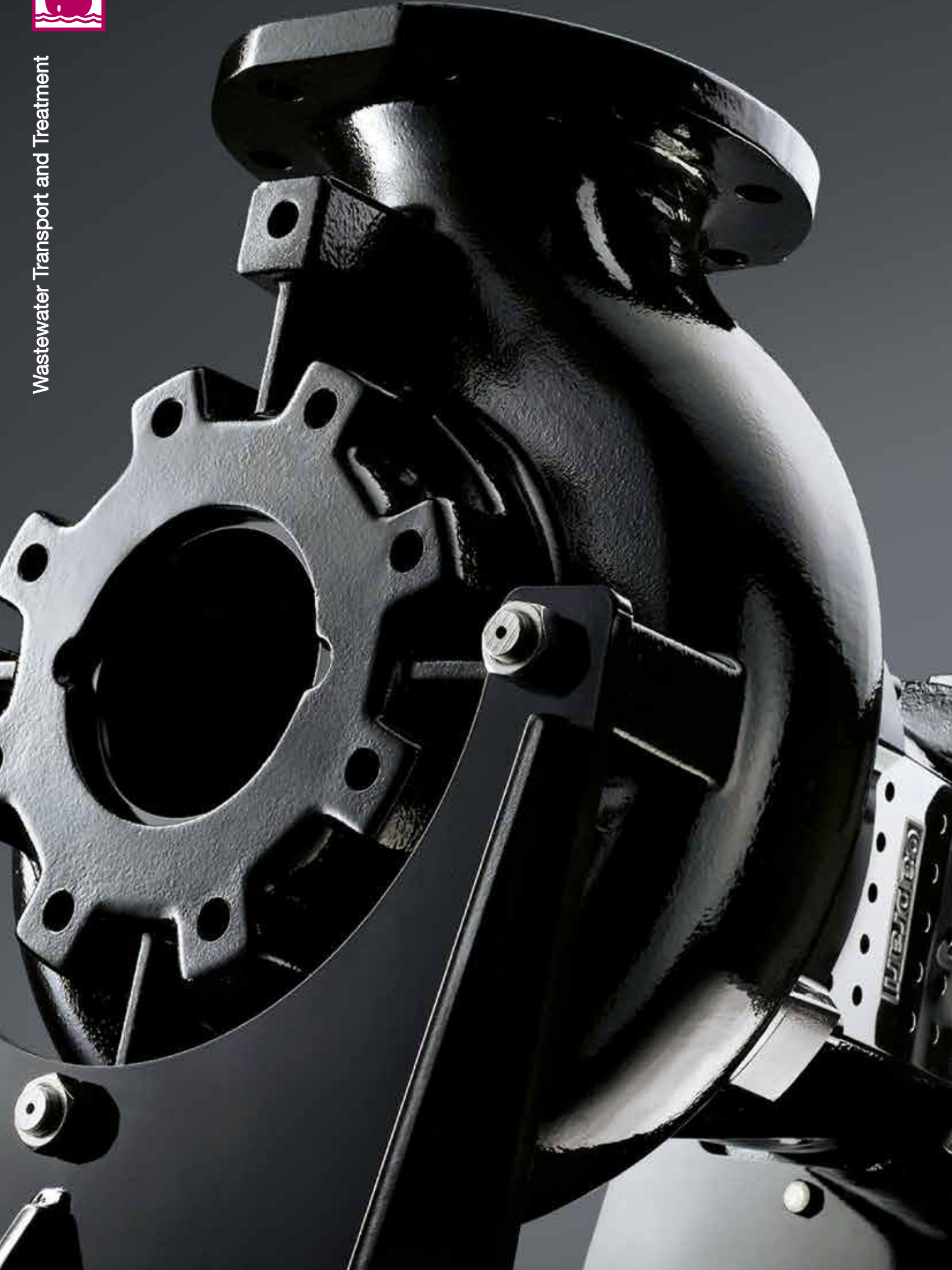




Wastewater Transport and Treatment

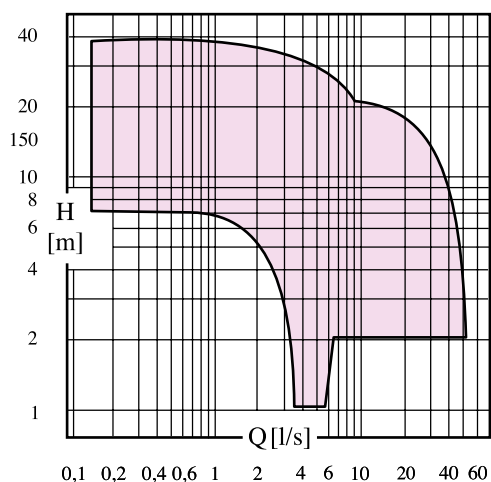


D Electric submersible pumps for drainage

Electric submersible pumps designed for raising drainage water, thanks to their handiness and sturdiness they are used for draining out excavations even under the harshest working conditions. Ideal for conveying clean or dirty water containing mud and sand, draining tanks and reservoirs, irrigating gardens and allotments.

technical specifications

Capacity up to	l/s	50
Head up to	m	40
Power up to	kW	7

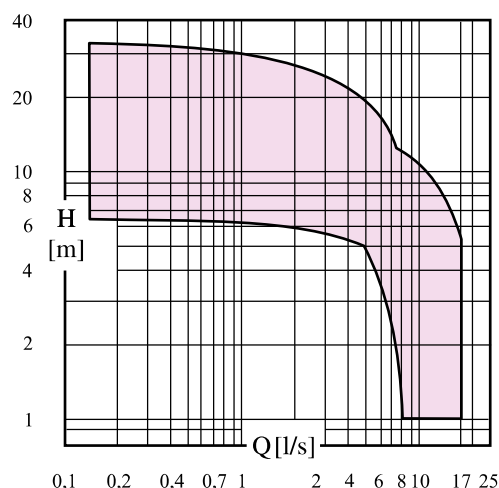


M and MAT Electric submersible pumps for dirty water

Electric submersible pumps for dirty water suited for conveying sewage water with solid matter in suspension. The models in the MAT series are equipped with a shredder for residential and industrial drainage systems. Designed for high heads and small flows, they are the ideal solution to convey residential waste water in isolated areas far from the sewer mains.

technical specifications

Capacity up to	l/s	17
Head up to	m	34
Power up to	kW	2,2

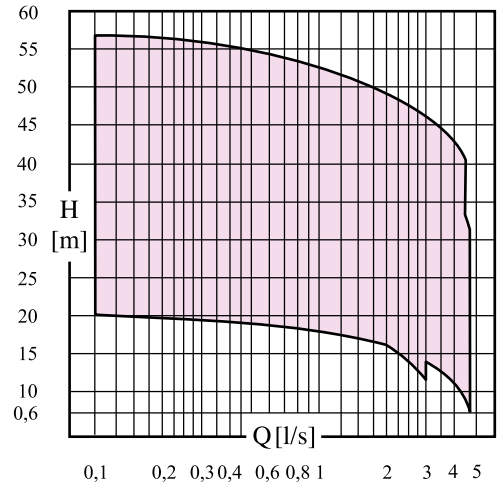


KT+
Electric submersible pumps
with shredder
DN 40

Electric submersible pumps with shredder for waste water. Impellers with front clearance adjustment, hardened stainless steel shredder, high efficiency low temperature motors. Ideal for raising drainage water containing solid or fibrous matter from housing estates, single dwellings, campsites, hotels, service areas, supermarkets, farms, food preserve industries, paper industries and whenever solids in suspension must be shredded. Innovative technical solutions ensure peak hydraulic efficiency and performance with the greatest reliability. Available also in explosion proof version conforming to ATEX II 2G Exd IIB T4.

technical specifications

Capacity up to	l/s	4,7
Head up to	m	57
Power up to	kW	5,5

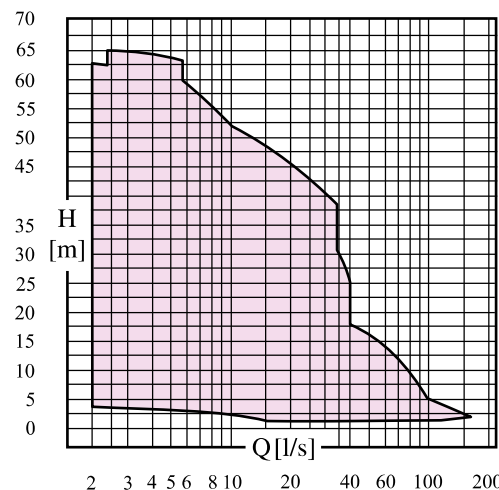


K+
Electric submersible pumps
DN 65 ÷ 200

High-efficiency electric submersible pumps for raising waste water. Expressly designed for pumping residential and industrial waste, in drainage lifting stations and water treatment plants. Single and double-channel hydraulics or with retracted open impeller, ideal to convey liquids with high concentrations of solids. Impellers with anti-clogging device, double mechanical seal for motor protection, oil chamber and conductivity probe. High efficiency low temperature motors, for use in a dry chamber too. A modern and professional range to ensure the best results in cutting running and maintenance costs in residential and industrial systems. Available also in explosion proof version conforming to ATEX II 2G Exd IIB T4.

technical specifications

Capacity up to	l/s	160
Head up to	m	65
Power up to	kW	15



K+
Electric submersible pumps
DN 100 ÷ 250

High-efficiency electric submersible pumps for raising waste water. Expressly designed for pumping residential and industrial waste, in drainage lifting stations and treatment plants.

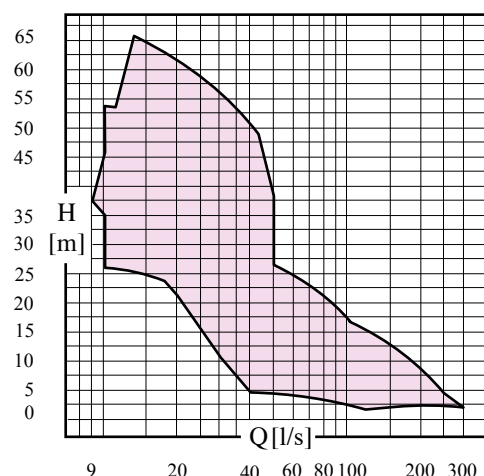
Single- and multi-channel hydraulics or with retracted open impeller, ideal to convey liquids with high concentrations of solids. Impellers with anti-clogging device, double mechanical seal for motor protection with oil chamber and conductivity probe. High efficiency motors, also with forced cooling system for use in a dry chamber.

A modern and professional range to ensure the best results in cutting running and maintenance costs in residential and industrial treatment systems.

Available also in explosion proof version conforming to ATEX II 2G Exd IIB T4.

technical specifications

Capacity up to	l/s	300
Head up to	m	66
Power up to	kW	32



K+
Electric submersible pumps
DN 150 ÷ 350

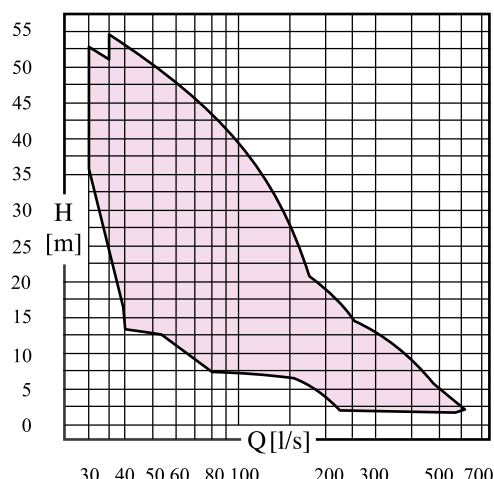
High-efficiency electric submersible pumps for raising waste water. Expressly designed for pumping residential and industrial waste, in drainage lifting stations and treatment plants.

Single- and multi-channel hydraulics, ideal to convey liquids with high concentrations of solids. Impellers with anti-clogging device, double mechanical seal for motor protection with oil chamber and conductivity probe. High efficiency motors, also with forced cooling system for use in a dry chamber. A modern and professional range to ensure the best results in cutting running and maintenance costs in residential and industrial systems.

Available also in explosion proof version conforming to ATEX II 2G Exd IIB T4.

technical specifications

Capacity up to	l/s	600
Head up to	m	55
Power up to	kW	62



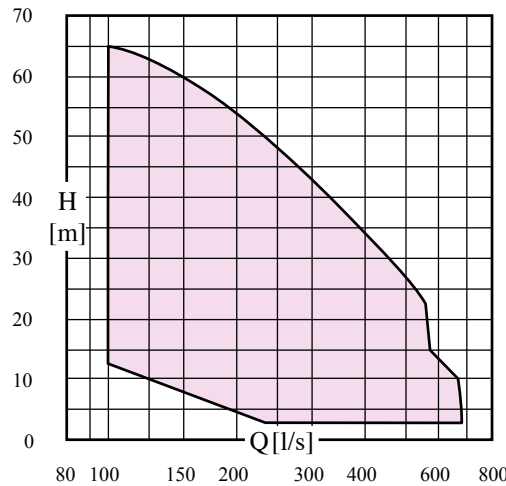
K+ Electric submersible pumps DN 250 ÷ 350

High-efficiency electric submersible pumps for raising waste water. Expressly designed for pumping residential and industrial waste, in drainage lifting stations and treatment plants.

Single- and multi-channel hydraulics, ideal to convey liquids with high concentrations of solids. Impellers with anti-clogging device, double mechanical seal for motor protection with oil chamber and conductivity probe. High efficiency motors, also with forced cooling system for use in a dry chamber. A modern and professional range to ensure the best results in cutting running and maintenance costs in residential and industrial systems.

technical specifications

Capacity up to	l/s	710
Head up to	m	65
Power up to	kW	180



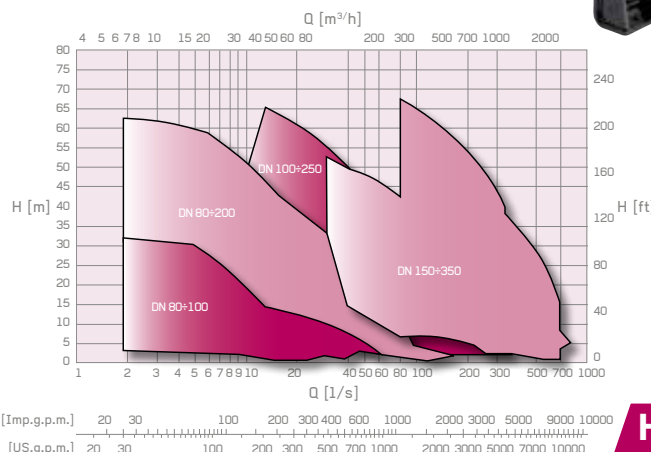
K - KOMPACT Dry installed sewage electric pumps

Innovative series of surface monobloc electric pumps, in horizontal or vertical version, for pumping residential and industrial waste water, coupled with standard electric motors. Compact, reliable, versatile, with easy maintenance and installation in dry chambers. Equipped with retracted vortex high-efficiency hydraulics, single-channel or double-channel impeller. Supplied as standard with double mechanical seal on the shaft, barrier oil chamber and conductivity probe.

IE3 / IE2 Motors.

technical specifications

Capacity up to	l/s	750
Head up to	m	65
Power up to	kW	200
Poles		4-6-8



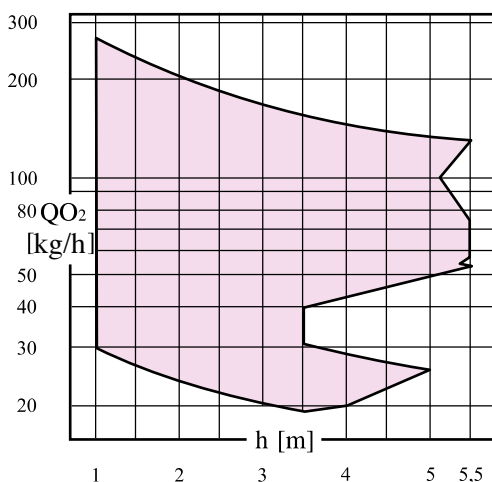
HIGH FLOW RANGE

OXY FLOW Aeration assembly

Aeration assembly for processes of oxygenation and homogenization in treatment plants for residential, industrial and livestock farming waste water, in fish farming and aerated ponds. Ideal for rainwater collection basins too. Compact and simple to install, they are suitable for use in tanks of any shape and size.

technical specifications

O₂ output up to	kg/h	280
Water head up to	m	5,5
Power up to	kW	25

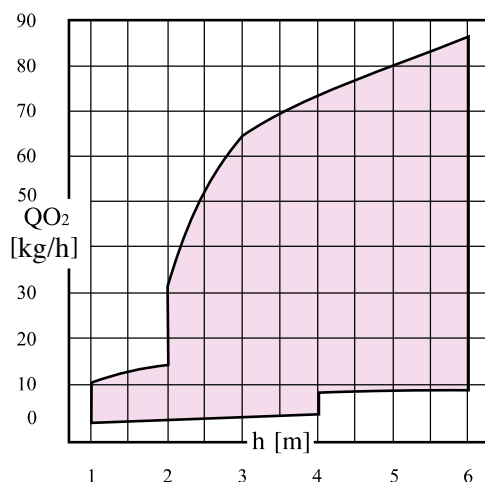


ARS - ARS/S Radial submersible aerators

Radial submersible aerators. They are an extremely flexible system of aeration, versatile and efficient in water treatment and in all cases where mixing with the addition of air is required. The machine's compactness helps installation and maintenance without draining the tanks or stopping the systems.

technical specifications

O₂ output up to	kg/h	87
Water head up to	m	6
Power up to	kW	51



AERATION SYSTEMS

The fine bubble diffusers are the Caprari solution for the high-efficiency aeration.

Formed by the line of pipes with the diffusers installed on it, the aeration unit creates a network that covers the entire area where oxygenation is required.

Concentrations and a balanced mixture of dissolved oxygen are obtained throughout the tank by evenly distributed diffusers. They are available:

- disc diffusers
- tubular diffusers
- coarse bubble disc diffusers

technical specifications

		AFD270 9"	AFD350 12"
Recommended flow rate	Sm ³ /h	2,5-5,0	4,2-8,3
Flow range	Sm ³ /h	0-12	0-20
Active surface area	m ²	0,0375	0,065
Slit quantity		6.600	10.155

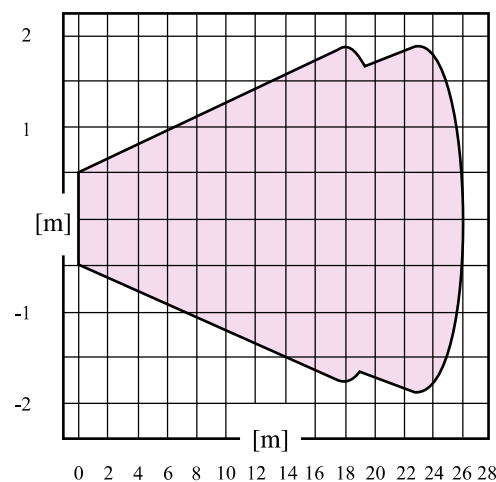


CMD (4-6 poles) Horizontal submersible mixers with direct drive

Horizontal submersible mixers with direct drive. For applications in nitrification/denitrification, sludge treatment and storage, disinfection tanks and industrial mixing. Available with cast-iron construction and stainless steel propeller or in totally stainless steel version - AISI 316. Galvanic separation system for standard components providing effective protection against corrosion.

technical specifications

Capacity up to	l/s	316
Axial thrust	N	429
Power up to	kW	3

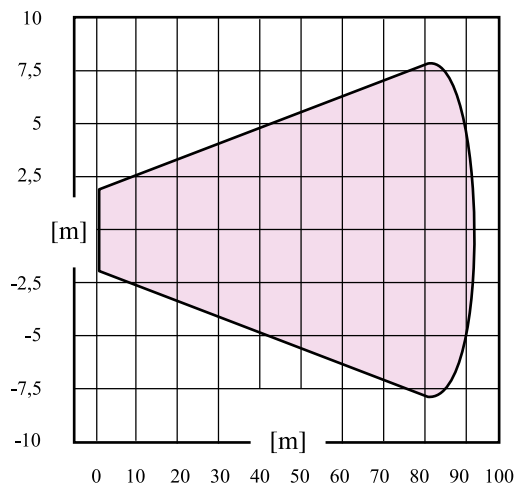


CMR Horizontal submersible mixers with epicyclical gear

Horizontal submersible mixers with epicyclical gear between electric motor and propeller. For applications in nitrification/denitrification, sludge treatment and storage, disinfection tanks and industrial mixing. Galvanic separation system for standard components providing effective protection against corrosion. Available also in explosion proof version conforming to ATEX II 2G Ex d IIB T5 Gb.

technical specifications

Capacity up to	l/s	1860
Axial thrust	N	3725
Power up to	kW	18,5



CMB Horizontal submersible flow accelerators with epicyclical gear

Flow accelerators for applications in nitrification/denitrification tanks, disinfection and industrial mixing. Propeller with self-cleaning blades made of a composite material with high hydraulic efficiency. Galvanic separation system for standard components providing effective protection against corrosion.

technical specifications

Capacity up to	l/s	4890
Axial thrust	N	2900
Power up to	kW	4

