Amazing Water

Purifying
Moving
Designing
Vitalising
Lighting
Installation

Fountain technology

Programme and technical specifications 2024

AUGA
AmazingWater

WATER DESIGNING

Project fountains.

Aeration fountains.

Floating fountains.

Fountains have been beautifying ponds in cities, parks and private gardens since time immemorial. They are not only a very attractive sight, but also contribute to improving water quality.

The AUGA programme consists of 'plug & play' fountains and project technology, customised systems, fully tailored to the customer's wishes.

Illuminated fountains.

public fountains.

AUGA AmazingWater

FIXED FOUNTAIN SETS

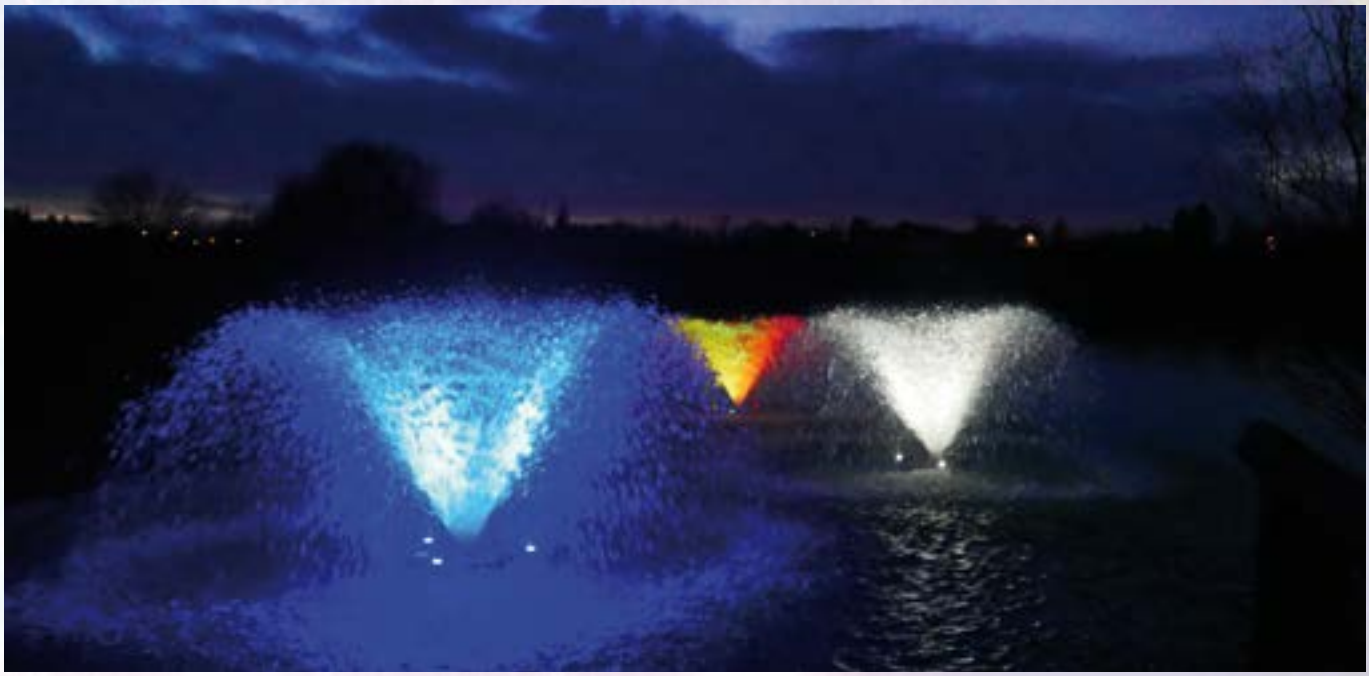
Fixed sets are mainly used in shallow water features on a stable bottom. The fountain sets are fitted with a large pump strainer so that the pump and fountain head do not clog up too quickly. A separate system in which pump technology and possibly filter technology is included in a pump basement is also an option.

FLOATING FOUNTAIN SETS

The solution for deep ponds and those with a fluctuating water level, as well as for shallow ponds with a highly unstable bottom.

AERATION FOUNTAINS

An aeration fountain has a special propeller pump that displaces vast volumes of water and mixes it with oxygen.
The main function is the circulation and vitalisation of standing water. An aeration fountain also plays an aesthetic role.



ILLUMINATED FOUNTAINS

A fountain offers so much added value and pleasure when it is illuminated during evening hours. Current LED technology is extremely economical and sustainable, and besides white the RGB model is available in all conceivable colours and can be programmed.

WATER FORMATION

Completely assembled fountains for ponds and large water features in many varieties. With LED lighting in White or Multi-Colour, the appeal of a fountain is further enhanced in the evening hours.

Floating and fixed fountain sets

AUGA
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Floating fountain sets AT 15 F

The AT 15 F series is suitable for ponds from 80 cm water depth. The large suction basket protects pump and fountain head from soiling and reduces cleaning intervals. The base plate is fitted with a ballast weight for high stability of the fountain in the water.

AT 15 FV volcanic nozzle

AT 15 FV with LED lighting

Volcano nozzle

Cluster nozzle

Model	Fountain head	Jets		Fountain height*		Art. no.
		Number	ø mm	H max m	ø max m	
AT 15 FV	Volcano nozzle	19	2	2,70**	1.35	104128
AT 15 FC	Cluster nozzle	12	3	2.90	0.60	104125

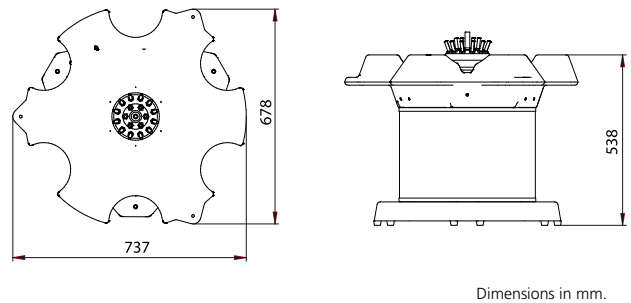
	Volcano nozzle	Cluster nozzle
Visibility	● ● ● ○ ○	● ● ● ● ○
Wind resistance	● ● ○ ○ ○	● ● ● ○ ○
Noise level	● ● ○ ○ ○	● ● ● ○ ○

* Tolerances in the specified fountain heights and diameters are possible.
** Middle jet.

Floating fountain sets AT 15 F

Compact, floating fountain set. High-quality finish and even fountain appearance.

Dimension drawing AT 15 F



Dimensions in mm.

Design

- Complete assembled floating fountain.
- Large stainless steel suction basket keeps fountain head and pump free of soiling.
- Bottom plate with ballast weight, for stable fountain appearance.
- Choice of Volcano or cluster fountain.
- Lighting optional with LED, White or RGBW.

Technical details for the integrated pump

- Fountain not adjustable in height.
- 230 V pump with 20-metre power cable.
- 140 W PM motor.
- Alternative; with adjustable 230 W pump for fountain height adjustment.

Floodlights selection table (optional)

Type	Number per set	Power consumption Watt	Power cable length m	Light source Kelvin	Art. no.
LSX 9-3 WW	3	3 x 9	20	LED warm white 3000 K.	104044
LSX 12-3 RGBW	3	3 x 12	20	LED RGBW	104045

Composition LSX floodlight set

Warm White

- 3 LED floodlights Warm White.
- Per floodlight fitted with 1.5-metre power cable.
- Cable box to which 3 floodlight cables and 1 main power cable is fitted.
- Cable box waterproofed cast in synthetic resin.
- Main power cable 20 metres.
- Plastic transformer box incl. main power cable 1.5 metres with plug (230V).

RGBW

- 3 LED floodlights RGBW.
- Per floodlight fitted with 1.5-metre power cable.
- Cable box to which 3 floodlight cables and 1 main power cable is fitted.
- Cable box waterproofed cast in synthetic resin.
- Main power cable 20 metres.
- Plastic transformer box incl. main power cable 1.5 metres with plug (230V).
- Built-in RGBW Controller with receiver.
- Remote control for colour selection, colour change and colour change rate.

Optional:

- Extension control for pump and lighting see page 32.
- Anchoring sets see page 33.

Fixed fountain sets series AT 15 S

For shallow water basins and ponds, fixed fountain sets are the best choice. Levelling with 3 levelling feet on the base plate is very easy. With these fountain sets there are many choices of different fountain forms which are not suitable for floating fountains such as full-jet and foam jets, because single-jet fountains can move with floating fountains.

AT 15 S with LSX-Fix light kit

AT 15 S with LSX floodlight set

Model	Fountain head	Jets		Fountain height*		Art. no.
		Number	ø mm	H max m	ø max m	
AT 15 SV	Volcano nozzle	19	2	2,70**	1.35	104132
AT 15 SC	Cluster nozzle	12	3	2.90	0.60	104131
AT 15 SS	Foam nozzle	1	32	1.20	–	104133
AT 15 SW	Water bell	1	–	0.45	1.25	104127

	Volcano nozzle	Cluster nozzle	Foam nozzle	Water bell
Visibility	●●●○○	●●●●○	●●●●○	●●●○○
Wind resistance	●●○○○	●●●○○	●●●○○	●●○○○
Noise level	●●○○○	●●●○○	●●●○○	●○○○○

* Tolerances in the specified fountain heights and diameters are possible.
** Middle jet.

Volcano nozzle

Foam nozzle

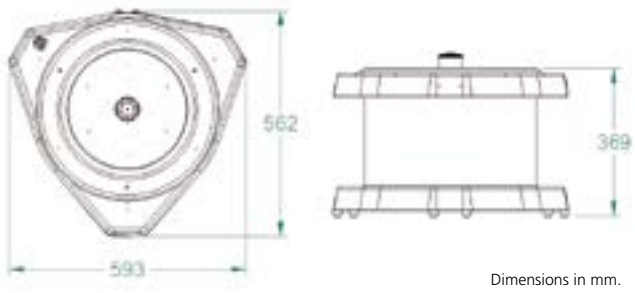
Cluster nozzle

Water bell

Fixed fountain sets series AT 15 S

Installation in shallow ponds from 40 cm water depth on a stable bottom.

Dimension drawing AT 15 S



Dimensions in mm.

Design

- Completely assembled, fixed fountain set.
- Large, stainless steel suction basket keeps fountain head and pump free of soiling.
- Fountain set suitable for all types of fountain heads.
- Lighting optional with LED, White or RGBW.

Technical details for the integrated pump

- Fountain not adjustable in height.
- 230 V pump with 20-metre power cable.
- 140 W PM motor.
- Alternative; with adjustable 230 W pump for fountain height adjustment.

Floodlights selection table (optional)

Type	Number per set	Power consumption Watt	Power cable length m	Light source Kelvin	Art. no.
LSX 9-3 WW	3	3 x 9	20	LED warm white 3000 K.	104044
LSX 12-3 RGBW	3	3 x 12	20	LED RGBW	104045
Light holder LSX-Fix for lighting single-jet fountains					FT51147

Composition LSX floodlight set

Warm White

- 3 LED floodlights Warm White.
- Per floodlight fitted with 1.5-metre power cable.
- Cable box to which 3 floodlight cables and 1 main power cable is fitted.
- Cable box waterproofed cast in synthetic resin.
- Main power cable 20 metres.
- Plastic transformer box incl. main power cable 1.5 metres with plug (230V).

RGBW

- 3 LED floodlights RGBW.
- Per floodlight fitted with 1.5-metre power cable.
- Cable box to which 3 floodlight cables and 1 main power cable is fitted.
- Cable box waterproofed cast in synthetic resin.
- Main power cable 20 metres.
- Plastic transformer box incl. main power cable 1.5 metres with plug (230V).
- Built-in RGBW Controller with receiver.
- Remote control for colour selection, colour change and colour change rate.

Optional:

- Extension control for pump and lighting see page 32.

Floating fountain sets AT 30 F and AT 35 F

Powerful fountains for medium-sized ponds. Robust and even fountain appearance. Large stainless steel suction basket prevents contamination of pump and fountain head. Flat, stable float, barely visible on the water surface. Suitable for water depths from 125 cm.

Model	Fountain head	Jets		Fountain height*		Art. no.
		Number	ø mm	H max m	ø max m	
AT 30 FV	Volcano nozzle	19	4.7/5.0**	4.00	3.00	104162
AT 30 FR	Ring nozzle	12	6	4.00	2.50	104168
AT 35 FV	Volcano nozzle	19	4.7/5.0**	5.00	3.60	104164
AT 35 FR	Ring nozzle	12	6	5.00	3.00	104170

Fountain set AT 30 F

Fountain set AT 35 F with LED lighting

Volcano nozzle

Visibility	● ● ● ● ●
Wind resistance	● ● ● ○ ○
Noise level	● ● ● ○ ○

Ring nozzle

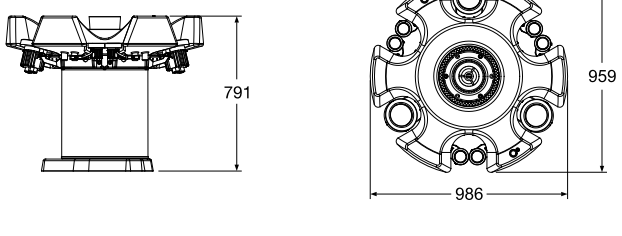
Visibility	● ● ● ● ●
Wind resistance	● ● ● ○ ○
Noise level	● ● ● ○ ○

* Tolerances in the specified fountain heights and diameters are possible.
** Middle jet.

Floating fountain sets series AT 30 F and AT 35 F

These fountain sets are ideally suited to larger water depths or ponds with a fluctuating water level.

Dimension drawing AT 30 F and 35 F



Dimensions in mm.

Design

- Fully assembled set with fountain head.
- Stable, practically invisible float.
- Large, stainless steel suction basket keeps fountain head and pump free of soiling.
- Floater suitable for multi-jet fountain heads.
- Lighting optional with LED White or RGBW.

Technical details for the integrated pumps

- 230 V pump with 20-metre power cable.
- Power consumption AT 30 500 W.
- Power consumption AT 35 700 W.
- Fountain height adjustable with VarioTronic socket regulator.

Floodlights selection table (optional)

Type	Number per set	Power consumption Watt	Power cable length m	Light source Kelvin	Art. no.
LSX 18-3 WW	3	3 x 18	20	LED warm white 3000 K.	104042
LSX 24-3 RGBW	3	3 x 24	20	LED RGBW	104043

Composition LSX floodlight set

Warm White

- 3 LED floodlights Warm White.
- Per floodlight fitted with 1.5-metre power cable.
- Cable box to which 3 floodlight cables and 1 main power cable is fitted.
- Cable box waterproofed cast in synthetic resin.
- Main power cable 20 metres.
- Plastic transformer box incl. main power cable 1.5 metres with plug (230V).

RGBW

- 3 LED floodlights RGBW.
- Per floodlight fitted with 1.5-metre power cable.
- Cable box to which 3 floodlight cables and 1 main power cable is fitted.
- Cable box waterproofed cast in synthetic resin.
- Main power cable 20 metres.
- Plastic transformer box incl. main power cable 1.5 metres with plug (230V).
- Built-in RGBW Controller with receiver.
- Remote control for colour selection, colour change and colour change rate.

Optional:

- Extension control for pump and lighting see page 32.
- Anchoring sets see page 33.

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Fixed fountain sets AT 30 S and AT 35 S

Fixed fountain sets are easy to place on a flat and stable surface in shallower ponds and basins. The large stainless steel suction basket prevents contamination of the fountain head.

AT 35 S with LSX-Fix floodlight set

AT 35 S with LSX floodlight set

Model	Fountain head	Jets		Fountain height*	
		Number	ø mm	H max m	ø max m
AT 30 SV	Volcano nozzle	19	4.7/5.0**	4.00	3.00
AT 35 SV	Volcano nozzle	19	4.7/5.0**	5.00	3.60
AT 30 SR	Ring nozzle	12	6	4.00	2.50
AT 35 SR	Ring nozzle	12	6	5.00	3.00
AT 30 SS/75	Foam nozzle	1	75	1.50	
AT 30 SS/50	Foam nozzle	1	50	2.50	
AT 35 SS/75	Foam nozzle	1	75	2.00	
AT 35 SS/50	Foam nozzle	1	50	3.50	
AT 35 SC	Cluster	1	30 x 6	2.00	
AT 30 SV/25	Full jet	1	25	3.00	
AT 30 SV/19	Full jet	1	19	5.00	
AT 30 SV/16	Full jet	1	16	6.00	
AT 35 SV/25	Full jet	1	25	5.00	
AT 35 SV/19	Full jet	1	19	6.00	
AT 35 SV/16	Full jet	1	16	7.00	
AT 30 SCA/125	Cascade[3]	1	125	1.00	
AT 30 SCA/100	Cascade[3]	1	100	2.00	
AT 35 SCA/125	Cascade[3]	1	125	2.50	
AT 35 SCA/100	Cascade[3]	1	100	3.00	

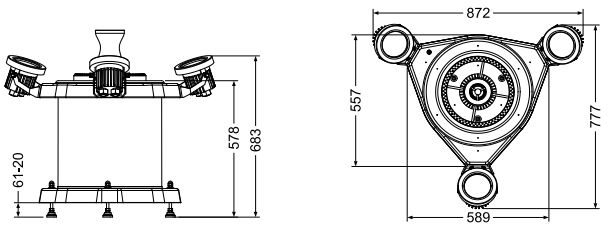
* Tolerances in the specified fountain heights and diameters are possible.
** Middle jet.

[3] = Cascade fountains only work with a fixed water level.

Fixed fountain sets series AT 30 S and AT 35 S

Easily handled, completely assembled fountain sets. Levelling with 3 levelling feet on the base plate is very easy. Set-up on a stable base for water depths from 60 cm.

Dimension drawing AT 30 S and 35 S



Dimensions in mm.

Design

- Fully assembled set with fountain head.
- Large, stainless steel suction basket keeps pump and fountain head free of soiling fouling.
- Lighting optional with LED White or RGBW.
- Fountain set suitable for all types of fountain heads.

Technical details for the integrated pump

- 230 V pump with 20-metre power cable.
- Power consumption AT 30 500 W, AT 35 700 W.
- Fountain height adjustable with VarioTronic socket regulator.

	Volcano nozzle	Ring nozzle	Foam nozzle	Cluster	Full jet	Cascade
Visibility	● ● ● ● ○	● ● ● ● ○	● ● ● ● ●	● ● ● ● ○	● ● ● ○ ○	● ● ● ● ●
Wind resistance	● ● ● ○ ○	● ● ● ○ ○	● ● ● ● ○	● ● ● ● ○	● ● ● ● ○	● ● ● ● ●
Noise level	● ● ● ○ ○	● ● ● ○ ○	● ● ● ● ○	● ● ● ● ●	● ● ● ○ ○	● ● ● ○ ○

Floodlights selection table (optional)

Type	Number per set	Power consumption Watt	Power cable length m	Light source Kelvin	Art. no.
LSX 18-3 WW	3	3 x 18	20	LED warm white 3000 K.	104042
LSX 24-3 RGBW	3	3 x 24	20	LED RGBW	104043
Light holder LSX-Fix for lighting single-jet fountains					FT51147

Composition LSX floodlight set

Warm White

- 3 LED floodlights Warm White.
- Per floodlight fitted with 1.5-metre power cable.
- Cable box to which 3 floodlight cables and 1 main power cable is fitted.
- Cable box waterproofed cast in synthetic resin.
- Main power cable 20 metres.
- Plastic transformer box incl. main power cable 1.5 metres with plug (230V).

RGBW

- 3 LED floodlights RGBW.
- Per floodlight fitted with 1.5-metre power cable.
- Cable box to which 3 floodlight cables and 1 main power cable is fitted.
- Cable box waterproofed cast in synthetic resin.
- Main power cable 20 metres.
- Plastic transformer box incl. main power cable 1.5 metres with plug (230V).
- Built-in RGBW Controller with receiver.
- Remote control for colour selection, colour change and colour change rate.

Optional:

- Extension control for pump and lighting see page 32.

Cluster nozzle

Foam water jets

Ring nozzle

Solid stream nozzle

Cascade

Volcano nozzle

Fountain sets ATF for large water features in floating or fixed design

The ATF fountain sets are used in larger ponds, where visibility from a distance and a correct ratio of fountain to water surface are important considerations.

Fountain sets for floating installation, pump vertical

- Water depth: minimum 150 cm.
- Only suitable for multi-jet fountain heads.

Fountain sets with triangle floating system, pump vertical

- Water depth: minimum 150 cm.
- Suitable for high single-beam fountains.
- High buoyancy stability.

Fountain sets with triangular flotation system, pump horizontal

- Water depth: minimum 100 cm.
- Suitable for all types of fountain heads.
- High floating stability.

Fountain sets for fixed installation

- Water depths from 75 cm.
- Suitable for all types of fountain heads.

Fountain sets ATF for large water features, with multi-jet fountain image

The construction method for these large fountain sets is tailored to the water project; floating or fixed, pump vertical or mounted horizontally. Depending on the available water depth and conditions, such as water level fluctuation and the individual customer requirements.

Volcano nozzle

Visibility	● ● ● ● ○
Wind resistance	● ● ● ○ ○
Noise level	● ● ● ○ ○

Ring-2 nozzle

Visibility	● ● ● ● ○
Wind resistance	● ● ● ○ ○
Noise level	● ● ● ○ ○

Ring nozzle

Visibility	● ● ● ● ○
Wind resistance	● ● ● ○ ○
Noise level	● ● ● ○ ○

* Tolerances in the specified fountain heights and diameters are possible.
** Middle jet.

Model	Motor kW	Fountain form	Jets		Fountain height*	
			Number	ø mm	H max m	ø max m
Ring nozzle						
ATF 30/1	1.10	Ring	12	8	4.00	6.00
Ring-2 nozzle						
AT 16/1	0.55	Ring-2	12	8	5.00	4.00
Volcano nozzle						
ATF 30/1	1.10	Volcano	19	1 x 12/18 x 8	5.00**	4.30
ATF 45/2BB	2.20	Volcano	19	1 x 12/18 x 8	8,00**	7.00

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Fountain sets ATF for large water features, with single-jet fountain form

The choice of single-jet fountains is vast; from elegant full-water jet to massive cascade fountain. The cascade and foam jet fountains mix water with air creating a "white water" effect for high visibility. The Cluster nozzle and full-water nozzle are full-water jets.

The floating version is built with a triangle float for high stability of the fountain form in the water.

Cascade

Foam nozzle

Cluster

Full jet

Model	Motor kW P2	Fountain form	Jets		Fountain height*
			Number	ø mm	H max m
Cascade Operates depending on water level. Mixes water with air and gives a voluminous and elegant fountain appearance. Only suitable for floating fountain sets or pools with fixed water level.					
AT 16/1	0.55	Cascade	1	100	4.00
ATF 16/2	1.10	Cascade	1	100	6.00
ATF 30/1	1.10	Cascade	1	125	4.00
ATF 30/2	2.20	Cascade	1	125	7.00
ATF 30/1	1.10	Cascade	1	150	3.00
ATF 45/2BB	2.20	Cascade	1	150	4.00
ATF 45/2	3.00	Cascade	1	150	6.00
Foam nozzle Mixes water with air and gives a voluminous, formal fountain appearance.					
ATF 30/1	1.10	Foam nozzle	1	75	3.00
ATF 45/1	2.20	Foam nozzle	1	75	4.00
ATF 45/2BB	2.20	Foam nozzle	1	75	5.00
Cluster 30 full-water jets form a massive eye-catching water column.					
ATF 30/1	1.10	Cluster	1	30 x 6	4.00
Solid jet Clear full-water jet, high fountain appearance with low pumping power.					
ATF 30/1	1.10	Full jet	1	25	7.00
ATF 45/2BB	2.20	Full jet	1	25	10.00
ATF 45/2BB	2.20	Full jet	1	30	7.00
ATF 45/2	3.00	Full jet	1	30	10.00
ATF 60/2	2.20	Full jet	1	40	6.00

Fountain sets ATF for large water features, with single-jet fountain form

	Foam nozzle	Cluster	Full jet	Cascade
Visibility	● ● ● ● ●	● ● ● ● ○	● ● ● ● ○	● ● ● ● ●
Wind resistance	● ● ● ● ○	● ● ● ● ○	● ● ● ○ ○	● ● ● ● ●
Noise level	● ● ● ● ●	● ● ● ● ●	● ● ● ○ ○	● ● ● ● ●

* Tolerances in the specified fountain heights are possible.

Technical data fountain sets ATF 16 - 30 - 45 - 60

Technical data pump

- Industrial underwater pump.
- Made entirely of stainless steel 304.
- Large stainless steel suction basket for reduced cleaning intervals.

Electrical data

- Connection voltage up to 1.10 kW: 230 V 1 Ph, or 400 V 3 Ph. (50 Hz)
- Connection voltage from 2.20 kW: 400 V 3 Ph. (50 Hz)
- 20-metre power cable, can be extended on request.
- 230 V version incl. starter box with motor protection.
- 400 V version control box optional.

LED floodlights LSX series, quality is the benchmark

LSX LED floodlights are professional underwater spotlights for illuminating fountains. The high quality of these floodlights translates into a long service life, high light output and low power consumption. The programme includes floodlights from 9 W up to 72 W in Warm White 3000 K and RGBW Multi-colour.

LSX 18

LSX 54

Composition LSX floodlight set

Warm White

- 3 LED floodlights Warm White.
- Per floodlight fitted with 1.5-metre power cable.
- Cable box to which 3 floodlight cables and 1 main power cable is fitted.
- Cable box waterproofed cast in synthetic resin.
- Main power cable 20 metres.
- Transformer in transformer box or built into main control box.

RGBW

- 3 LED floodlights RGBW.
- Per floodlight fitted with 1.5-metre power cable.
- Cable box to which 3 floodlight cables and 1 main power cable is fitted.
- Cable box waterproofed cast in synthetic resin.
- Main power cable 20 metres.
- Transformer in transformer box or built into main control box.
- Built-in RGBW Controller with receiver.
- Remote control for colour selection, colour change and colour change rate.

Optional:

- Extension control for pump and lighting see page 32.
- Anchoring sets see page 33.

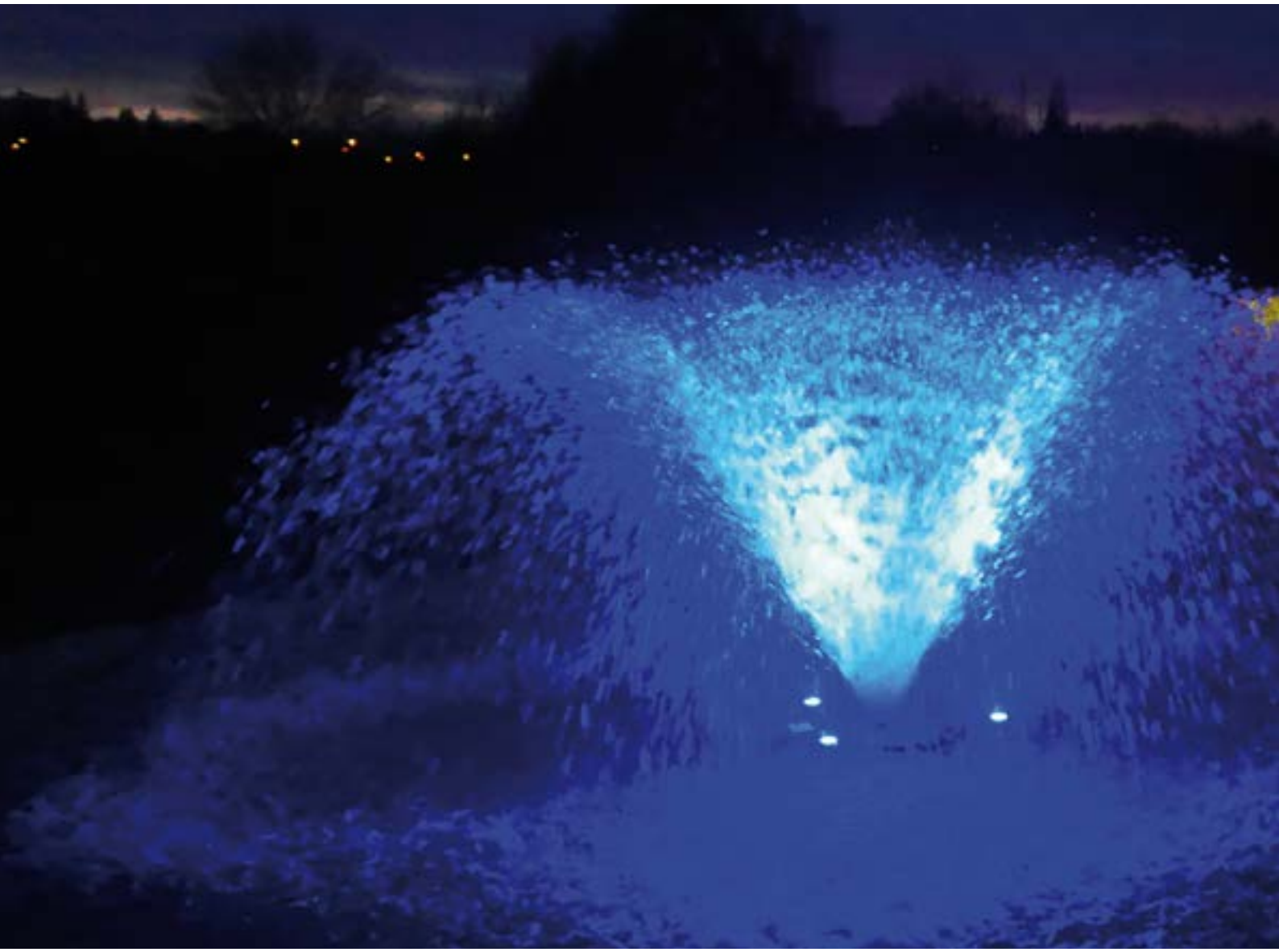
Unlimited possibilities with fountain technology

The choice of fountain patterns is virtually limitless. It is even possible to tailor patterns to the customer's wishes. AUGA provides project engineering for private, commercial and recreational projects. Advice and guidance are a matter of course.

Light and water: an excellent duo

No fountain without lighting! Light and water are a wonderful duo. We always use LED technology. It is not only extremely economical with regard to energy consumption, but also extremely versatile in terms of colours, colour changes and colour programmes.

WATER FORMATION



Fountain aerators increase oxygen levels in the water and reduce the temperature of surface water, thereby combating algae formation.

The voluminous fountain form is a wonderful eye-catcher in larger (natural) ponds, which is further enhanced in the evening with LED lighting.

Propeller pumps are highly insensitive to soiling.

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Floating fountain aerators

AUGA
AmazingWater

V-Flow Pro Fountain Aerators

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

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

V-Flow Pro

Propeller impeller, dirt-insensitive

Type	Configuration	P2 motor kW	Voltage V/Hz	Fountain form			Cable	Diam. x height mm	Art. no.
				ø m	H max m	m³/hour			
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

RGBW lighting

Floodlights selection table (optional)

Type	Number per set	Power consumption	Light source	Art. no.
LS 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 resistance	● ● ● ● ●
Noise level	● ● ● ● ●

- Control pump and floodlights, see page 32
- Anchoring set, see page 33

V-Flow Pro Fountain Aerators

Powerful fountain aerator equipped with highly efficient and energy-efficient 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	Configuration	P2 motor kW	Voltage V/Hz	Fountain form			Cable	Diam. x height mm	Art. no.
				ø m	H max m	m³/hour			
V-Flow Pro 220 F	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.
- Oxygenation.
- Temperature reduction surface water.
- Algae control.

Technical information V-Flow Pro

- 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 as protection against large components (wood, plastic, etc.) and protection for fish.
- Flat, inconspicuous float.

Technical data V-Flow Pro 220 F

- Delivery includes frequency converter for manual adjustment of the fountain height capacity.
- Version IP 20 for installation in a main control cabinet.
- Version IP 65 for outdoor installation, without further pump/light control.

Frequency inverter IP 65

The V-Flow Pro 220 F is equipped with a PM motor (permanent DC motor). The motor is controlled by the frequency controller supplied, this allows the motor speed - and fountain height - to be changed as required.

Floodlights selection table (optional)

Type	Number per set	Power consumption	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 resistance	● ● ● ● ●
Noise level	● ● ● ● ●

- Control pump and floodlights, see page 32.
- Anchoring set, see page 33.

V-Flow Economic Fountain aerators

The motor technology is similar to the Pro series, in this series there is no large protective basket, the square float is more visible on the surface of the water.

Type	Configuration	P2 motor kW	Voltage V/Hz	Fountain form			Cable	Diam. x height mm	Art. no.
				ø m	H max m	m³/hour			
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 floodlights are applicable in the Economic version.

Visibility	● ● ● ● ●
Wind resistance	● ● ● ● ●
Noise level	● ● ● ● ●

- Control pump, see page 32.
- Anchoring set, see page 33.


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Scope of delivery and expansion options

Control units for pumps

Description/function	Pump	Pump
Design	**230 V**	**400 V**
Pump		
20 m power cable for pump[1]	✔	✔
Pump control 230 V		
Capacitor box with on/off operating switch (except AT15/AT30/AT35)	✔	–
Extension options pump control 230 V		
Digital timer for pump	Optional	–
Frequency converter for adjustment capacity/fountain height	Optional	–
Working switch pump ***on | 0 | timer***	Optional	–
Basic control pump 400 V		
Control box with motor protection and working switch ***on | off***	–	Optional
Expansion options for pump control 400 V		
Digital timer for pump	–	Optional
Working switch pump ***on | 0 | timer***	–	Optional
Frequency converter for adjustment capacity/fountain height	–	Optional

✔ = Included with delivery.
[1] = Extension of power cable possible.

Controls for pump and lighting are merged in one control box.

Controllers for LED lighting

LED lighting	Warm/White	RGBW
20 m power cable for light[2]	✔	✔
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 have a 0 line (3 Ph-0-A) if present, control is adjusted accordingly	✔	✔
Remote control. (Remote control)	Optional	✔ [1]
Dimming LED lighting	Optional	✔ [1]
Colour choice and colour change RGBW programme	–	✔ [1]
Touchscreen RGBW (in control box)	–	Optional
Selection table extension timers for lighting		
Digital timer for lighting	Optional	Optional
Timer with light sensor (on cabinet or external, with 5-metre cable)	Optional	Optional
Digital Astro time clock (switches on at sunset)	Optional	Optional
Working switch for lighting ***on | 0 | timer***	Optional	Optional

If a timer is chosen for pump and lighting, we build in 1 combination timer.

Basic control unit	Pump	Pump + lighting
Plastic, anthracite or grey, splash-proof, wall-mounted	✔	✔
Choice of control unit version		
Lockable with lock	Optional	Optional
Steel housing, splashproof	Optional	Optional

✔ = Included with delivery.
[1] = Remote control up to max 20 m, without obstacles.
[2] = Extension of power cable possible.

Controls for pump and lighting are merged in one control box.

Shore and bottom anchoring for floating pump sets

Bank anchor kit

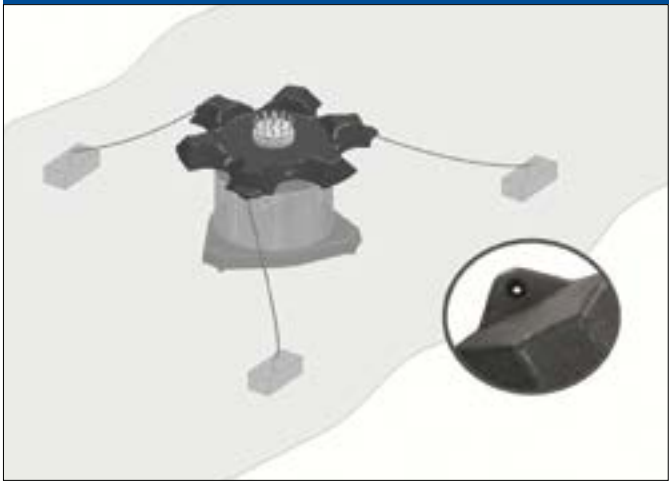
Bank anchoring

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

Ground anchor for floating pump sets

Ground anchor set

Ground anchor



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

Technical information and guidelines for fountain sets

1. Wind
Fountain patterns can be affected by wind. When planning a fountain, take the local conditions into account.

2. Natural water features
Stunning locations for fountains, floating fountains are preferable because the water level can vary significantly. Additional points for concern are water quality and the soil condition.

3. Water quality
The installations specified in this catalogue are made from stainless steel 304 and plastic, for use in fresh water. Other materials must be chosen for applications in seawater or brackish water.

The water quality must be decent, so avoid installing a fountain in the vicinity of aquatic plants. Floating systems must be positioned at a safe distance from the bottom of the water to prevent sediment or sand being sucked up.

Position stationary fountain sets on a stable, solid surface. Avoid the possibility of sand and dirt being sucked up.

4. Maintenance
Maintenance for fountain sets depends entirely on the conditions in which an installation operates.

Natural water.
All fountain sets are fitted with a pump strainer with fine-mesh perforation which prevents soiling at the fountain head. Natural water is home to many micro-organisms that would attach or become attached to the pump strainer and could grow so much over time that the flow capacity is reduced as a result.

If no regular maintenance is performed this could end up damaging the pump. Cleaning the pump strainer is generally sufficient. Thorough cleaning is recommended on an annual basis and extends the installation's lifespan.

The V-Flow fountain sets are suitable for contaminated natural water, because the entire set's construction is designed for this scenario.

Regular cleaning of the glass lighting covers ensures continued optimal lighting.

Water in artificial basins.
The level of contamination is lower in this case than in natural water, but regular inspection of the pump strainer is recommended. If purification systems are used, it is important they are consistent with the types of materials used for the installations.

5. Winter
The power of ice can cause serious damage to an installation, if there is a risk of freezing remove the installation from the water, clean it and store it dry/frost free.

6. Electrical requirements
Power cables must be calculated in relation to the pump and lighting used. Voltage drops resulting from supply cables that are too thin/too long may cause damage to the system as a whole.

An installation must be connected in accordance with the legal requirements; an approved installer may be required depending on the type of installation and type of power used.

For installations that are placed in water that is accessible to the public the local requirements must be requested from the municipality concerned.

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