› **Our technology. Your success.**
Pumps ▪ Valves ▪ Service

Amajet – Tank Cleaning Systems

SwingAmajet

Applications:

- Keeping tanks (stormwater retention tanks, stormwater overflow tanks, industrial process water tanks) of all shapes clean (e.g. round, rectangular or asymmetrical).
- Keeping sewer systems clean

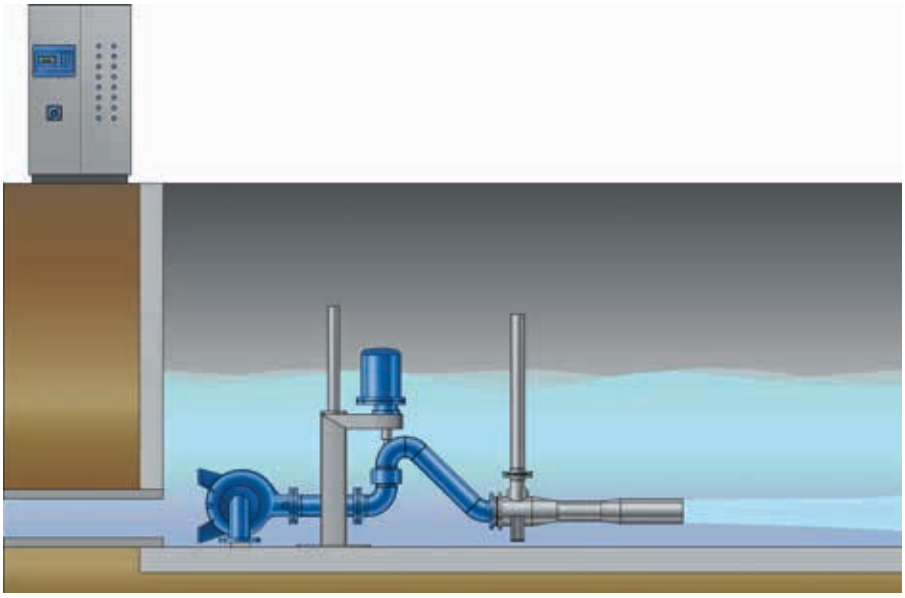
More information:
www.ksb.com/products

Amajet

MultiAmajet

Amajet – Tank Cleaning Systems

Function



Amajet sucks in the fluid from near the tank floor and transports it to an ejector nozzle. The narrow passage through the reducing nozzle increases the flow velocity in and downstream of the nozzle, producing a low pressure in the mixing chamber compared to the fluid surrounding it and compared to the atmosphere. This low pressure draws in air, which is mixed with the fluid in the mixing chamber. The fluid-air mixture is ejected through the ejection pipe as a high-velocity jet that is horizontal to the tank floor. The combined effects of the water jet and the small air bubbles in the fluid generate a powerful horizontal flow with a large vertical reach. The turbulences caused in the entire system by both transverse and longitudinal flows lift up the solids and keep them suspended.

During drainage the sludge is carried out of the system at an even rate to prevent peak demand periods for biological waste water purification.

Energy-saving cleaning
through intermittent operation that can be adapted to specific hydraulic conditions

Low life cycle costs
Low maintenance costs and high energy efficiency

Easy to install
With ready-made components

Unlimited operating period
Fully floodable; submerged operation without time limitations. Operation outside the fluid is also possible.

Intelligent control and perfect automation
with our dedicated process controller. Electronic control units ensure correct operation at all water levels. Operating periods are calculated for each individual case based on the current water level.

Technical data

Installation position	horizontal or vertical
Installation type	stationary
Size	DN 100 / DN 150
Slewing range (for SwingAmajet only)	280 °
Max. reach (MultiAmajet only)	100 m
Frequency inverter	PumpDrive 2
Drive rating*/**	4-27 kW

* Higher ratings on request
** Depending on the selection in combination with an IE3 motor

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