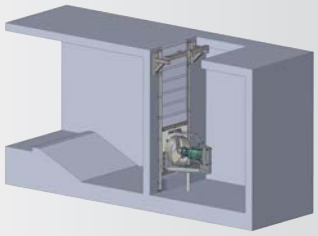
OPTIMIX ADJUSTABLE



Application

Submersible motor for ring and slalom channels
up to 4 m depth

Propeller

Optimix 2G	9.0 kW	propeller HD+ 580	380 rpm
Optimix 2A	13.5 kW	propeller HD+ 620	380 rpm
Optimix 2G	15.0 kW	propeller HD+ 660	380 rpm

Galvanized, hardened steel, ss304 or hardened ss304

Agitation tunnel

Attachment directly on the concrete funnel

Funnel channel has a optimum width of 700 - 750 mm

Guiding rails and crossmember in ss304 onto on-site wall window or brickwork chase with guide slot Microbe resistant and fabric-reinforced foil

PVC-Plate 30 mm thick

Hoisting device for agitators via ss316-stainless steel-wire rope

Agitator frame galvanized and coated

Optional ss304-version

Optimix 2A 135 - 380 completely in ss304 (13.5 kW)

Propeller HD+ 620 in ss304, optional hardened ss304

Agitator guiding frame in ss304

Rope winch

Galvanized cable winch with ss316-stainless steel-wire rope

Tensile load up to 1,200 kg

Cable

Pressed on cable gland

Cable 7 x 4 + 4 x 1.5 mm², Ø 20 mm,

Resistant against biomass

Cable strain relief 800 N integrated

Submersible motors

Motor powers: 9.0 / 13.5 / 15.0 kW

Connection cable 10 m or 14 m

Optional: Star-delta switch or SUMA soft starter

Accessory: POM protection to minimize abrasion

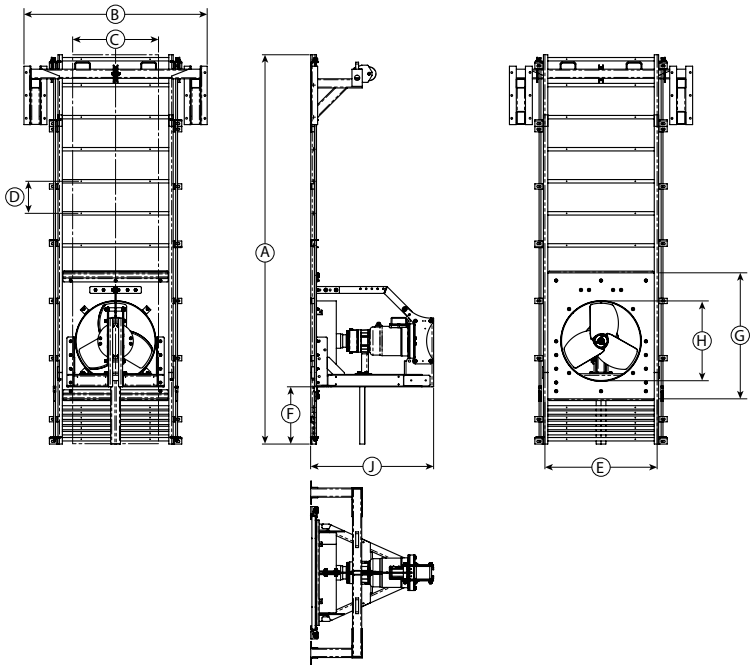
Delivery scope

Agitation tunnel

Submersible motor stationary

Cable winch

OPTIMIX ADJUSTABLE



Dimensions

Type	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	H [Ø mm]	J [mm]		
Optimix adjustable	3,400	1,600	700 - 750	300	980	500	1,100	690	1,073		

Technical data

Type	Rated Power [kW]	Rated Voltage [V]	Full load current [A]	Frequency [Hz]	Power factor cos φ	Gear reduction ratio	Propeller diameter [mm]	Axial force [kN]	Flow velocity [m/s] *	Pumping rate [m³/min]	Pumping rate [m³/h]	Weight approx. [kg]
Optimix 2G 90-380	9.0	400	17.7	50	3.83	375	580	2.0	3.4	51	3,080	180
Optimix 2A 135-380	13.5	400	24.0	50	3.83	380	620	2.4	3.8	64	3,850	190
Optimix 2G 150-380	15.0	400	29.1	50	3.83	383	660	3.1	4.1	81	4,860	190

Subject to technical changes
* measured in water and 1.2 m distance

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