AQUAMAT® – Tank Cleaning Units



L 1500 PLUS



XL 1600 PLUS



XXL 1600-2



XL 1600-2
Version for pumping chemicals



XL 1600-2
Version for pumping chemicals
Additionally with gas tight encapsulation

Hot water (85 °C)

Zone 0

Pressure-resistant

It is possible to pump chemical media, e.g. alkalis

Tank cleaning units	Operating pressure	Flow rate*	Min. tank access	Weight
L 1500 PLUS	**up to 1500 bar**	**300 l/min***	**min. 125 mm**	**11,5 kg**
L 1500 PLUS ATEX – Zone 0	**up to 500 bar**	**300 l/min***	**min. 125 mm**	**11,8 kg**
L 1800-2	up to 1800 bar	150 l/min*	min. 190 mm	10.3 kg
XL 1600 PLUS	**up to 1600 bar**	**450 l/min***	**min. 150 mm**	**18,4 kg**
XL 1600-2 Pumping chemicals	up to 1600 bar	250 l/min*	min. 190 mm	14.8 kg
XL 1600-2 Pumping chemicals gas tight	up to 1600 bar	250 l/min*	min. 205 mm	38.5 kg
XXL 1600-2	up to 1600 bar	500 l/min*	min. 300 mm	93.0 kg

* Energy-efficient flow rates with low pressure loss. Higher flow rates however are possible.

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Description

Hammelmann automatic tank cleaners remove deposits including hardened materials from tank internal walls at pressures of up to 1800 bar.

The units operate solely with the power of high pressure water. The wide range of Hammelmann nozzle holder arms achieve the cleaning standard required at the specified performance parameters. Units can be fitted with one or two arms.

Typical 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

Design features

- Minimum pressure losses result in high efficiency.
- Coherent water jets for max. cutting performance and distance.
- Wear-resistant, infinitely variable braking system. The adjusting mechanism is dirt-protected.
- Compact and corrosion-resistant housing
- High reliability due to simple and low-maintenance design.
- Freely suspended operation possible

Nozzle holder arms for tank cleaning heads

Hammelmann can supply nozzle holder arms in various designs, lever actions and arm lengths to achieve the cleaning standard required at the specified performance parameters.

Particularly compact designs make cleaning through small openings possible.



Nozzle holder Type "V" arm for TCH "L"



Nozzle holder Type "S" arm for TCH "L"



Special version for smokestack cleaning



Nozzle holder Type "L" arm for TCH "XL"



Nozzle holder Type "S" arm for TCH "XL"



Nozzle holder Type "V" arm for TCH "XL"



Extension arm from 110 mm to 1100 mm

Accessories for tank cleaning heads



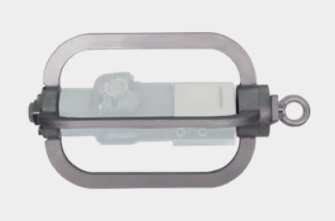
Deployment pipes
To stabilise the tank cleaning unit. Recommended for use when the unit is freely suspended by the hose with the unit brake adjusted to maximum.



Protective covers
Impact resistant plastic covers for tank cleaning units and nozzle holder arms.



Protective cage
Manufactured from rust and acid resistant stainless steel with rubber-coated frame sections. Offers all-round protection when fitted with type "Z" or "S" nozzle holder arms in conjunction with an impact resistant cover for the arm.



Sledge type guides
Guides to enable tank cleaning units to be used for pipe cleaning. The unit is mounted in the centre and a swivelling pulling eye is provided. Optional "kick plate" available so that the assembly self-propels through the pipe.

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