi / 66 gpm
- Min. Pipe -Ø: 12.6 inch

Type **XL 500-2 Chemical version**
- 1.38 inch lever arm, 2 nozzles
- max. 7,250 psi / 105 gpm
- Min. Tank access: 6.69 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 **XXL 1600-2**
- 2.20 inch lever arm, 2 nozzles
- max. 23,200 psi / 132 gpm
- Min. Tank access: 11.81 inch

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Hammelmann Corp. 436 Southpointe Drive
Miamisburg, Ohio 45342 Phone (001) 937-859-8777
eMail: mail@hammelmann.com
Hammelmann Corp. 436 Southpointe Drive
Miamisburg, Ohio 45342 Phone (001) 937-859-8777
Fax: (001) 937-859-9188
http://www.hammelmann.com