

AmaDS³ – Waste Water Pump Station with Solids Separation System

Industry

Water

Waste Water

Energy

Building Services

Mining

Applications:

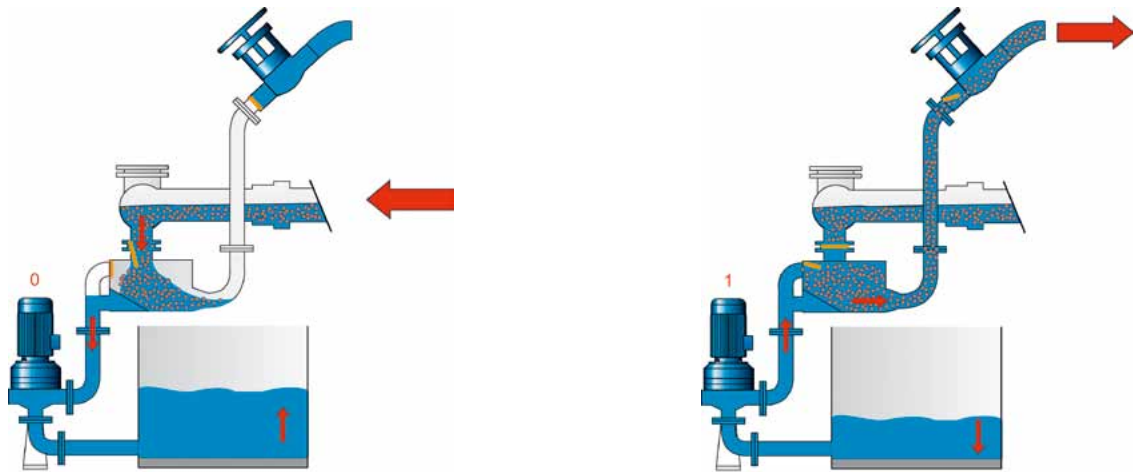
- Municipal and industrial waste water transport
- Drainage of hotels, hospitals and campgrounds

More information:

www.ksb.com/products



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Inflow phase

Upstream of the pumps, the solids are separated from the waste water and temporarily stored in the solids separators. Only pre-treated waste water flows through the pumps.

Pumping process

In this phase the pre-treated waste water is pumped through the solids separators in the opposite direction and carries the solids out of the separators and into the discharge line. Through this process the solids separators and pumps are cleaned and ready for the next inflow phase.

Economic efficiency

Pumps with smaller free passages than usually required can be used. This ensures higher efficiencies than those of conventional waste water pump stations and results in energy savings.

Operating reliability

The patented solids separation system works reliably and ensures clogging is prevented. The pumps are protected from coarse solids by upstream separators, resulting in reduced wear and increased plant availability.

Safe working conditions

The dry-installed system is closed and gas-tight, thus offering hygienic working conditions and a higher level of safety for operators.

Additional applications

As pumps with smaller free passages are employed, high heads can be achieved with a single pump station. This means the system is well suited for pumped drainage systems covering long distances.

Ease of maintenance

Redundancy of all important components ensures that the system can be serviced or repaired while it is in operation. Located externally, the solids separators are easy to access and thus simplify maintenance work considerably.

Technical data	AmaDS ³ 01/2/01	AmaDS ³ 02/2/02	AmaDS ³ 03/2/03.0	AmaDS ³ 03/2/03	AmaDS ³ 03/2/04.0	AmaDS ³ 04.0/2/04.1...	
Flow rate	5.5 - 6	5.5 - 6	5.5 - 13.5	12 - 18	18 - 22	22 - 30	l/s
Inflow rate	Up to 6	Up to 15	Up to 32	Up to 50	Up to 60	Up to 80	m ³ /h
Head	standard model up to 85 m						mlc
Collecting tank volume	220	460	710	1,100	1,400	2,400	l

Systems with other operating data on request.



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