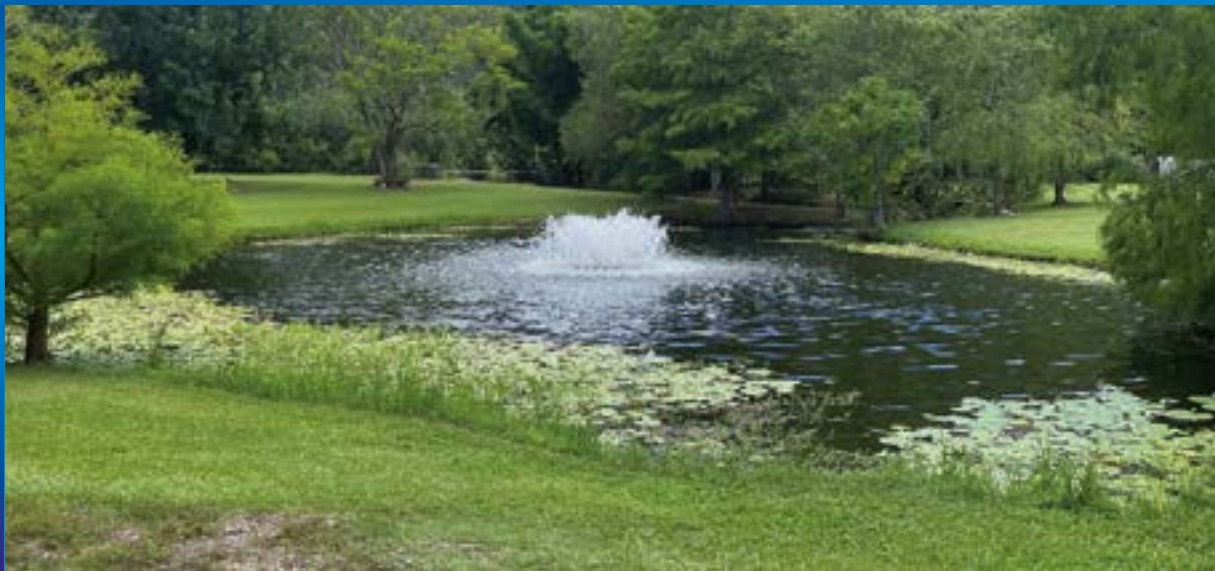


Amazing Water

Purifying
Moving
Shaping
Vitalising
Illuminating
Installing



Mixers and aerators

Programme and technical specifications 2026

VITALISING WATER



Fish mortality due to oxygen deficiency.



Suffocation caused by duckweed.



Odour nuisance due to oxygen deficiency.



Movement and aeration of water is crucial for improving water quality and indispensable in every water culture. Oxygen-rich water contributes to the biological breakdown of organic substances in the water.

AUGA builds aerators and mixers for optimising and maintaining the water-quality in a variety of waters, reducing the risk of algae formation, odour nuisance, oxygen deficiency, fish mortality and stratification significantly reduces.



Temperature reduction.



Blue-green algae.



Keeping ice-free.



PUBLIC WATERS AND RECREATIONAL LAKES

Stagnant - and often also shallow - water can become a source of nuisance as temperatures rise. Besides fish mortality due to oxygen deficiency, this also includes water that starts to smell, mosquito infestations and excessive algae growth caused by warming water.

Water in cities, parks, campsites and other recreational areas in particular is repeatedly affected by this during warm periods, and it can even lead to a swimming ban.

Another problem occurs with heavy rainfall. Rainwater is still frequently discharged via the sewer system. During downpours, this system is often overloaded and emergency overflows come into operation, which often flow into public ponds. The discharged sewage water leads to acute oxygen deficiency, resulting in mass fish mortality.



STORAGE WATER IN GREENHOUSE HORTICULTURE

Storage water in greenhouse horticulture is used for irrigation/drip irrigation. Stagnant water causes algae growth and can cause faults in the micro-irrigation systems. By moving and aerating the water, algae formation is prevented and the storage water stays vital.



FISH WATERS

Declining catches and fish mortality: two main problems in fish ponds. When angling associations periodically stock the ponds they manage with fish, the biomass present can become greater than the pond's carrying capacity. Over time, the fish population eventually falls back to the carrying capacity, causing the stocked fish to deteriorate in condition, or even die, within a shorter or longer period.

By mixing the water layers and adding oxygen, the carrying capacity is increased, with the aim of keeping the amount of fish in a pond at a higher level for longer.



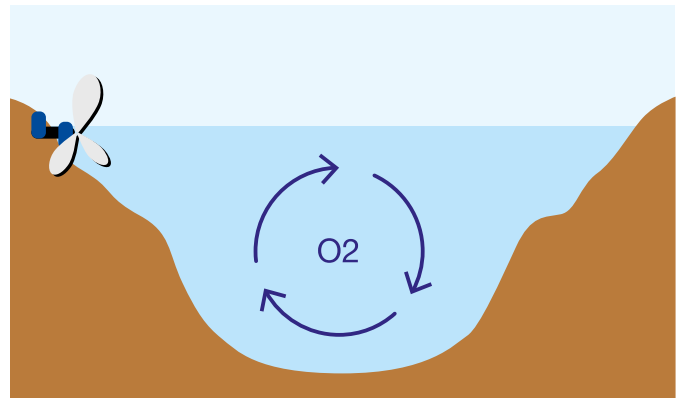
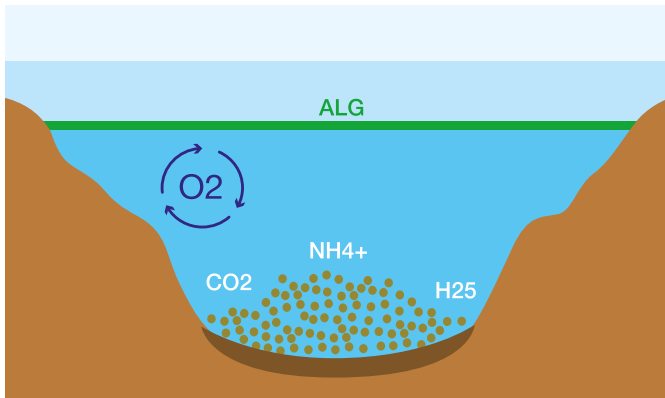
CANAL WATER

Canal water today mainly still serves an aesthetic function around castles and manor houses. However, stagnant and smelly water, fluctuating water levels, overgrowth by duckweed and sediment deposits are current problems in maintaining a canal.

By introducing circulation into the water and mixing the water layers, its quality is significantly improved, it contributes to sediment improvement, duckweed is kept under control, and it also provides oxygen enrichment in the deeper water layers.

Type	Flow	MegaFlow	AirFlow	Mega AirFlow	Megaflow combi	S-Flow	V-Flow	Airtec	AirTec Pro
Oxygen enrichment			•	•	•	•	•		
Circulation	•	•	•	•	•				
Anti-stratification	•	•	•	•	•				
Flotation			•	•					
Sediment improvement			•	•	•				
Temperature reduction	•	•				•			
Aeration			•	•	•	•	•	•	•
Degassing			•	•		•			
Keeping ice-free	•	•	•	•	•			•	•
Decorative fountain							•		
Noise level	0	0	00	00	00	000	000	0	0

Flow mixers in floating and fixed installation



Mixers for ponds, canals and fish ponds

A homogeneous composition of the water zones is fundamental to the health of the ecosystem in water. It ensures the concentration of nutrients, oxygen and temperature, which is normally blocked (stratification) in the top water layer, depending on the shape of the pond or basin.

Good circulation helps prevent the build-up of debris and gas formation from the organic breakdown of bottom sediment, and saves costs because less maintenance is needed.

Mixers create water currents enriched with oxygen and rich in nutrients; fish and other aquatic life can develop much better.

Circulation is also the solution for limiting algae bloom. The

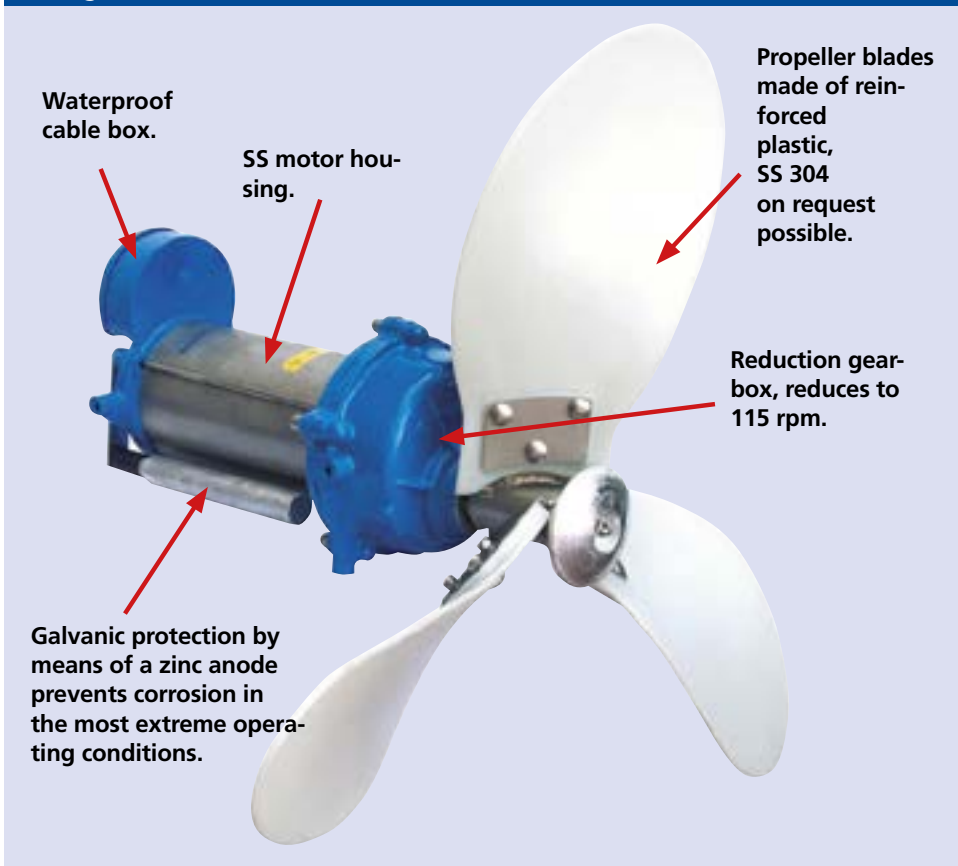
position of the motor is adjustable for optimal positioning in the water.

Mixers for wastewater and recycled water

Water is valuable, which needs no further explanation. The need to reuse wastewater in a production process where a lot of water is used is evident. Controlling the costs of achieving the desired water quality for reuse, are just as evident.

The mixers and aerators are "stand-alone" units for fixed or floating installation; no additional structural provisions are needed. The energy efficiency is high, because the units operate directly beneath the water surface.

MegaFlow mixer



Technology

The specially designed motors are the workhorse in every installation and built for long-term use, under highly variable conditions with a wide diversity of applications.

- Suitable in fresh and salt water.
- Double mechanical seal in oil bath (biodegradable).
- Bronze or SS motor housing.
- Motor cables available at desired length.
- Supply voltage 230 V 1 Ph (up to 1.5 kW), 400 V 3 Ph, other voltages available on request.
- Custom-made systems possible.



Flow mixers

Flow propeller mixers ensure flow-through and mixing of the water layers in stagnant water in canals, ponds, lakes and storage basins.

Type	Installation	Motor P2 kW	Voltage V / Hz	Cable m	L x W x H mm	Art. no.
Flow 37 F	Floating	0,37	230 / 50	20	980 x 980 x 770	103101
Flow 37 S	Fixed	0,37	230 / 50	20	556 x 590 x 530	103100
Flow 75 F	Floating	0,75	230 / 50	20	980 x 980 x 770	103104
Flow 75 S	Fixed	0,75	230 / 50	20	556 x 590 x 530	103102
Flow M-150 F	Floating	1,50	230 / 50	20	980 x 980 x 770	103106
Flow M-150 S	Fixed	1,50	230 / 50	20	556 x 590 x 530	103105

Flow 75 S - Fixed installation



Flow 75 F - Floating installation

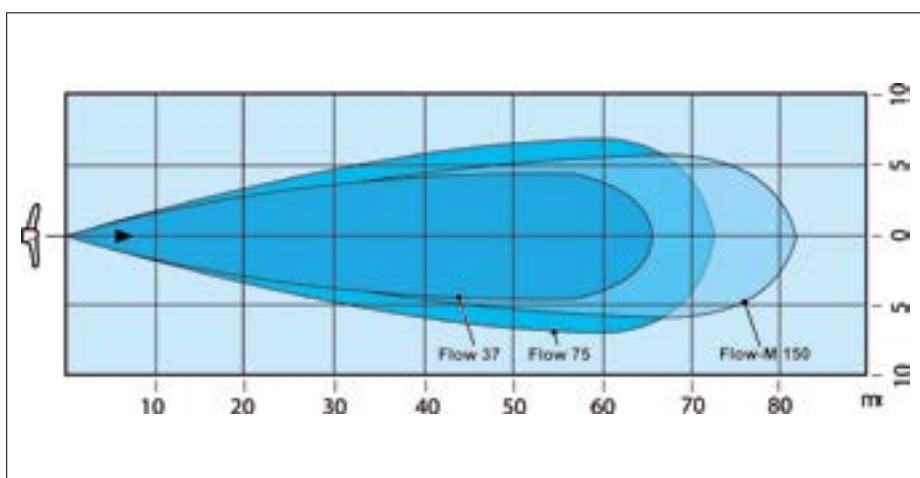


Applications

- Circulation.
- Anti-stratification.
- Temperature reduction.
- Ice-free keeper.

Technical information

- Adjustable flow angle.
- Base plate with counterweight.
- Protective cage around propeller.
- Incl. anchoring eyes.
- Also available in 400 V 3 Ph.
- Motor cable at desired length available.
- F version with plastic float.
- Type 37 and 75: 1400 rpm
- Type 150: 2800 rpm



Work zone

- Pump control, see page 22.
- Anchoring set, see page 23.

MegaFlow mixers

MegaFlow mixers set very large volumes of water in motion at low energy consumption, suitable for large-scale water projects.

Type	Installation	Motor P2 kW	Voltage V / Hz	Cable m	L x W x H mm	Art. no.
MegaFlow 75 F	Floating	0,75	230 / 50	20	1958 x 1860 x 1306	103114
MegaFlow 75 S	Fixed	0,75	230 / 50	20	1958 x 1006 x 1306	103112
MegaFlow 150 F	Floating	1,50	230 / 50	20	1958 x 1860 x 1306	103116
MegaFlow 150 S	Fixed	1,50	230 / 50	20	1958 x 1006 x 1306	103115

MegaFlow 150 F - Floating installation



MegaFlow for wall mounting

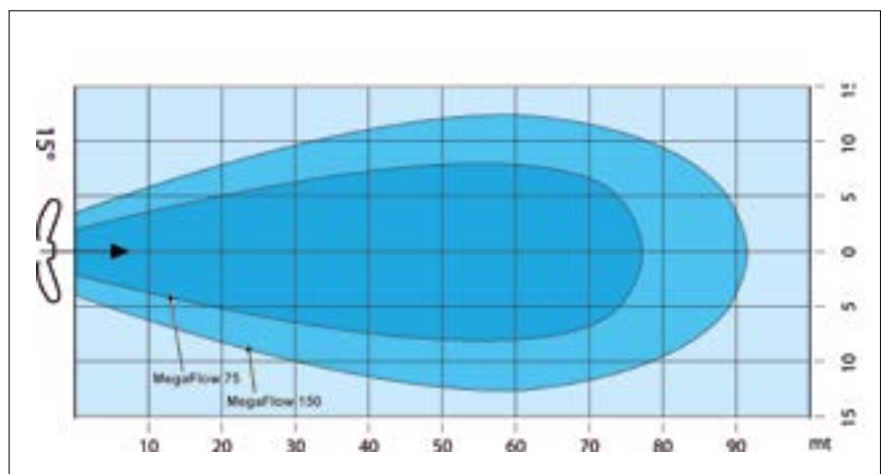


Applications

- Circulation.
- Anti-stratification.
- Temperature reduction.
- Ice-free keeper.

Technical information

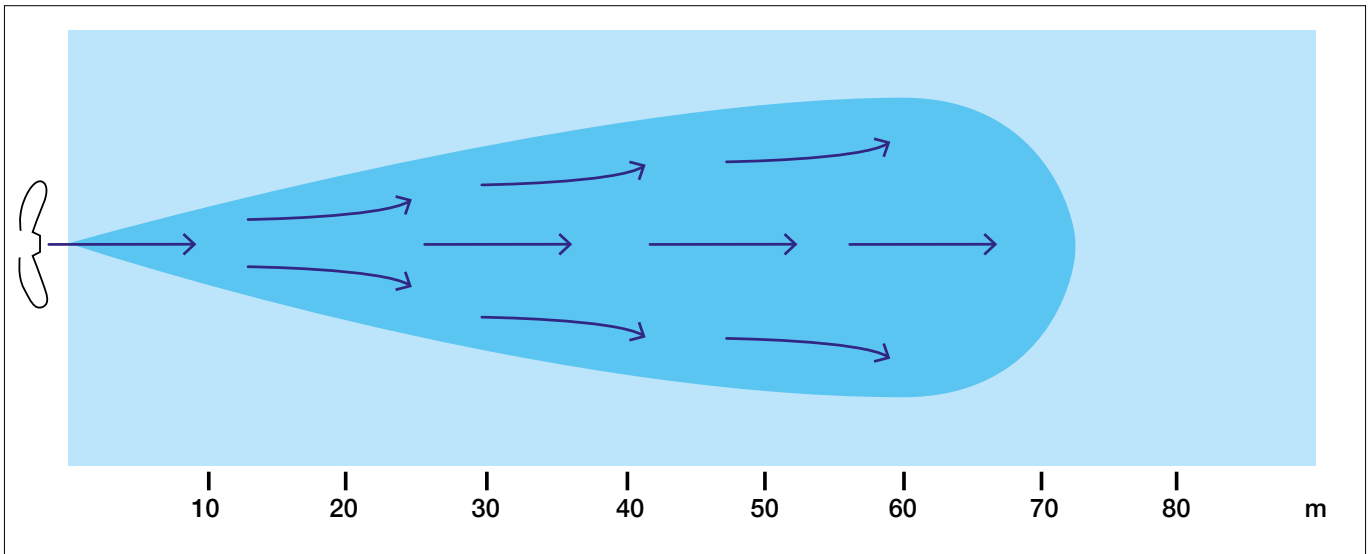
- Adjustable flow angle.
- Low-speed motor:
Type 75: 1400/123 rpm
Type 150: 1400/112 rpm
- Also available in 400 V.
- Motor cable available at desired length.
- Fixed and floating version.
- Custom constructions possible.
- F version with plastic float.



Work zone

- Pump control, see page 22.
- Anchoring set, see page 23.

AirFlow aerators in floating and fixed installation



Moving and aerating

Underwater aeration is achieved with systems that inject air at a certain depth and dissolve air/oxygen in produce microbubbles. The large contact surface of these bubbles ensures oxygen transport through the entire water column.

The horizontal movement extends the contact time between air and water, prevents loss of oxygen and increases the oxygen transfer rate.

Horizontal flow also prevents bottom erosion in all applications with a natural bottom. The entire working area of the underwater aerators is richly supplied with oxygen, mixed and circulated.

AirFlow aerator

Galvanic protection by means of a zinc anode prevents corrosion in the most extreme operating conditions.

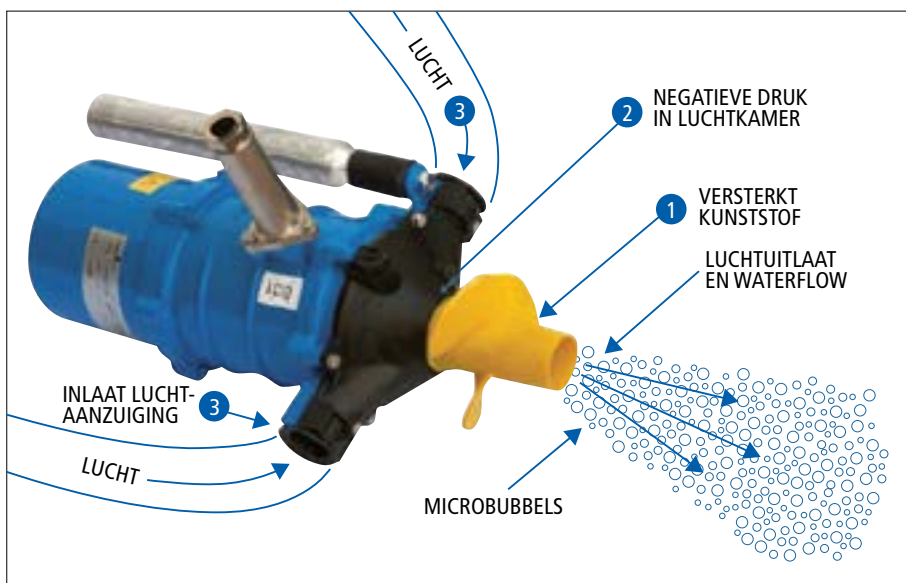
Propeller made of reinforced plastic, displaces large volumes of water.

Motor housing made of seawater-resistant bronze.

Technology

The specially designed motors are the workhorse in every installation and built for long-term use, under highly variable conditions with a wide diversity of applications.

- Suitable in fresh and salt water.
- Double mechanical seal in oil bath (biodegradable).
- Bronze or SS motor housing.
- Motor cables available at desired length.
- Supply voltage 230 V 1 Ph (up to 1.5 kW), 400 V 3 Ph, other voltages available on request.
- Custom-made systems possible.



How it works

The propeller (1) displaces a large amount of water; a vacuum forms in the air chamber (2), drawing in air through the connections (3). The propeller pump carries the drawn-in air bubbles along with the water flow (4).

AirFlow aerators

AirFlow propeller pumps combine the power of movement with injected air in the form of microbubbles, which is absorbed into the water, necessary for accelerated biological breakdown of organic substances and important for all life in the water.

Type	Installation	Motor P2 kW	Voltage V / Hz	Capacity		Cable m	L x W x H mm	Art. no.
				m ³ /h	O ₂ /m ³			
AirFlow 37 F	Floating	0,37	230 / 50	70	15	20	980 x 980 x 770	103162
AirFlow 37 S	Fixed	0,37	230 / 50	70	15	20	556 x 590 x 530	103151
AirFlow 75 F	Floating	0,75	230 / 50	80	20	20	980 x 980 x 770	103155
AirFlow 75 S	Fixed	0,75	230 / 50	80	20	20	556 x 590 x 530	103152
AirFlow 110 F	Floating	1,10	230 / 50	150	30	20	980 x 980 x 770	103156
AirFlow 110 S	Fixed	1,10	230 / 50	150	30	20	556 x 590 x 530	103153

AirFlow 75 S



Applications

- Oxygen enrichment.
- Circulation.
- Anti-stratification.
- Flotation.
- Sediment improvement.
- Aeration.
- Degassing.
- Ice-free keeper.

Technical information

- Adjustable flow angle.
- Built-in venturi system.
- Base plate with counterweight.
- Protective cage around propeller.
- Incl. anchoring eyes.
- Also available in 400 V 3 Ph.
- Motor cable available at desired length.
- F version with plastic float.
- Speed 2800 rpm.

- Pump control, see page 22.
- Anchoring set, see page 23.

AirFlow 110 F



Mega AirFlow aerators

The powerful Mega AirFlow propeller pump delivers an enormous capacity, combined with oxygen injection, and is excellently suited for larger water projects.

Type	Installation	Motor P2 kW	Voltage V / Hz	Cable m	L x W x H mm	Art. no.
Mega AirFlow 220 F	Floating	2,2	400 / 50	20	1000 x 1200 x 1390	103166
Mega AirFlow 300 F	Floating	3,0	400 / 50	20	1000 x 1200 x 1390	103167

Mega AirFlow 220 F



Applications

- Oxygen enrichment.
- Circulation.
- Anti-stratification.
- Flotation.
- Aeration.
- Degassing.
- Ice-free keeper.
- Sediment improvement

Technical information

- Adjustable flow angle up to 45°.
- Built-in venturi system.
- Motor cable available at desired length.
- F version with plastic float.
- Speed 2800 rpm.
- Pump control, see page 22.
- Anchoring set, see page 23.



MegaFlow Combi

Combi systems, consisting of a Megaflow mixer and an AirFlow aerator, built together into one unit, for aerating and moving large volumes of water in large-scale water projects.

Type	Installation	Motor P2 kW	Voltage V / Hz	Cable m	L x W x H mm	Art. no.
MegaFlow Combi 75 / AirFlow 110 F	Floating	0.75 + 1.10	230 / 50	20	1958 x 1860 x 1306	103171
MegaFlow Combi 75 / AirFlow 110 S	Fixed	0.75 + 1.10	230 / 50	20	1958 x 1006 x 13006	103170
MegaFlow Combi 150 / AirFlow 110 F	Floating	1.5 + 1.10	230 / 50	20	1958 x 1860 x 1306	103173
MegaFlow Combi 150 / AirFlow 110 S	Fixed	1.5 + 1.10	230 / 50	20	1958 x 1006 x 13006	103172

MegaFlow Combi / AirFlow



MegaFlow in operation

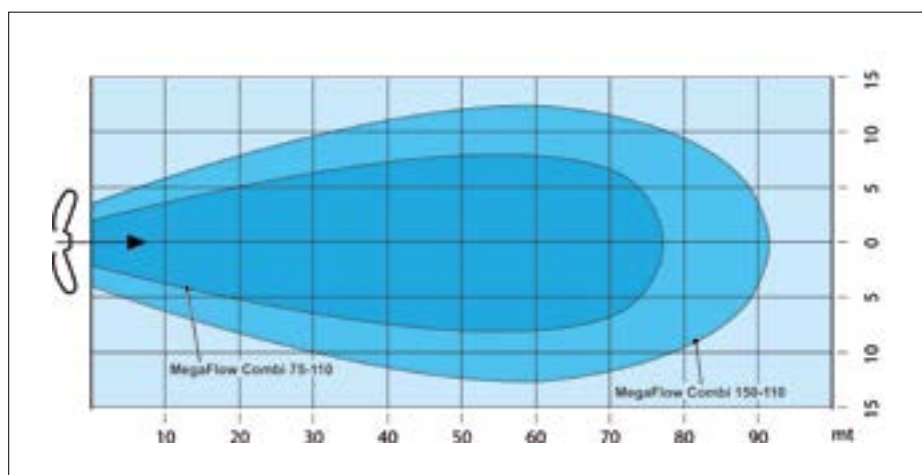


Applications

- Oxygen enrichment.
- Circulation.
- Anti-stratification.
- Sediment improvement.
- Aeration.
- Ice-free keeper.

Technical information

- Adjustable flow angle.
- Also available in 400 V.
- Motor cable at desired length available.
- Fixed and floating construction.
- More versions possible.
- F version with plastic float.
- Speed 1400 / 2800 rpm.



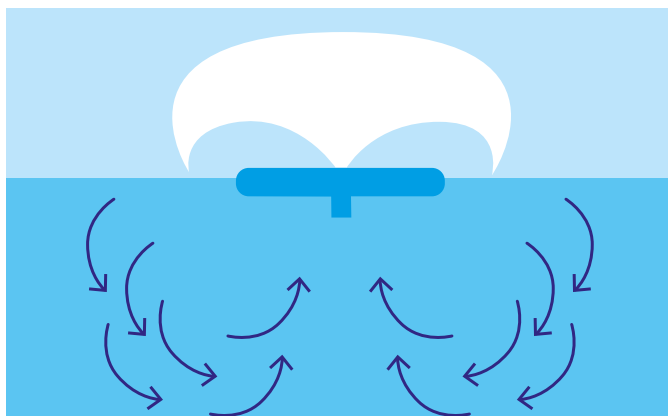
Work zone

- Pump control, see page 22.
- Anchoring set, see page 23.



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S-Flow volume aerators and V-Flow fountain aerators



Aerating fish ponds, public ponds and fish farms

Surface aeration is extremely important in situations where degassing is fundamental. In many cases, removing harmful gases - which are extremely dangerous for fish and overall water quality - is far more important than merely aerating the water.

S-Flow volume aerators

The surface aerator pumps a large volume of water into the air, releasing ammonia and CO₂ from the water, before returning oxygen to the water.

The surface aerator creates a well-mixed and aerated zone around the unit, resulting in a better water environment without stratification.

V-Flow volume aerators

Fountain aerators increase the oxygen content in the water and create a voluminous fountain display, without disturbing the pond bottom. Because the pumps are extremely insensitive to dirt, they are particularly suitable for use in public waters. Illuminating with LED colour spotlights adds extra enjoyment during the evening hours.

Technology

The specially designed motors are the workhorse in every installation and built for long-term use, under highly variable conditions with a wide diversity of applications.

- Double mechanical seal in oil bath (biodegradable).
- Bronze or SS motor housing.
- Motor cables available at desired length.
- Supply voltage 230 V 1 Ph (up to 1.5 kW), 400 V 3 Ph, other voltages available on request.



S-Flow



V-Flow Pro



V-Flow Economic



S-Flow volume aerators

The enormous water displacement results in temperature reduction of warmed water, degassing and oxygen enrichment.

Type	Installation	Motor P2 kW	Voltage V / Hz	Capacity m³/h	Cable m	L x W x H mm	Art. no.
S-Flow 37 F	Floating	0,40	230 / 50	120	20	680 x 680 x 486	103165
S-Flow 75 F	Floating	0,75	230 / 50	192	20	680 x 680 x 486	103159
S-Flow 110 F	Floating	1,10	230 / 50	186	20	680 x 680 x 486	103160
S-Flow 150 F	Floating	1,50	230 / 50	222	20	680 x 680 x 486	103163
S-Flow 220 F	Floating	2,20	400 / 50	324	20	680 x 680 x 486	103164

S-Flow top view



S-Flow front view



Applications

- Oxygen enrichment.
- Temperature reduction.
- Aeration.
- Degassing.

Technical information

- Protective cage around the propeller pump.
- Incl. anchoring eyes.
- Also available in 400 V 3 Ph.
- Motor cable available at desired length.
- Plastic float.
- Highly resistant to dirt.
- Type 37 and 75: 1400 rpm.
- Type 110, 150 and 220: 2800 rpm.
- Pump control, see page 22.
- Anchoring set, see page 23.



V-Flow Pro fountain aerators

Fountain aerators are multi-functionals; the voluminous fountain display is a beautiful eye-catcher in garden and park ponds and also increases the oxygen content in the water. By reducing the temperature of warming surface water, algae formation is combated and water quality is improved.

The open propeller impeller makes the fountain aerators highly dirt-resistant and particularly suitable for natural ponds, canals and open water.

V-Flow Pro



Propeller impeller, dirt-resistant



Type	Installation	Motor P2 kW	Voltage v / Hz	Fountain display			Cable	Diam. x height mm	Art. no.
				ø m	H max m	m3 / h			
V-Flow Pro 37 F	Floating	0,37	230 / 50	4,00	1,20	50	20	980 x 770	103178
V-Flow Pro 37 F	Floating	0,37	400 / 50	4,00	1,20	50	20	980 x 770	103179
V-Flow Pro 60 F	Floating	0,60	230 / 50	5,50	1,30	60	20	980 x 770	103168
V-Flow Pro 60 F	Floating	0,60	400 / 50	5,50	1,30	70	20	980 x 770	103176
V-Flow Pro 75 F	Floating	0,75	230 / 50	6,50	1,70	60	20	980 x 770	103157
V-Flow Pro 75 F	Floating	0,75	400 / 50	6,50	1,70	60	20	980 x 770	103169
V-Flow Pro 110 F	Floating	1,10	230 / 50	7,00	1,90	90	20	980 x 770	103158
V-Flow Pro 110 F	Floating	1,10	400 / 50	7,00	1,90	90	20	980 x 770	103175

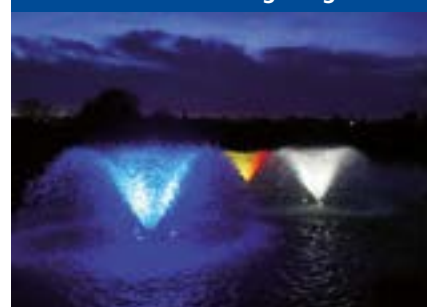
V-Flow Pro 110 F



With warm white lighting



With RGBW lighting



Selection table spotlights (optional)

Type	Number per set	Power	Light source	Art. no.
LSX 18-3 WW	3	3 x 18 W	LED warm white 3000 K	104042
LSX 24-3 RGBW	3	3 x 24 W	LED RGBW	104043

Visibility	• • • • •
Wind-resistant	• • • • •
Noise level	• • • • •

- Control of pump and spotlights, see page 22.
- Anchoring set, see page 23.

V-Flow Pro fountain aerators

Powerful fountain aerator fitted with an extremely efficient and energy-saving PM motor. Fully adjustable in capacity/fountain height and power consumption. These installations are used in large ponds, to improve water quality and as a large, decorative fountain.

Type	Installation	Motor P2 kW	Voltage v / Hz	Fountain display			Cable	Diam. x height mm	Art. no.
				ø m	H max m	m3 / h			
V-Flow Pro 220F	Floating	0 -2,20	230 / 50	0 > 7.50	0 > 3.50	0 > 200	20	980 x 770	103174
V-Flow Pro 220 F	Floating	0 -2,20	400 / 50	0 > 7.50	0 > 3.50	0 > 200	20	980 x 770	103177

V-Flow Pro 220 F



V-Flow Pro 220 F



Technical data

Applications

- Decorative fountain for large ponds.
- Aeration.
- Oxygen enrichment.
- Temperature reduction of surface water.
- Algae control.

Technical information V-Flow Pro 220 F

- Industrial high-efficiency PM motor, suitable for continuous operation.
- Motor housing made entirely of bronze, brackish-water resistant.
- Propeller impeller, highly dirt-resistant.
- Large protective basket to protect against large debris (wood, plastic, etc.) and protection for fish.
- Flat, unobtrusive float.
- Supplied including frequency controller for manually adjusting the fountain height capacity.

Technical information, frequency controller

- IP 20 version for installation in a main control cabinet.
- IP 65 version for outdoor installation, without further pump/light control.

Frequency controller IP 65



The V-Flow Pro 220 F is fitted with a PM motor (permanent direct-current motor). The motor is controlled by the supplied frequency controller, allowing the motor speed - and the fountain height - to be adjusted as desired.

Selection table spotlights (optional)

Type	Number per set	Power	Light source	Art. no.
LSX 18-3 WW	3	3 x 18 W	LED warm white 3000 K	104042
LSX 24-3 RGBW	3	3 x 24 W	LED RGBW	104043

Visibility	• • • • •
Wind-resistant	• • • • •
Noise level	• • • • •

- Control of pump and spotlights, see page 22.
- Anchoring set, see page 23.

V-Flow Economic fountain aerators

The motor technology is the same as the Pro series; this series has no large protective basket, and the square float is more visible at the water surface.

Type	Installation	Motor P2 kW	Voltage v / Hz	Fountain display			Cable	Diam. x height mm	Art. no.
				ø m	H max m	m3 / h			
V-Flow 37 FE	Floating	0,37	230 / 50	4,00	1,20	50	20	680 x 486	103192
V-Flow 60 FE	Floating	0,60	230 / 50	5,50	1,30	60	20	680 x 486	103193
V-Flow 75 FE	Floating	0,75	230 / 50	6,50	1,70	60	20	680 x 486	103190
V-Flow 110 FE	Floating	1,10	230 / 50	7,00	1,90	90	20	680 x 486	103191

V-Flow Economic



V-Flow Economic top view



No spotlights can be used with the Economic version.

Visibility	• • • • •
Wind-resistant	• • • • •
Noise level	• • • • •

- Pump control, see page 22.
- Anchoring set, see page 23.



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Scope of delivery and expansion options

Controls for pumps		
Description/function	Pump	Pump
Version	230 V	400 V
Pump		
20 m power cable for pump1	✓	✓
Pump control 230 V		
Capacitor cabinet with on/off isolator switch (except AT15/AT30/AT35)	✓	–
Expansion options, pump control 230 V		
Digital time switch for pump	Optional	–
Frequency controller for adjusting capacity / fountain height	Optional	–
Isolator switch, pump on 0 timer	Optional	–
Basic control, pump 400 V		
Control cabinet with motor-protection and isolator switch <i>on off</i>	–	Optional
Expansion options, pump control 400 V		
Digital time switch for pump	–	Optional
Isolator switch, pump <i>on 0 timer</i>	–	Optional
Frequency controller for adjusting capacity / fountain height	–	Optional

[illegible]

Controls for pump and lighting are combined in one control cabinet.

Controls for LED lighting		
LED lighting	Warm / White	RGBW
20 m power cable for light2	✓	✓
Basic control, LED lighting set, Primary 230 V or 400 V, secondary 24 V DC		
230 V: Transformer 230 / 24 V 400 V: The supply cable must be fitted with a neutral conductor (3 Ph-0-A); if present, the control is adapted accordingly	✓	✓
Remote control (Remote control)	Optional	✓ ¹
Dimming LED lighting	Optional	✓ ¹
Colour choice and colour change- RGBW programme	–	✓ ¹
Touchscreen RGBW (in control cabinet)	–	Optional
Selection table for time switch expansion for lighting		
Digital time switch for lighting	Optional	Optional
Timer with light sensor (on cabinet or external, with 5 metre cable)	Optional	Optional
Digital astro time switch (switches on at sunset)	Optional	Optional
Isolator switch for lighting on 0 timer	Optional	Optional

If a time switch is chosen for both pump and lighting, we install 1 combi time switch.

Basic version of control cabinet	Pump	Pump + lighting
Plastic, anthracite or grey, splash-proof, wall mounting	✓	✓
Version options for the control cabinet		
Lockable	Optional	Optional
Steel cabinet, splash-proof	Optional	Optional

[illegible]

Controls for pump and lighting are combined in one control cabinet.

Shore and bottom anchoring for floating pump sets

Shore anchoring set



Shore anchoring



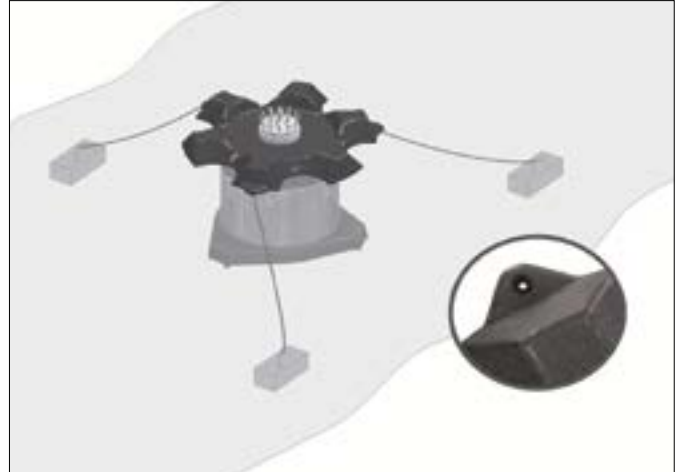
Type	SS cable length m	Material of ground pins	Length of ground pins mm	Art. no.
FS 304-30	30	SS 304	500	902591

Bottom anchoring for floating pump sets

Bottom anchoring set

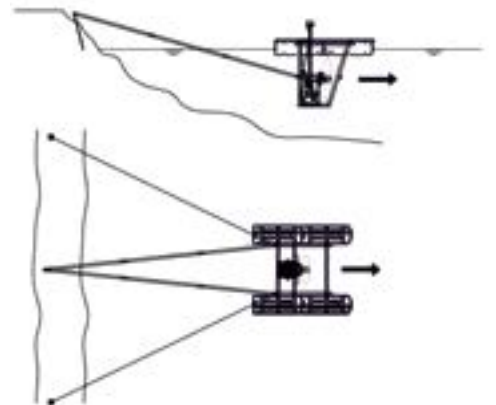
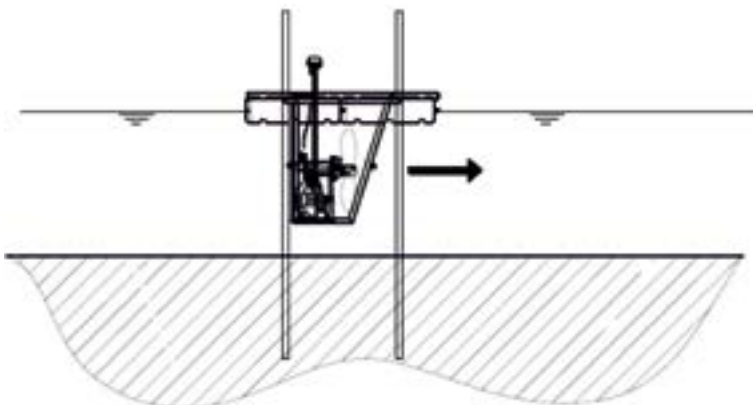


Bottom anchoring



Type	SS cable length m	Feet	Art. no.
Anchoring set FS BP-30	30	Plastic / concrete	902593

Anchoring example, Mega installations



AirTec air diaphragm pumps

Oxygen enrichment makes a major contribution to the well-being of fish and plants in private ponds and to the bacterial culture in filter systems, which convert organic substances. Also suitable as an ice-free keeper in ponds.

Type	Motor W	Voltage V / Hz	Motor cable m	Qmax l/h	Hmax m	Number stones	Hose m	L x W x H mm	Art. no.
AirTec Set 600	10	230 / 50	2	600	2	2	2 x 5	140 x 105 x 115	01C015
AirTec Set 1200	15	230 / 50	2	1200	2	2	2 x 5	180 x 145 x 145	01C012
AirTec Set 2400	30	230 / 50	2	2400	3	4	4 x 5	216 x 170 x 175	01C013

AirTec

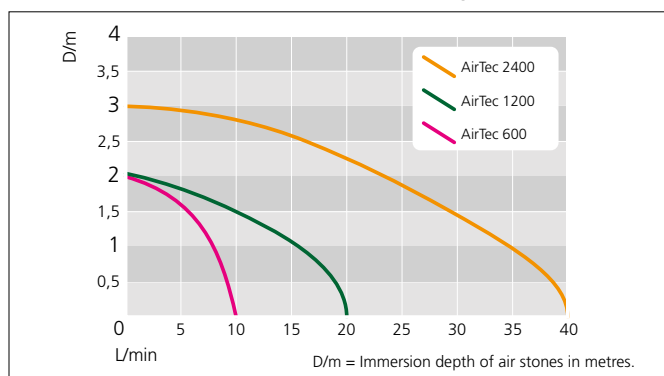


Applications

- Oxygen enrichment.
- Aeration.
- Degassing.

Technical information

- Suitable for outdoor installation.
- Low-noise operation.
- Complete set with hose, distributor and air stones.
- Plastic housing.



AirTec Pro air diaphragm pumps

Very solidly built air diaphragm pumps with aluminium housing, for oxygen supply in larger ponds, fish tanks and filter systems.

Type	Motor W	Voltage V / Hz	Motor-cable m	Q max l / h	H max m	Pump-connection ø mm	Distributor ø 19 mm		L x W x H mm	Art. no.
							ø hose conn.	Number		
AirTec Pro 3600	40	230 / 50	1,5	3600	3	19	4	4	270 x 200 x 200	103016
AirTec Pro 4800	50	230 / 50	1,5	4800	3,5	19	4	6	270 x 200 x 200	103018
AirTec Pro 6000	60	230 / 50	1,5	6000	3,5	19	4	6	270 x 200 x 200	103021

AirTec Pro

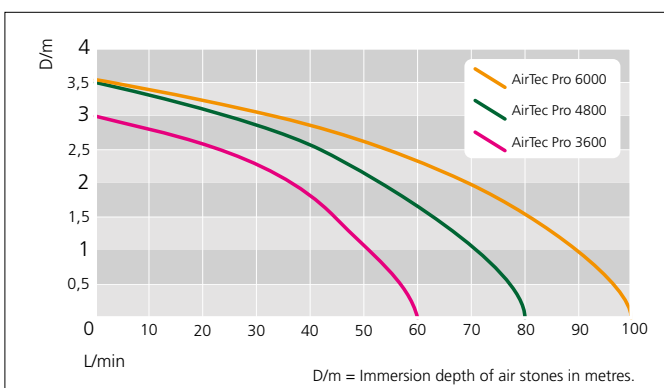


Applications

- Oxygen enrichment.
- Aeration.
- Degassing.

Technical information

- Suitable for outdoor installation.
- Low-noise operation.
- Incl. distributor.
- Aluminium housing.





HI-OXY air stones, balls and discs

High-quality grey/blue air stones; the special production process creates many extra pores which create an air flow with fine air bubbles.

Type	Dimension ø cm	Capacity l / h	Connection ø mm	Art. no.
HI-Oxy ball	5	120	8 / 4	903005



Type	Dimension ø x L cm	Capacity l / h	Connection ø mm	Art. no.
HI-Oxy cylinder	3 x 13	240	8 / 4	903007
HI-Oxy cylinder	5 x 20	1000	8 / 4	903008



Type	Dimension ø cm	Capacity l / h	Connection ø mm	Art. no.
HI-Oxy disk	10,7	250	8 / 4	903009
HI-Oxy disk	20	1500	9	903010



Type	Dimension l x ø cm	Capacity max. l / h	Connection ø mm	Art. no.
Airtube SS	24 x 3	2500	6	903015



NITTO piston air pumps

NITTO piston pumps have proven themselves through their high quality and low-noise operation. The piston system has better efficiency and a longer service life than diaphragm air pumps.

Type	Motor W	Voltage v/Hz	Optimum operating point		Connection mm	Dimension L x W x H mm	IP	Art. no.
			l/h	H/m				
LA-60 B*	64	230 / 50	3600	1,5	18	305 x 214 x 188	54	103030
LA-800 B*	86	230 / 50	4800	1,5	18	305 x 214 x 188	54	103031
LA-100 A	100	230 / 50	6400	1,8	26	407 x 210 x 232	55	103032
LA-120 A	130	230 / 50	7800	1,8	26	407 x 210 x 232	55	103033

* The B series has a better performance curve with a higher maximum working pressure compared to the E (Economic) models in the NITTO range.

NITTO piston air pump



To ensure a long service life, it is important to stay within the range of the optimum operating point. Higher back-pressures, caused by long pipes or hoses or small-diameter pipes or hoses, can cause faster wear of the piston. Installing a pressure gauge at the outlet opening is therefore recommended.



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Further developments and technical subject to change.

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