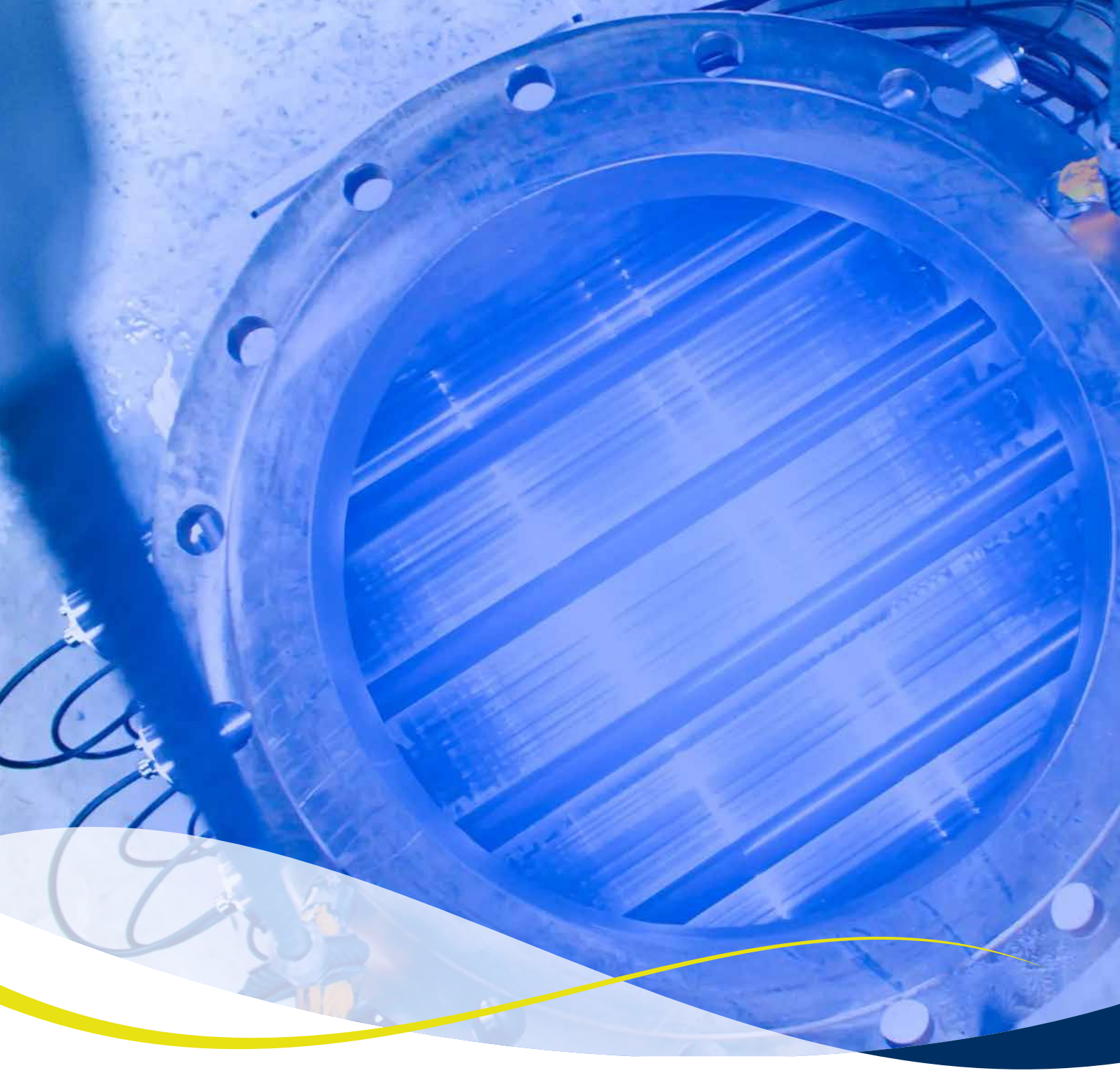

AquaCulture UV System

The Solution for Pathogen Control and Marine Biology Safety

AquaCulture

DESMI
Make life flow

Safeguarding your fish and your business

Protecting fish stocks from disease is essential for maintaining stable operations, supporting fish welfare, and ensuring long-term profitability.

In modern aquaculture, intake water represents one of the most important biosecurity barriers. DESMI AquaShield UV systems are designed to reduce pathogen and virus pressure before water enters the facility, helping operators minimise biological risk while meeting regulatory requirements.

Built on validated minimum-dose control technology, DESMI AquaShield is approved by the Norwegian Veterinary Institute (NVI) for intake water treatment. Drawing on decades of experience in both aquaculture and ballast water treatment, DESMI delivers robust UV solutions that meet today's operational demands while supporting future biosecurity requirements.

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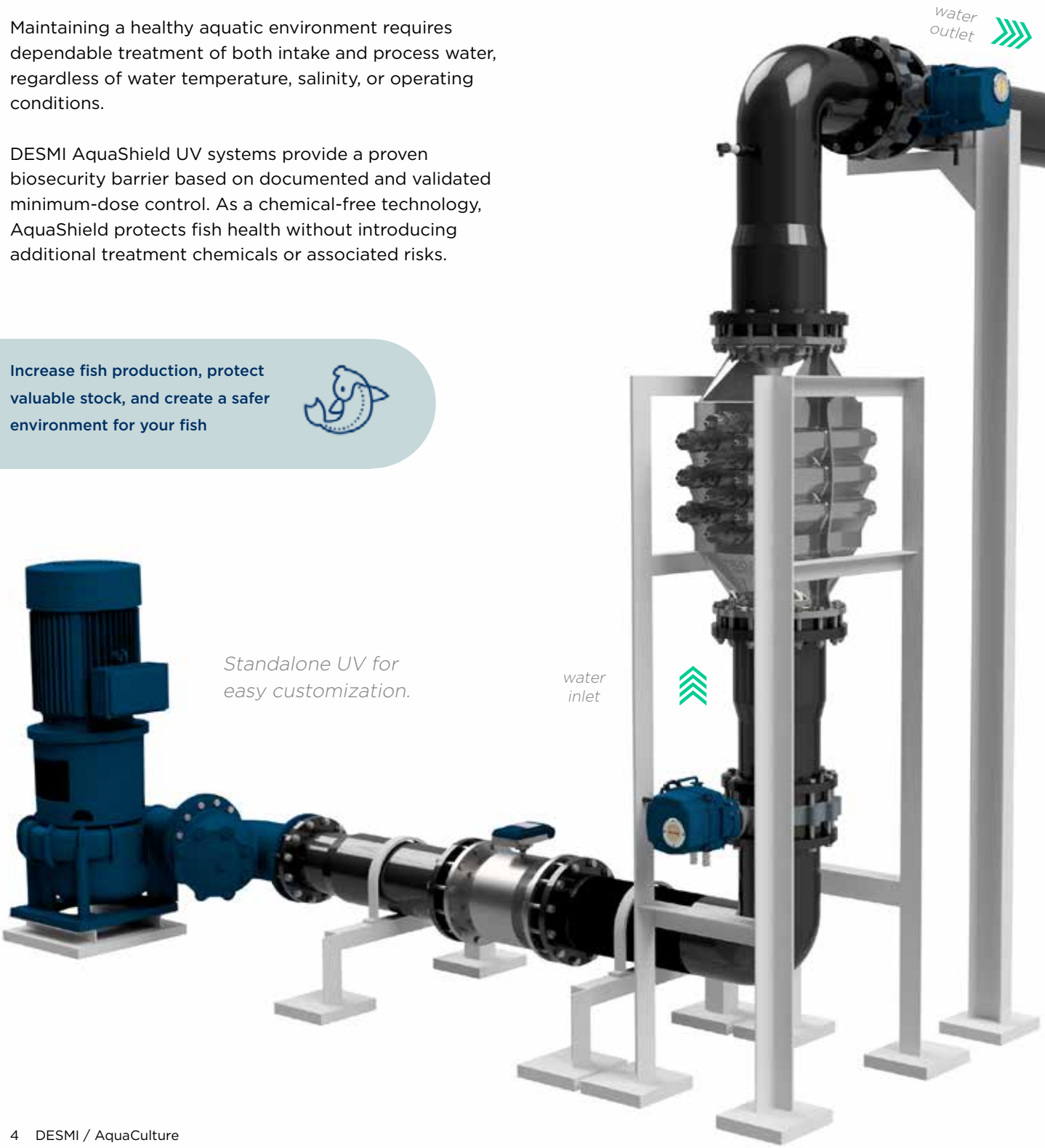
Create a safer environment for your fish

The AquaShield Concept

Maintaining a healthy aquatic environment requires dependable treatment of both intake and process water, regardless of water temperature, salinity, or operating conditions.

DESMI AquaShield UV systems provide a proven biosecurity barrier based on documented and validated minimum-dose control. As a chemical-free technology, AquaShield protects fish health without introducing additional treatment chemicals or associated risks.

Increase fish production, protect valuable stock, and create a safer environment for your fish



Key Benefits

Easy installation and maintenance, and can be skid-mounted

Chemical-free UV virus barrier for intake water

Compatible with Auto-filter and Auto-Cleaning

Automatic dose control for safety and efficiency

Full IoT monitoring and alarm notifications

**Depending on UV-T and Target UV Dose.*

Full packaged SKID solution includes integrated filtration and auto CIP.

Flexible UV solutions for all aquaculture applications

Product Range & Standard Solutions

AS Series

Designed for intake water applications with challenging water quality conditions and UVT values down to approximately 50%.

- Available from DN65–DN400
- 2–36 medium-pressure UV lamps
- Installed UV power from approximately 8 kW to over 216 kW.

AD Series

Designed for very high flow rates and low hydraulic head loss in RAS, process water systems, and wellboats.

- Available from DN200–DN1000
- 2–18 medium-pressure UV lamps
- Installed UV power up to 216 kW

Solutions include AquaShield for Intake Water (NVI approved), Process & Recirculation Water, and Wellboat Applications.

Delivery Options

Standard Basic - UV reactor and control cabinet

Fully Automatic (Compact Clean)

Fully Customised - complete engineered solutions including pumps, pipework, valves, and controls

Reliable construction with advanced materials

Construction, Materials & Integration

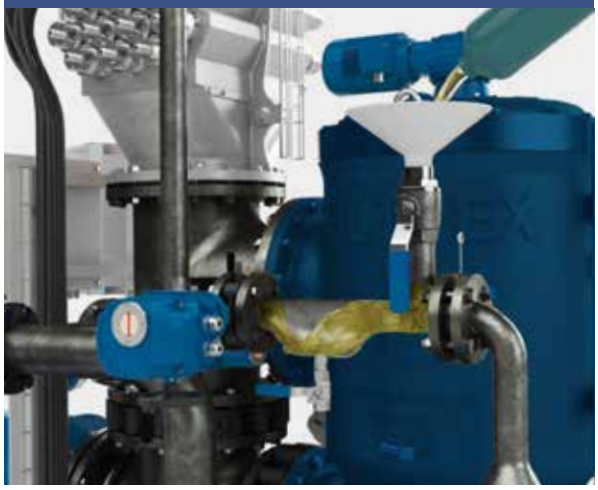
AquaShield UV systems are designed for continuous operation in demanding aquaculture and marine environments.

Materials include EN 1.4410 Super Duplex stainless steel or NiAlBz for excellent seawater corrosion resistance.

Cast reactor construction provides strength and durability, while optimised hydraulics minimise pressure loss.

Systems support vertical or horizontal installation, Profinet IP communication, automatic lamp power regulation, and IP55-rated control systems.

DESMI has its own brand of citric acid, which can be added to recirculate through the UV unit, when needed.



Cleaning In Place

Keep your UV at its best... CIP will do the trick

At DESMI we recommend Cleaning in Place (CIP) to ensure top performance of the UV system every day.

Citric acid is generally recognized as safe (GRAS) by the FDA and is widely used in food and beverage industries as a preservative, acidulant, and flavoring agent. Citric acid poses no harm to human health or aquatic life.

Validation & Documentation

Future Biosecurity

AquaShield UV technology builds on DESMI's extensive ballast water treatment experience, with more than 2,000 UV systems delivered worldwide.

UV dose algorithms are based on thousands of CFD simulations and focus on calculating minimum UV dose - the critical parameter for intake water biosecurity.

Although intake water treatment is often designed around 25 mJ/cm^2, several aquaculture pathogens may require significantly higher UV exposure. DESMI validates dose algorithms well beyond baseline requirements, including minimum doses exceeding 200 mJ/cm^2, creating a future-ready UV platform for evolving biosecurity challenges.

Key Benefits

- Easy installation and maintenance
- Can be skid-mounted
- Chemical-free UV virus barrier for intake water
- Compatible with Auto-filter and Auto-Cleaning
- Automatic dose control for safety and efficiency
- Full IoT monitoring and alarm notifications

UV unit AS30186

UV unit AS5064

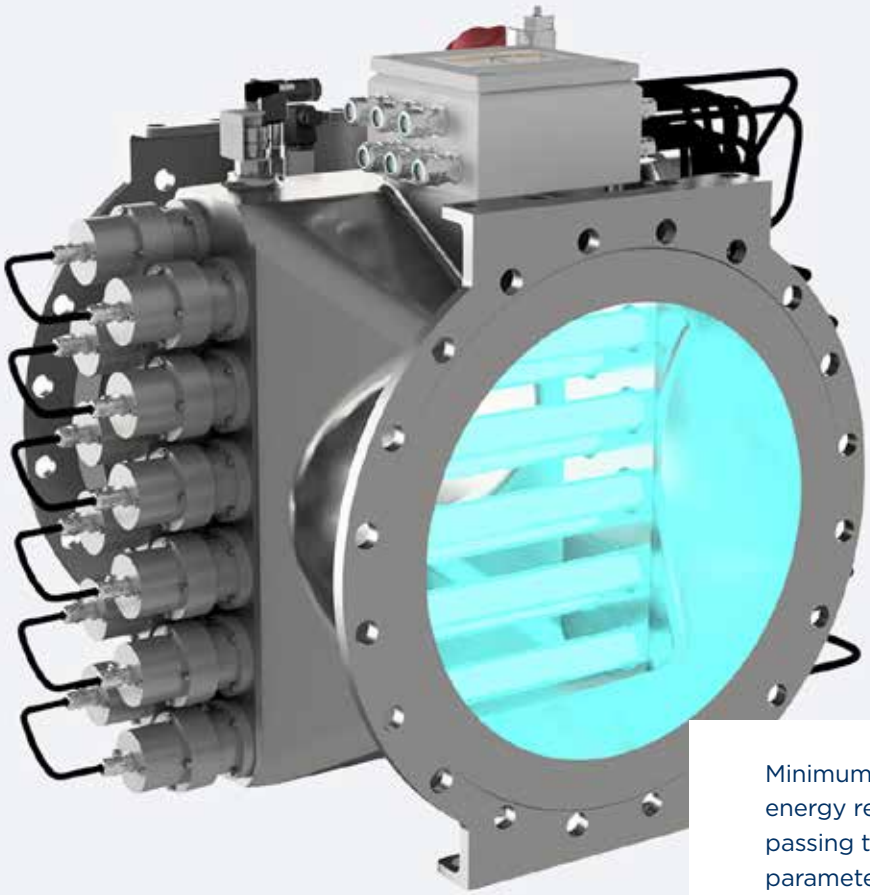
More than 2,000+ systems installed worldwide

Certifications

IMO

DNV·GL

Veterinærinstituttet
Norwegian Veterinary Institute



Minimum dose represents the lowest UV energy received by any microorganism passing through the reactor and is the key parameter for intake water biosecurity.

Understanding UV Dose Performance in Aquaculture

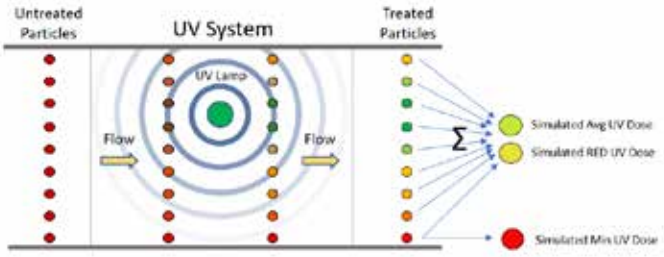
Minimimum vs. average UV Dosage. What is the difference?

Average dose represents the mean UV energy delivered, while Reduction Equivalent Dose provides a benchmark for comparing microbial reduction performance and is pathogen specific. These metrics are particularly relevant in RAS and process water applications.

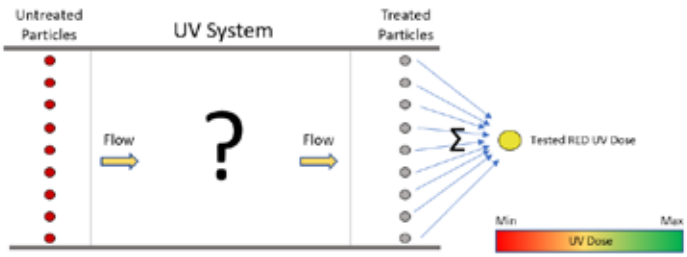
Medium-pressure UV lamps emit a broader UV light spectrum than low-pressure systems and may provide enhanced inactivation performance for certain organisms. In RAS facilities, they can also assist in destroying residual ozone and converting it into oxygen before water returns to fish tanks.

Key takeaway: Minimum dose is the critical parameter for intake water biosecurity, while average dose is primarily used for microbial control within RAS and process water systems.

Simulated



Bio Dosimetry Testing



Optimising Production on Land

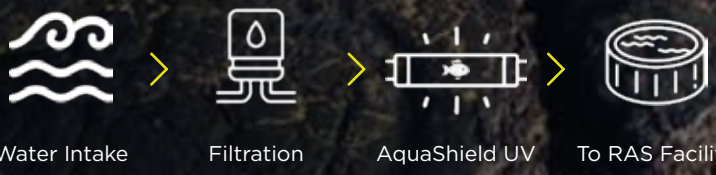
Land-Based Aquaculture Applications

AquaShield UV systems provide reliable water treatment for land-based aquaculture, supporting both biosecurity protection and microbial control.

Intake Water-Biosecurity Barrier

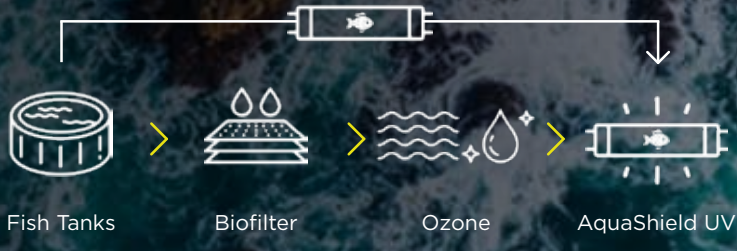
- Validated minimum-dose disinfection
- Protection before water enters the facility
- Optional filtration and Compact Clean automation
- Supports compliance with Norwegian biosecurity requirements

Typical applications include smolt facilities, hatcheries, broodstock facilities, and land-based grow-out farms.



RAS Process Water

- Continuous reduction of bacterial load
- Integration downstream of ozone treatment
- Support for safe removal of residual ozone



Wellboats operate in demanding marine environments where biosecurity, seawater durability, and operational uptime are critical.

Safe transport & Biosecurity

Wellboat Applications

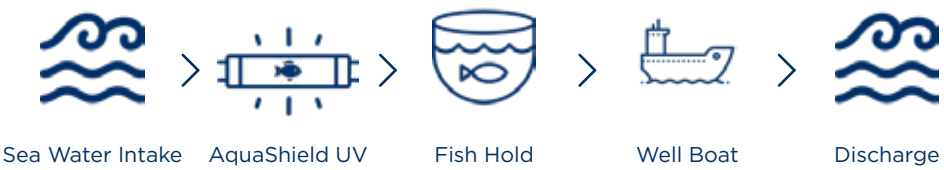
AquaShield systems provide high-capacity seawater treatment with validated minimum-dose control for transport and discharge operations.

Typical applications include intake and discharge water disinfection, transport loop protection, support for delousing processes, and prevention of pathogen transfer between sites.

Available in Super Duplex stainless steel or NiAlBz, AquaShield offers low pressure loss, automation-ready controls, and flexible installation for confined engine-room layouts.

Wellboats

The technology is based on the same proven UV platform used in DESMI ballast water treatment systems, with more than 2,000 installations delivered worldwide.



Datasheet

Approval: NVI | Dose Validation Approval: DNV

AquaShield AS10024

UV (Ultraviolet) water treatment is a chemical-free and environmentally friendly method for managing harmful pathogens in water. This technology is highly effective at damaging the genetic material (DNA and RNA) of microorganisms such as bacteria, viruses, and protozoa. The AS unit will manage energy consumption depending on the UV dose chosen by the operator, either by controlling flow through the unit or dimming of the lamps. Auxiliary equipment, such as CIP-Dosing units, valves, filters, flowmeters and control systems may be offered on request.

Volume (Liters)

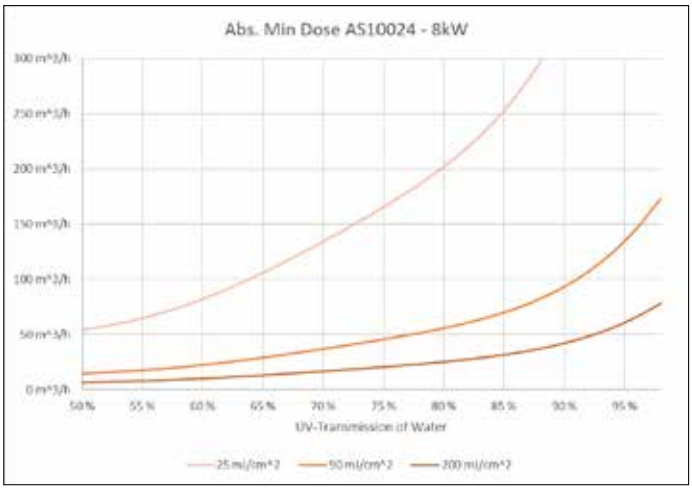
General data

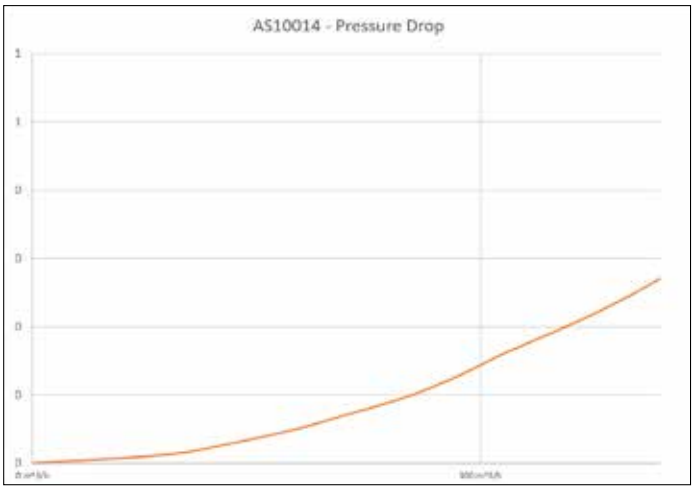
Max flow	Ref. table 1. According to UV-T
Design pressure	Max static pressure: 6 bar
Pressure drop	PD= 0,1 bar (At 84 m^3/h)
Max. Power	8 kW
Min. Power	2,4 kW
UV lights	2 pcs
Lamp type	Medium pressure
Lamp power	4 kW
Lamp feeder cables	1 pcs.
Main Flange size	Bolt pattern acc. To EN1092-1, DN100, PN10. ID: 115 (SDR 26)
Body material	NiAlBz
Volume (Liters)	5 L

Dry Weight (kg)	61 kg
Wet Weight (kg)	66 kg
Dimensions (LxWxH) mm.	323x730x531
Conditions running	Operation temperature Ambient 0-45 °C
Operation voltage	3 x 400 – 480 Volt AC (50 – 60 Hz) (lamp drivers requirement)
Communication	Profinet IP
Installation area	NON-ATEX, ATEX ZONE 1 available.
Orientation	Vertical. Flow - One way
Class of protection	IP55
Safety	EN 62477
EMC	EN 55011 EN 61000-3-3 EN 61000-6-2

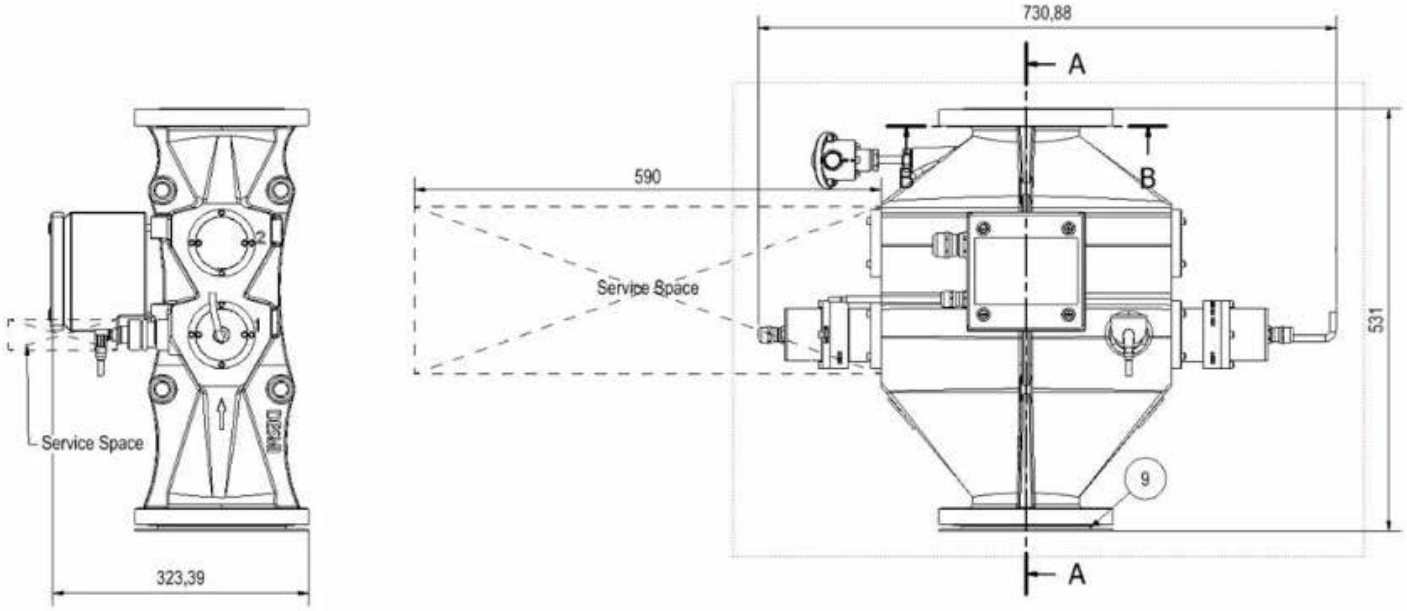
All measurements are in mm

Performance table





Dimensional drawings



*Minimum Dose means the amount of UV-C light (254nm) absorbed by the particle passing through the UV-Unit receiving the absolute least, thus meaning all other particles will receive more. This dose is based on extensive CFD simulations and verified through 3rd party bio-dosimetry testing, which has been evaluated by numerous accreditation bodies.

Datasheet

Approval: NVI | Dose Validation Approval: DNV

AquaShield AS15044

UV (Ultraviolet) water treatment is a chemical-free and environmentally friendly method for managing harmful pathogens in water. This technology is highly effective at damaging the genetic material (DNA and RNA) of microorganisms such as bacteria, viruses, and protozoa. The AS unit will manage energy consumption depending on the UV dose chosen by the operator, either by controlling flow through the unit or dimming of the lamps. Auxiliary equipment, such as CIP-Dosing units, valves, filters, flowmeters and control systems may be offered on request.

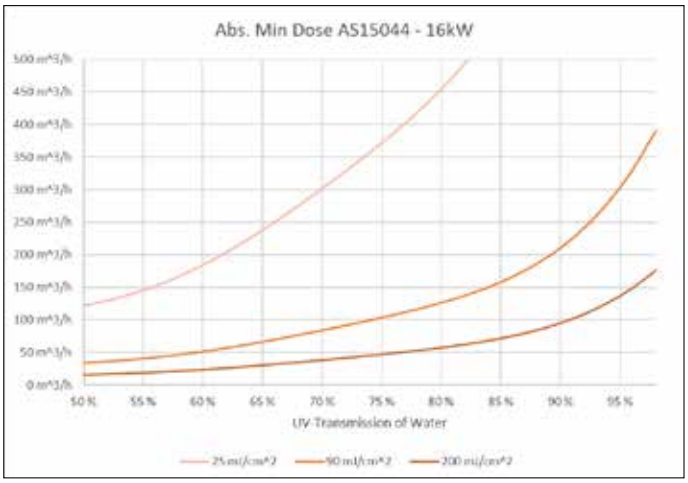
General data

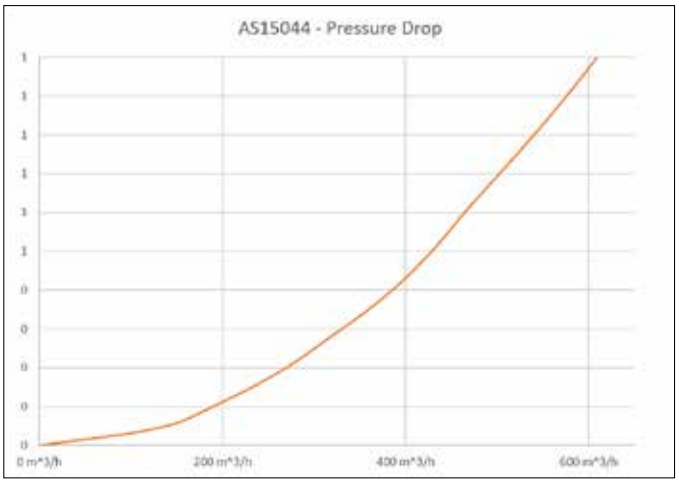
Max flow	Ref. table 1. According to UV-T
Design pressure	Max static pressure: 6 bar
Pressure drop	PD= 0,1 bar (At 190 m^3/h)
Max. Power	16 kW
Min. Power	4,8 kW
UV lights	4 pcs
Lamp type	Medium pressure
Lamp power	4 kW
Lamp feeder cables	2 pcs.
Main Flange size	Bolt pattern acc. To EN1092-1, DN150, PN10. ID: 170 (SDR 26)
Body material	NiAlBz
Volume (Liters)	10 L

Dry Weight (kg)	88 kg
Wet Weight (kg)	98 kg
Dimensions (LxWxH) mm.	405x576x730
Conditions running	Operation temperature Ambient 0-45 °C
Operation voltage	3 x 400 – 480 Volt AC (50 – 60 Hz) (lamp drivers requirement)
Communication	Profinet IP
Installation area	NON-ATEX, ATEX ZONE 1 available.
Orientation	Vertical. Flow - One way
Class of protection	IP55
Safety	EN 62477
EMC	EN 55011 EN 61000-3-3 EN 61000-6-2

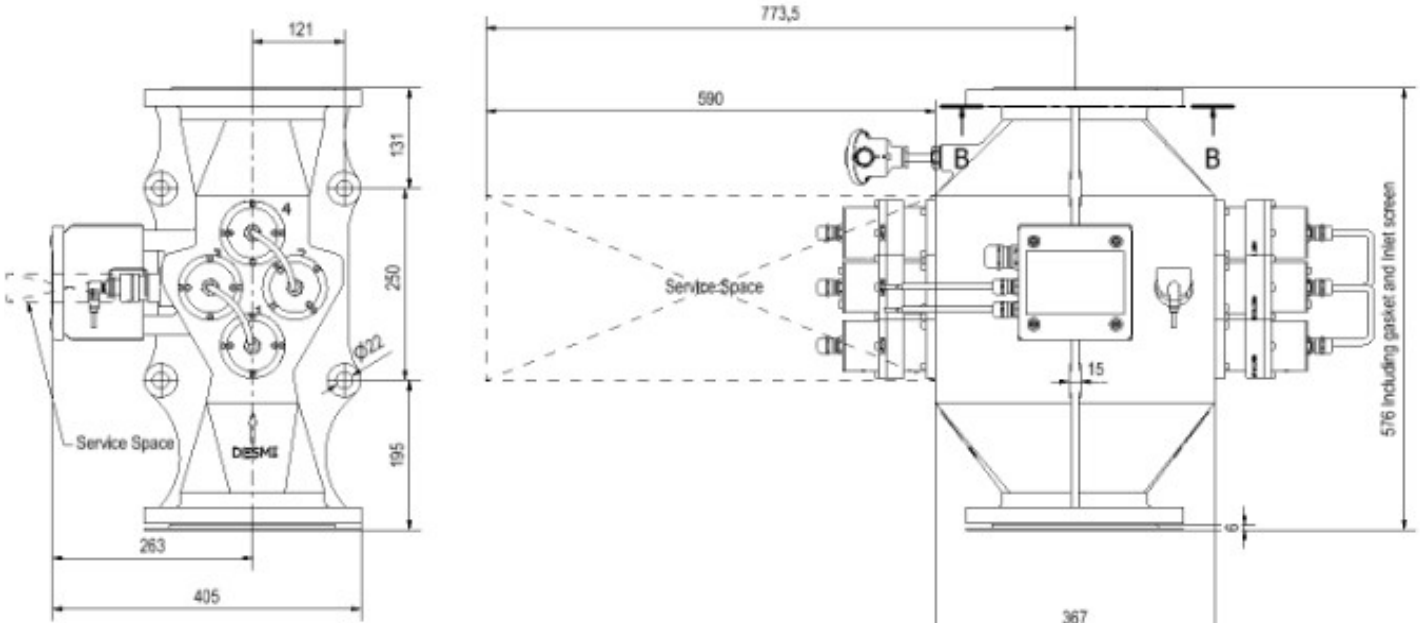
All measurements are in mm

Performance table





Dimensional drawings



*Minimum Dose means the amount of UV-C light (254nm) absorbed by the particle passing through the UV-Unit receiving the absolute least, thus meaning all other particles will receive more. This dose is based on extensive CFD simulations and verified through 3rd party bio-dosimetry testing, which has been evaluated by numerous accreditation bodies.

Datasheet

Approval: NVI | Dose Validation Approval: DNV

AquaShield AS15064

UV (Ultraviolet) water treatment is a chemical-free and environmentally friendly method for managing harmful pathogens in water. This technology is highly effective at damaging the genetic material (DNA and RNA) of microorganisms such as bacteria, viruses, and protozoa. The AS unit will manage energy consumption depending on the UV dose chosen by the operator, either by controlling flow through the unit or dimming of the lamps. Auxiliary equipment, such as CIP-Dosing units, valves, filters, flowmeters and control systems may be offered on request.

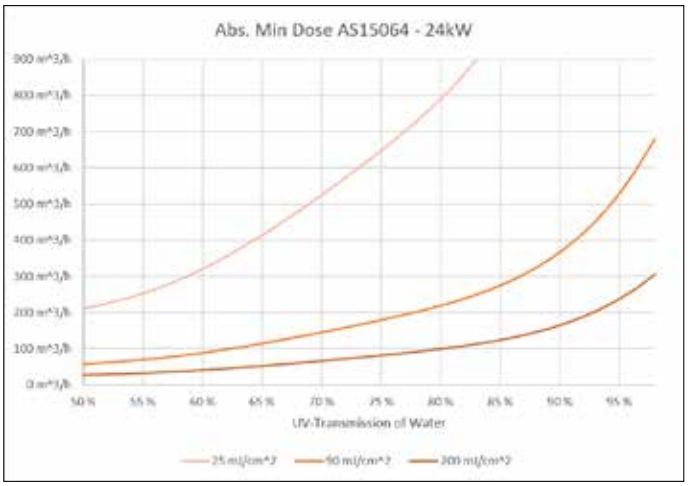
General data

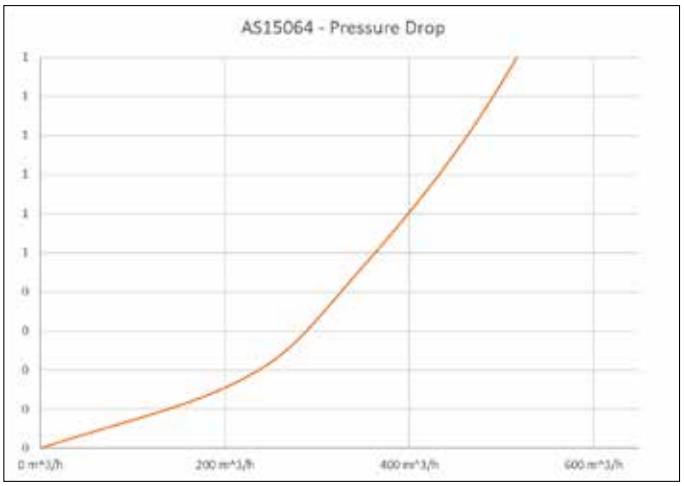
Max flow	Ref. table 1. According to UV-T
Design pressure	Max static pressure: 6 bar
Pressure drop	PD= 0,1 bar (At 164 m^3/h)
Max. Power	24 kW
Min. Power	7,2 kW
UV lights	6 pcs
Lamp type	Medium pressure
Lamp power	4 kW
Lamp feeder cables	3 pcs.
Main Flange size	Bolt pattern acc. To EN1092-1, DN150, PN10. ID: 150 (SDR 26)
Body material	NiAlBz
Volume (Liters)	45 L

Dry Weight (kg)	115 kg
Wet Weight (kg)	160 kg
Dimensions (LxWxH) mm.	408x778x735
Conditions running	Operation temperature Ambient 0-45 °C
Operation voltage	3 x 400 – 480 Volt AC (50 – 60 Hz) (lamp drivers requirement)
Communication	Profinet IP
Installation area	NON-ATEX, ATEX ZONE 1 available.
Orientation	Vertical. Flow - One way
Class of protection	IP55
Safety	EN 62477
EMC	EN 55011 EN 61000-3-3 EN 61000-6-2

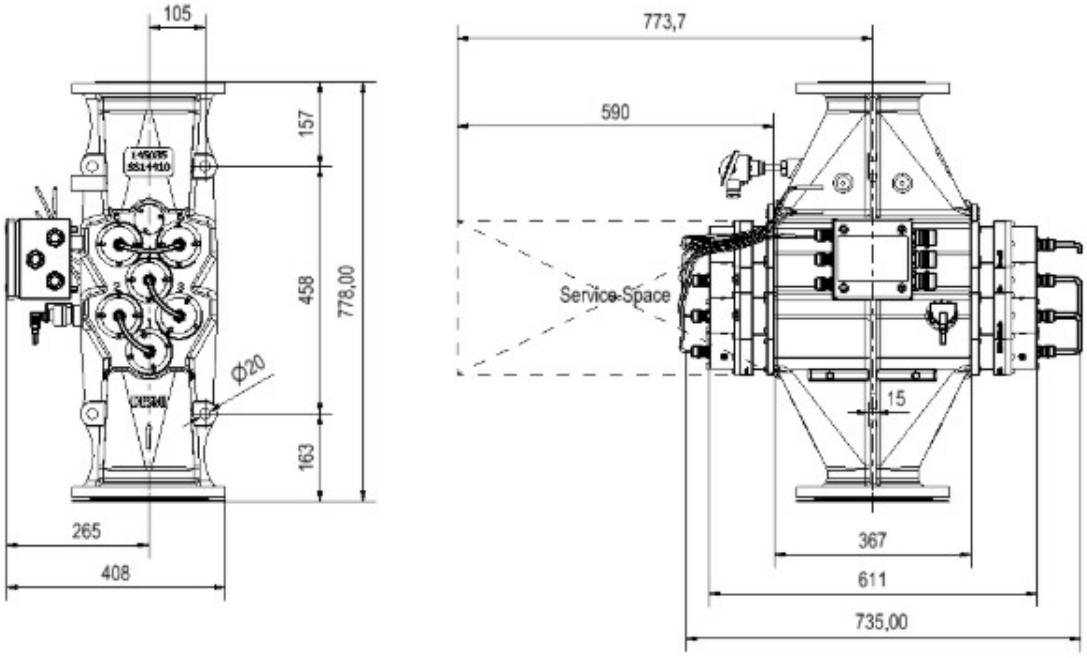
All measurements are in mm

Performance table





Dimensional drawings



*Minimum Dose means the amount of UV-C light (254nm) absorbed by the particle passing through the UV-Unit receiving the absolute least, thus meaning all other particles will receive more. This dose is based on extensive CFD simulations and verified through 3rd party bio-dosimetry testing, which has been evaluated by numerous accreditation bodies.

Datasheet

Approval: NVI | Dose Validation Approval: DNV

AquaShield AS20066

UV (Ultraviolet) water treatment is a chemical-free and environmentally friendly method for managing harmful pathogens in water. This technology is highly effective at damaging the genetic material (DNA and RNA) of microorganisms such as bacteria, viruses, and protozoa. The AS unit will manage energy consumption depending on the UV dose chosen by the operator, either by controlling flow through the unit or dimming of the lamps. Auxiliary equipment, such as CIP-Dosing units, valves, filters, flowmeters and control systems may be offered on request.

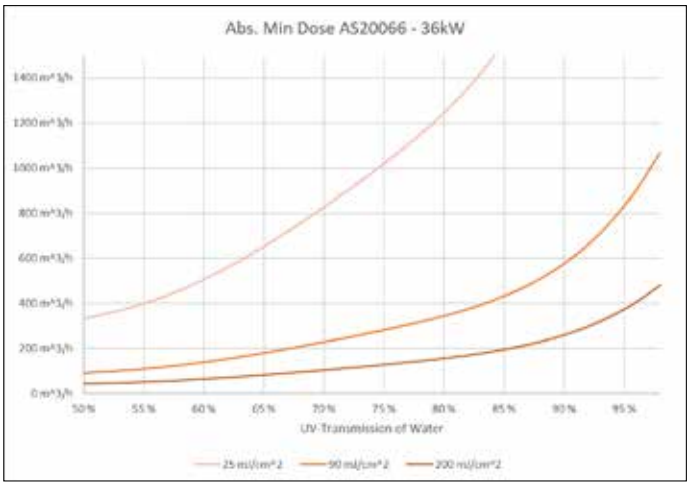
General data

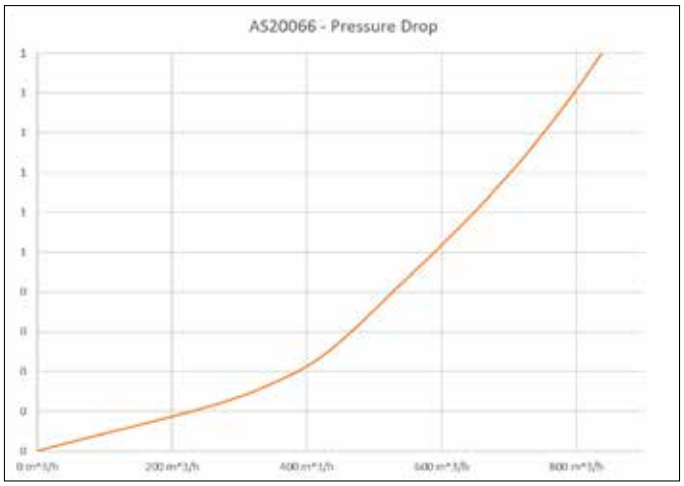
Max flow	Ref. table 1. According to UV-T
Design pressure	Max static pressure: 6 bar
Pressure drop	PD= 0,1 bar (At 266 m^3/h)
Max. Power	36 kW
Min. Power	10,8 kW
UV lights	6 pcs
Lamp type	Medium pressure
Lamp power	6 kW
Lamp feeder cables	3 pcs.
Main Flange size	Bolt pattern acc. To EN1092-1, DN200, PN10. ID: 200 (SDR 26)
Body material	NiAlBz
Volume (Liters)	40 L

Dry Weight (kg)	149 kg
Wet Weight (kg)	189 kg
Dimensions (LxWxH) mm.	440x782x840
Conditions running	Operation temperature Ambient 0-45 °C
Operation voltage	3 x 400 – 480 Volt AC (50 – 60 Hz) (lamp drivers requirement)
Communication	Profinet IP
Installation area	NON-ATEX, ATEX ZONE 1 available.
Orientation	Vertical. Flow - One way
Class of protection	IP55
Safety	EN 62477
EMC	EN 55011 EN 61000-3-3 EN 61000-6-2

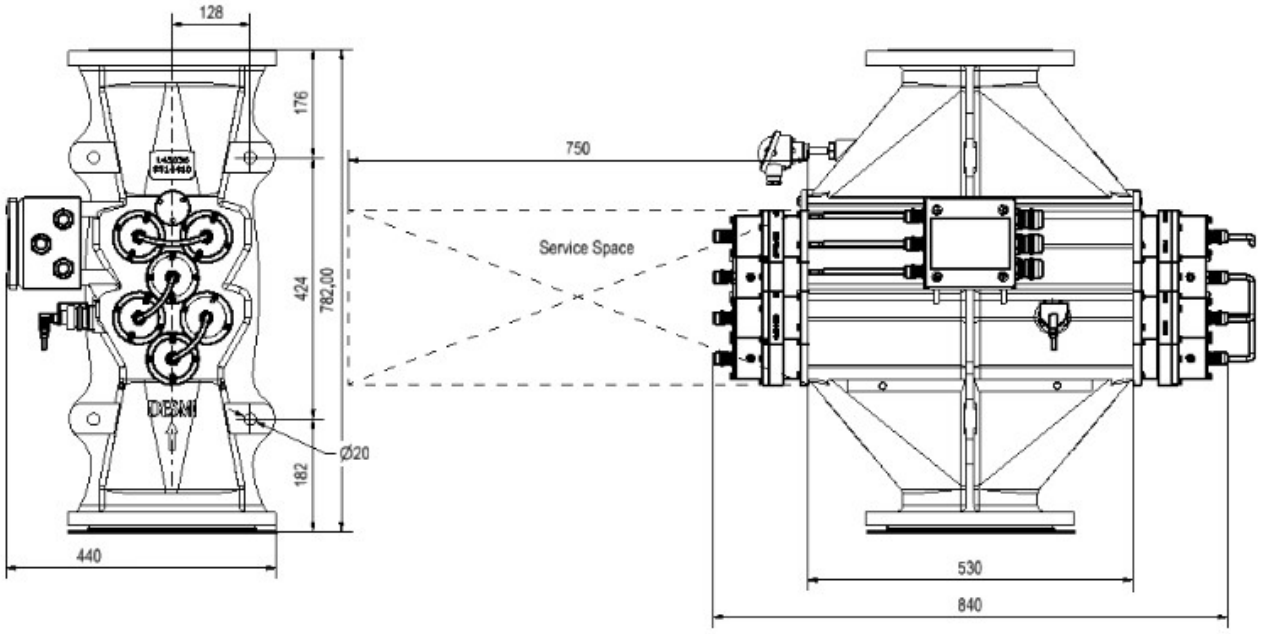
All measurements are in mm

Performance table





Dimensional drawings



*Minimum Dose means the amount of UV-C light (254nm) absorbed by the particle passing through the UV-Unit receiving the absolute least, thus meaning all other particles will receive more. This dose is based on extensive CFD simulations and verified through 3rd party bio-dosimetry testing, which has been evaluated by numerous accreditation bodies.

Datasheet

Approval: NVI | Dose Validation Approval: DNV

AquaShield AS20086

UV (Ultraviolet) water treatment is a chemical-free and environmentally friendly method for managing harmful pathogens in water. This technology is highly effective at damaging the genetic material (DNA and RNA) of microorganisms such as bacteria, viruses, and protozoa. The AS unit will manage energy consumption depending on the UV dose chosen by the operator, either by controlling flow through the unit or dimming of the lamps. Auxiliary equipment, such as CIP-Dosing units, valves, filters, flowmeters and control systems may be offered on request.

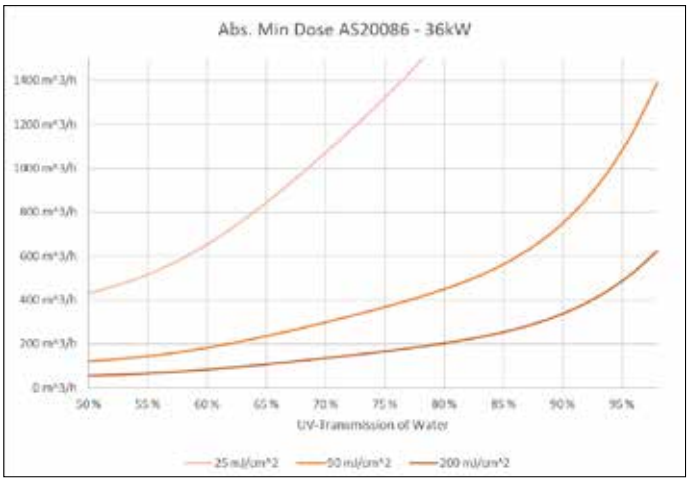
General data

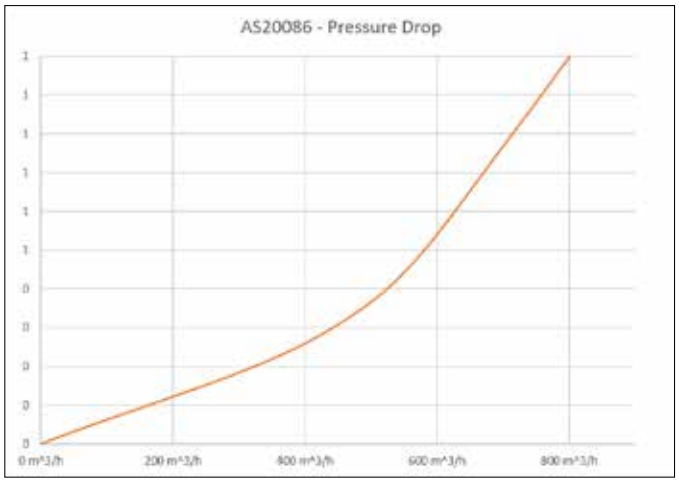
Max flow	Ref. table 1. According to UV-T
Design pressure	Max static pressure: 6 bar
Pressure drop	PD= 0,1 bar (At 255 m^3/h)
Max. Power	48 kW
Min. Power	14,4 kW
UV lights	8 pcs
Lamp type	Medium pressure
Lamp power	6 kW
Lamp feeder cables	4 pcs.
Main Flange size	Bolt pattern acc. To EN1092-1, DN200, PN10. ID: 200 (SDR 26)
Body material	NiAlBz
Volume (Liters)	50 L

Dry Weight (kg)	180 kg
Wet Weight (kg)	230 kg
Dimensions (LxWxH) mm.	446x906x840
Conditions running	Operation temperature Ambient 0-45 °C
Operation voltage	3 x 400 – 480 Volt AC (50 – 60 Hz) (lamp drivers requirement)
Communication	Profinet IP
Installation area	NON-ATEX, ATEX ZONE 1 available.
Orientation	Vertical. Flow - One way
Class of protection	IP55
Safety	EN 62477
EMC	EN 55011 EN 61000-3-3 EN 61000-6-2

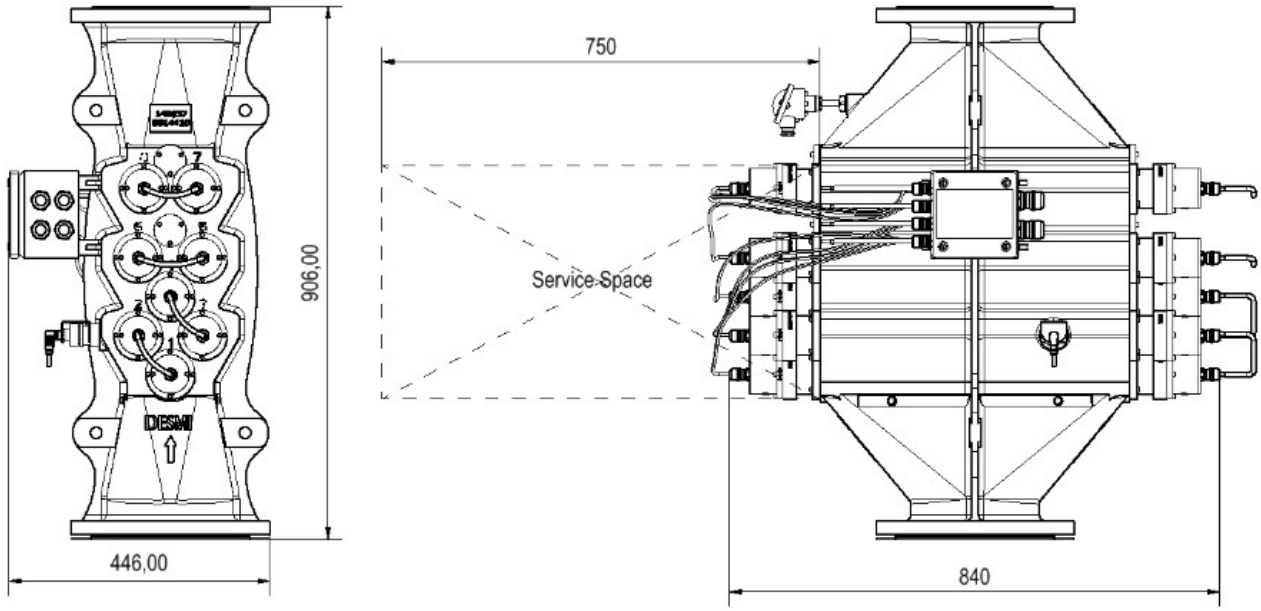
All measurements are in mm

Performance table





Dimensional drawings



*Minimum Dose means the amount of UV-C light (254nm) absorbed by the particle passing through the UV-Unit receiving the absolute least, thus meaning all other particles will receive more. This dose is based on extensive CFD simulations and verified through 3rd party bio-dosimetry testing, which has been evaluated by numerous accreditation bodies.

Datasheet

Approval: NVI | Dose Validation Approval: DNV

AquaShield AS25126

UV (Ultraviolet) water treatment is a chemical-free and environmentally friendly method for managing harmful pathogens in water. This technology is highly effective at damaging the genetic material (DNA and RNA) of microorganisms such as bacteria, viruses, and protozoa. The AS unit will manage energy consumption depending on the UV dose chosen by the operator, either by controlling flow through the unit or dimming of the lamps. Auxiliary equipment, such as CIP-Dosing units, valves, filters, flowmeters and control systems may be offered on request.

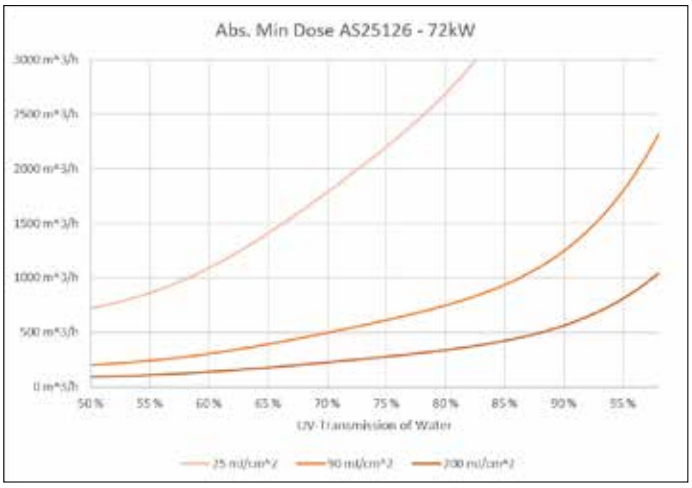
General data

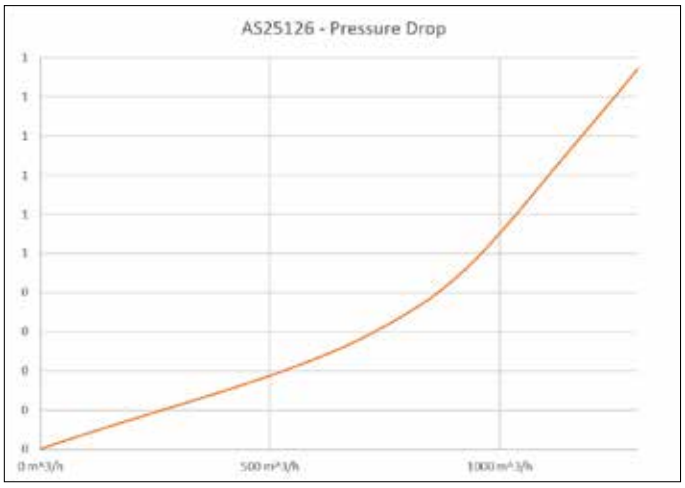
Max flow	Ref. table 1. According to UV-T
Design pressure	Max static pressure: 6 bar
Pressure drop	PD= 0,1 bar (At 420 m^3/h)
Max. Power	72 kW
Min. Power	21,6 kW
UV lights	12 pcs
Lamp type	Medium pressure
Lamp power	6 kW
Lamp feeder cables	6 pcs.
Main Flange size	Bolt pattern acc. To EN1092-1, DN250, PN10. ID: 250 (SDR 26)
Body material	NiAlBz
Volume (Liters)	120 L

Dry Weight (kg)	218 kg
Wet Weight (kg)	338 kg
Dimensions (LxWxH) mm.	518x856x947
Conditions running	Operation temperature Ambient 0-45 °C
Operation voltage	3 x 400 – 480 Volt AC (50 – 60 Hz) (lamp drivers requirement)
Communication	Profinet IP
Installation area	NON-ATEX, ATEX ZONE 1 available.
Orientation	Vertical. Flow - One way
Class of protection	IP55
Safety	EN 62477
EMC	EN 55011 EN 61000-3-3 EN 61000-6-2

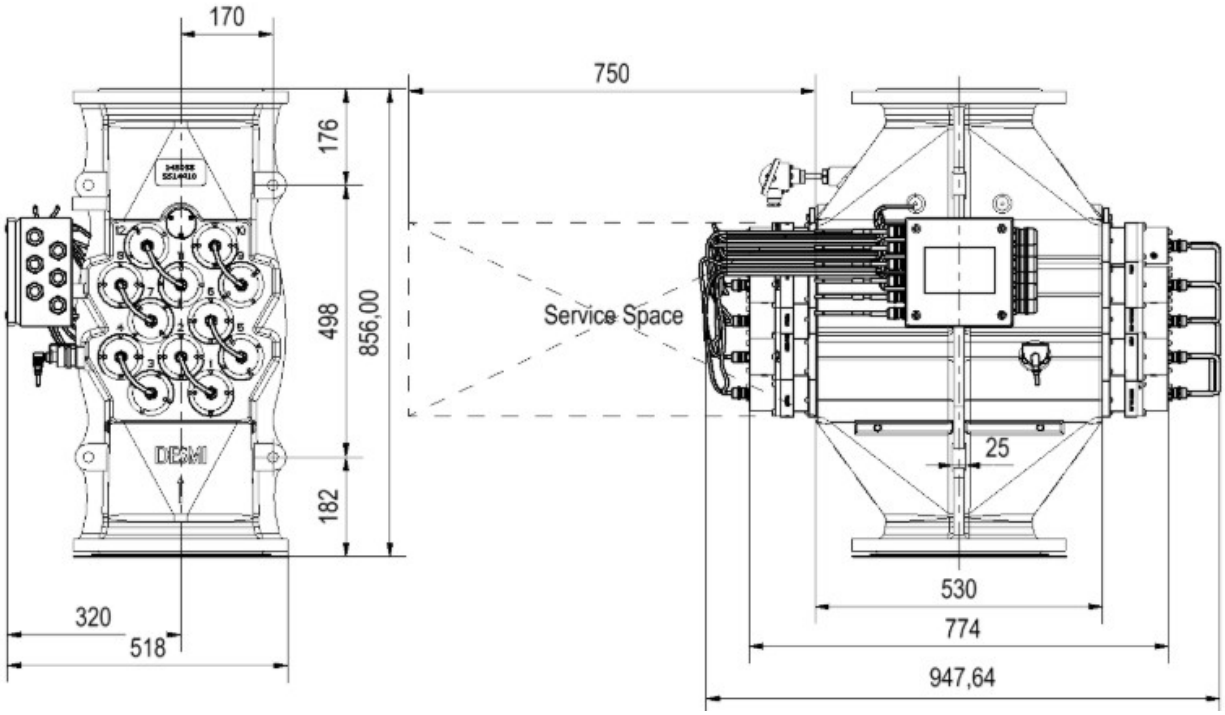
All measurements are in mm

Performance table





Dimensional drawings



*Minimum Dose means the amount of UV-C light (254nm) absorbed by the particle passing through the UV-Unit receiving the absolute least, thus meaning all other particles will receive more. This dose is based on extensive CFD simulations and verified through 3rd party bio-dosimetry testing, which has been evaluated by numerous accreditation bodies.

Datasheet

Approval: NVI | Dose Validation Approval: DNV

AquaShield AS30186

UV (Ultraviolet) water treatment is a chemical-free and environmentally friendly method for managing harmful pathogens in water. This technology is highly effective at damaging the genetic material (DNA and RNA) of microorganisms such as bacteria, viruses, and protozoa. The AS unit will manage energy consumption depending on the UV dose chosen by the operator, either by controlling flow through the unit or dimming of the lamps. Auxiliary equipment, such as CIP-Dosing units, valves, filters, flowmeters and control systems may be offered on request.

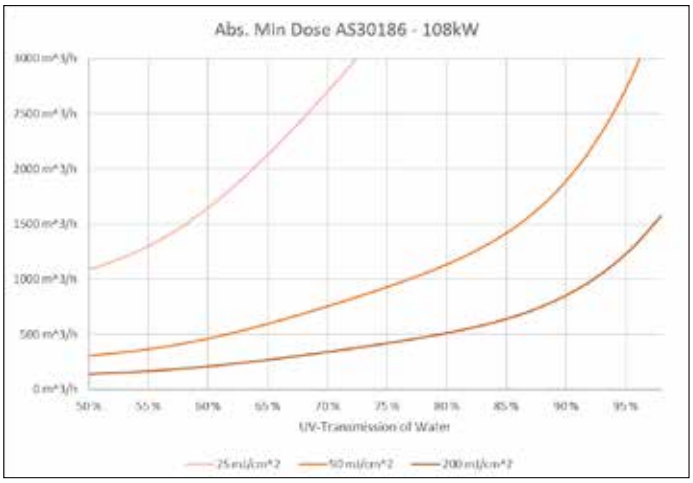
General data

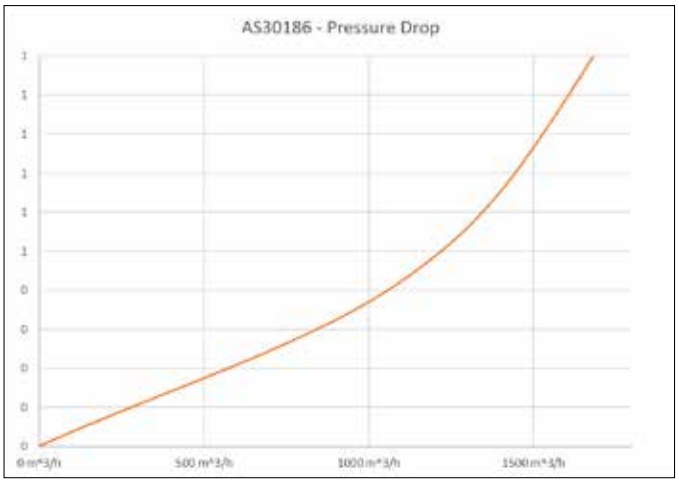
Max flow	Ref. table 1. According to UV-T
Design pressure	Max static pressure: 6 bar
Pressure drop	PD= 0,1 bar (At 535 m^3/h)
Max. Power	108 kW
Min. Power	32,4 kW
UV lights	18 pcs
Lamp type	Medium pressure
Lamp power	6 kW
Lamp feeder cables	9 pcs.
Main Flange size	Bolt pattern acc. To EN1092-1, DN300, PN10. ID: 300 (SDR 26)
Body material	NiAlBz
Volume (Liters)	180 L

Dry Weight (kg)	315 kg
Wet Weight (kg)	495 kg
Dimensions (LxWxH) mm.	553x990x784
Conditions running	Operation temperature Ambient 0-45 °C
Operation voltage	3 x 400 – 480 Volt AC (50 – 60 Hz) (lamp drivers requirement)
Communication	Profinet IP
Installation area	NON-ATEX, ATEX ZONE 1 available.
Orientation	Vertical. Flow - One way
Class of protection	IP55
Safety	EN 62477
EMC	EN 55011 EN 61000-3-3 EN 61000-6-2

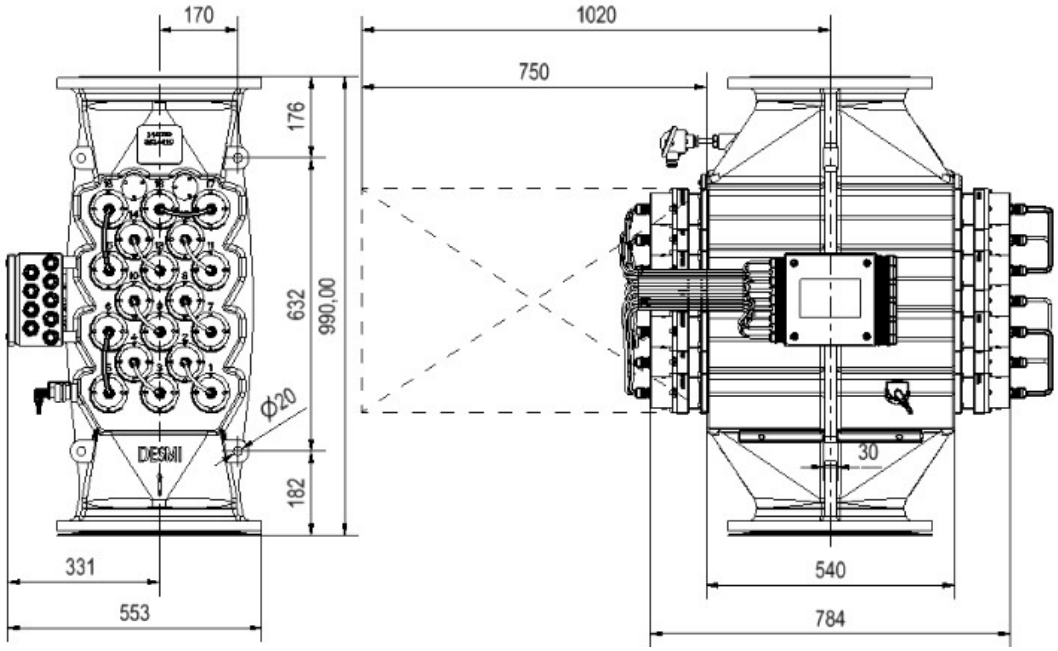
All measurements are in mm

Performance table





Dimensional drawings



*Minimum Dose means the amount of UV-C light (254nm) absorbed by the particle passing through the UV-Unit receiving the absolute least, thus meaning all other particles will receive more. This dose is based on extensive CFD simulations and verified through 3rd party bio-dosimetry testing, which has been evaluated by numerous accreditation bodies.

Datasheet

Approval: NVI | Dose Validation Approval: DNV

AquaShield AS35246

UV (Ultraviolet) water treatment is a chemical-free and environmentally friendly method for managing harmful pathogens in water. This technology is highly effective at damaging the genetic material (DNA and RNA) of microorganisms such as bacteria, viruses, and protozoa. The AS unit will manage energy consumption depending on the UV dose chosen by the operator, either by controlling flow through the unit or dimming of the lamps. Auxiliary equipment, such as CIP-Dosing units, valves, filters, flowmeters and control systems may be offered on request.

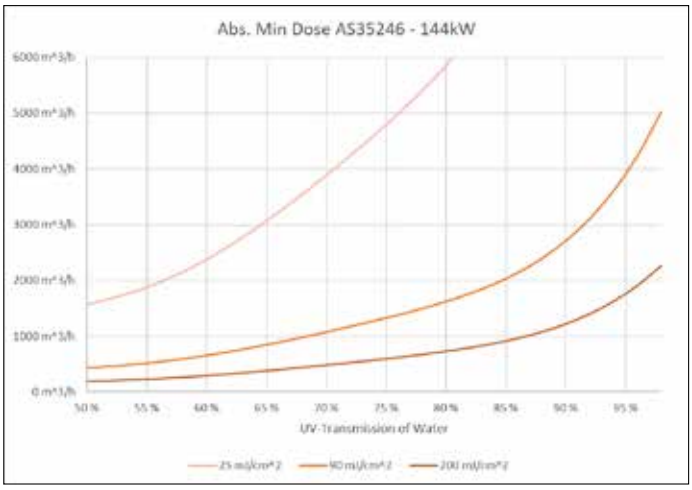
General data

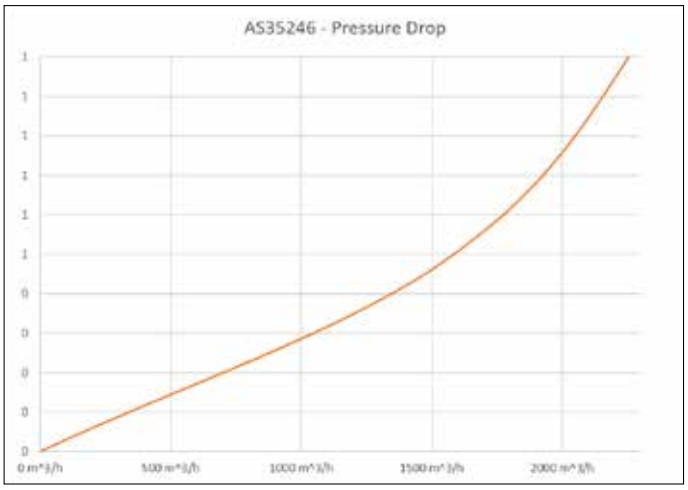
Max flow	Ref. table 1. According to UV-T
Design pressure	Max static pressure: 6 bar
Pressure drop	PD= 0,1 bar (At 708 m^3/h)
Max. Power	144 kW
Min. Power	43,2 kW
UV lights	24 pcs
Lamp type	Medium pressure
Lamp power	6 kW
Lamp feeder cables	12 pcs.
Main Flange size	Bolt pattern acc. To EN1092-1, DN350, PN10. ID: 350 (SDR 26)
Body material	NiAlBz
Volume (Liters)	200 L

Dry Weight (kg)	377 kg
Wet Weight (kg)	577 kg
Dimensions (LxWxH) mm.	641x1037x784
Conditions running	Operation temperature Ambient 0-45 °C
Operation voltage	3 x 400 – 480 Volt AC (50 – 60 Hz) (lamp drivers requirement)
Communication	Profinet IP
Installation area	NON-ATEX, ATEX ZONE 1 available.
Orientation	Vertical. Flow - One way
Class of protection	IP55
Safety	EN 62477
EMC	EN 55011 EN 61000-3-3 EN 61000-6-2

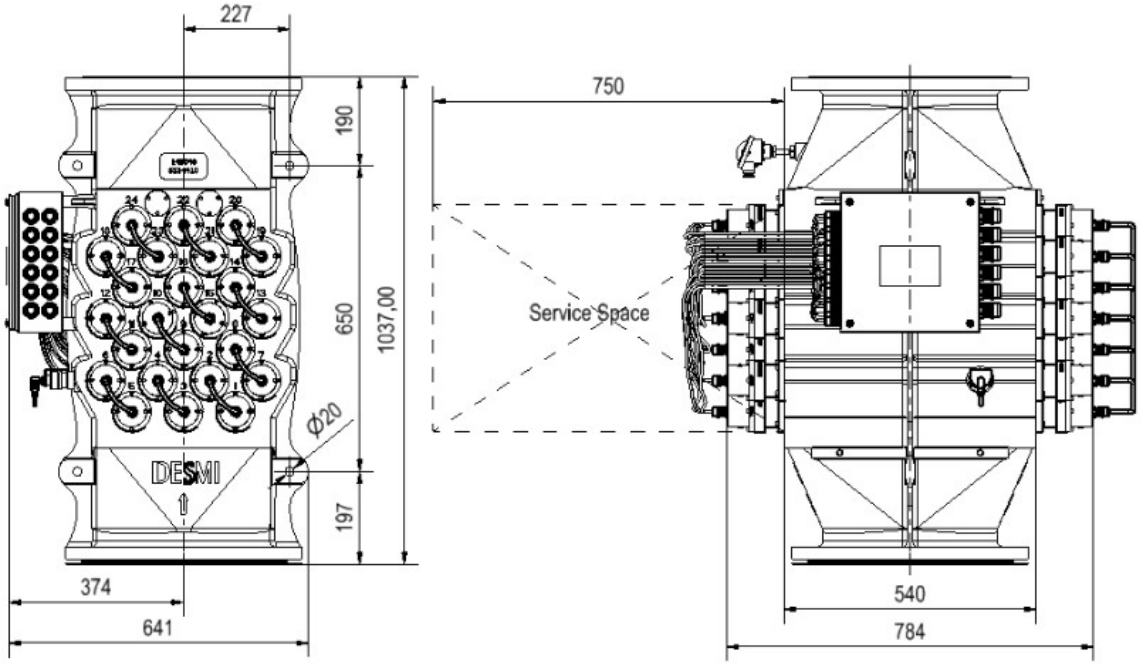
All measurements are in mm

Performance table





Dimensional drawings



*Minimum Dose means the amount of UV-C light (254nm) absorbed by the particle passing through the UV-Unit receiving the absolute least, thus meaning all other particles will receive more. This dose is based on extensive CFD simulations and verified through 3rd party bio-dosimetry testing, which has been evaluated by numerous accreditation bodies.

Datasheet

Approval: NVI | Dose Validation Approval: DNV

AquaShield AS40366

UV (Ultraviolet) water treatment is a chemical-free and environmentally friendly method for managing harmful pathogens in water. This technology is highly effective at damaging the genetic material (DNA and RNA) of microorganisms such as bacteria, viruses, and protozoa. The AS unit will manage energy consumption depending on the UV dose chosen by the operator, either by controlling flow through the unit or dimming of the lamps. Auxiliary equipment, such as CIP-Dosing units, valves, filters, flowmeters and control systems may be offered on request.

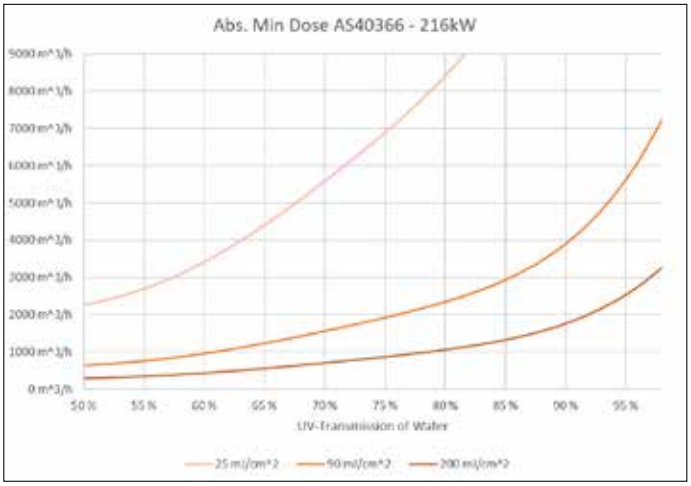
General data

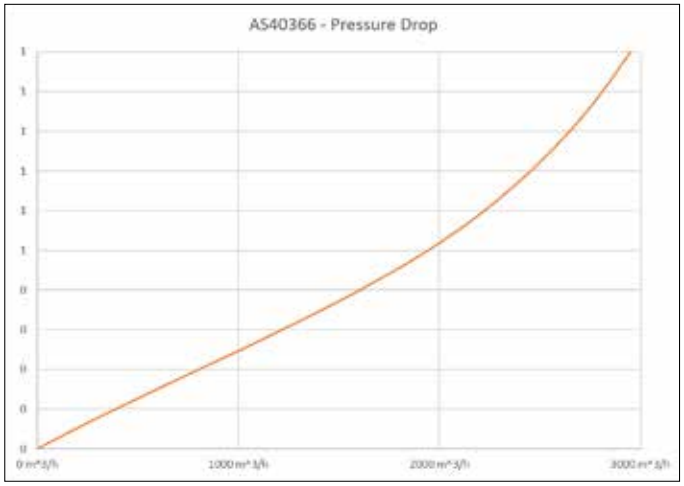
Max flow	Ref. table 1. According to UV-T
Design pressure	Max static pressure: 6 bar
Pressure drop	PD= 0,1 bar (At 900 m^3/h)
Max. Power	216 kW
Min. Power	64,8 kW
UV lights	36 pcs
Lamp type	Medium pressure
Lamp power	6 kW
Lamp feeder cables	18 pcs.
Main Flange size	Bolt pattern acc. To EN1092-1, DN400, PN10. ID: 400 (SDR 26)
Body material	NiAlBz
Volume (Liters)	125 L

Dry Weight (kg)	538 kg
Wet Weight (kg)	663 kg
Dimensions (LxWxH) mm.	749x1107x794
Conditions running	Operation temperature Ambient 0-45 °C
Operation voltage	3 x 400 – 480 Volt AC (50 – 60 Hz) (lamp drivers requirement)
Communication	Profinet IP
Installation area	NON-ATEX, ATEX ZONE 1 available.
Orientation	Vertical. Flow - One way
Class of protection	IP55
Safety	EN 62477
EMC	EN 55011 EN 61000-3-3 EN 61000-6-2

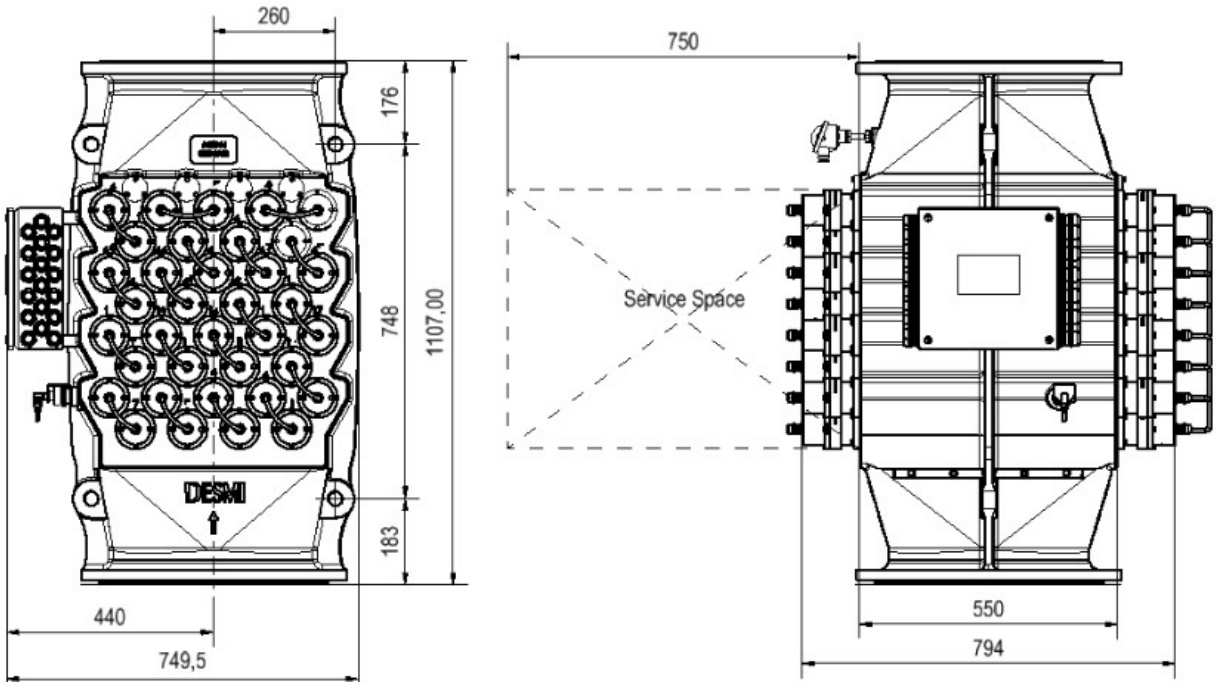
All measurements are in mm

Performance table





Dimensional drawings



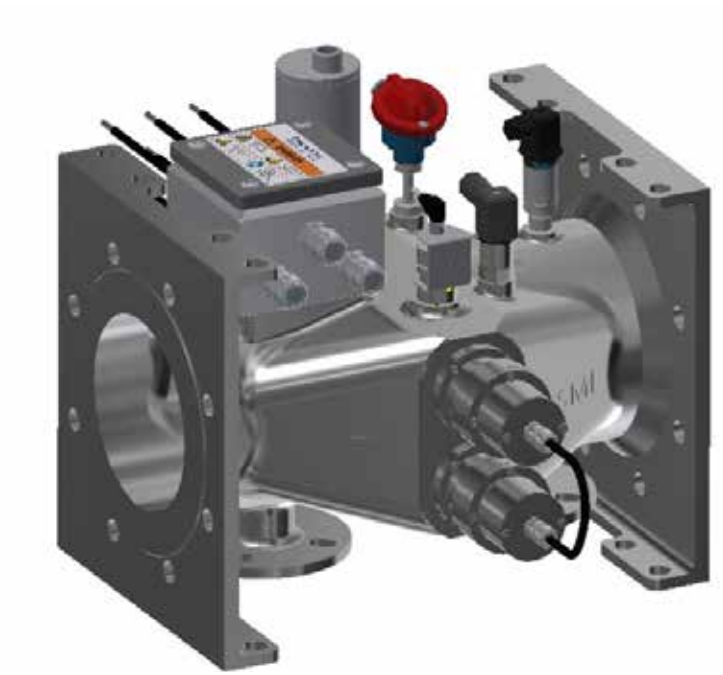
*Minimum Dose means the amount of UV-C light (254nm) absorbed by the particle passing through the UV-Unit receiving the absolute least, thus meaning all other particles will receive more. This dose is based on extensive CFD simulations and verified through 3rd party bio-dosimetry testing, which has been evaluated by numerous accreditation bodies.

Datasheet

Approval: NVI | Dose Validation Approval: DNV

AquaShield AD20024

UV (Ultraviolet) water treatment is a chemical-free and environmentally friendly method for managing harmful pathogens in water. This technology is highly effective at damaging the genetic material (DNA and RNA) of microorganisms such as bacteria, viruses, and protozoa. The AD unit will manage energy consumption depending on the UV dose chosen by the operator, either by controlling flow through the unit or dimming of the lamps. Auxiliary equipment, such as CIP-Dosing units, valves, filters, flowmeters and control systems may be offered on request.



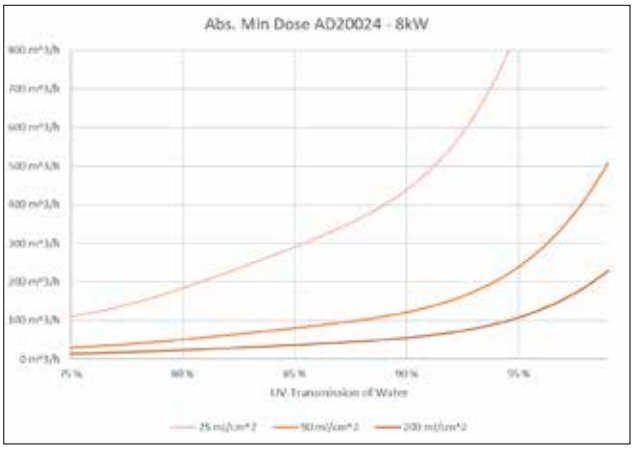
General data

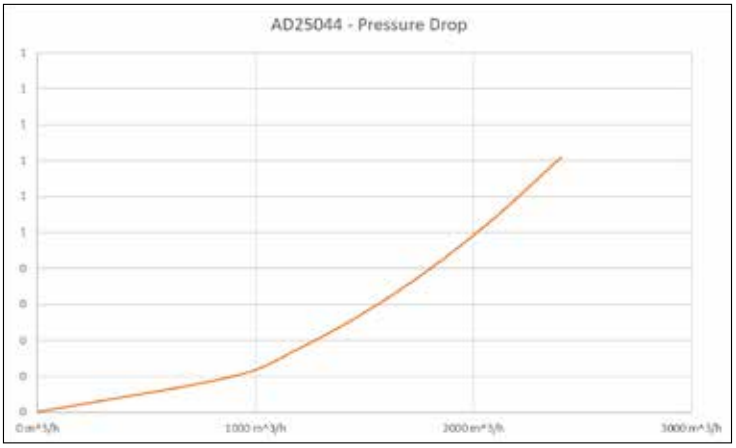
Max flow	Ref. table 1. According to UV-T
Total lamp power [kW]	Max static pressure: 6 bar
Pressure drop	PD= 0,1 bar (At 578 m^3/h)
Max. Power	8,0 kW
Min. Power	2,4 kW
UV lights	2 pcs
Lamp type	Medium pressure
Lamp power	4 kW
Lamp feeder cables	1 pcs.
Recirculation flanges	DN40 + DN50 connection EN1092-1, PN10.
Main Flange size	Bolt pattern acc. To EN1092-1, DN200, PN10. ID: 185 (SDR 26)
Body material	EN. 1.4410

Volume (Liters)	25 L
Dry Weight (kg)	165 kg
Wet Weight (kg)	190 kg
Dimensions (LxWxH) mm.	500x387x730
Conditions running	Operation temperature Ambient 0-45 °C
Operation voltage	3 x 400 – 480 Volt AC (50 – 60 Hz) (lamp drivers requirement)
Communication	Profinet IP
Installation area	NON-ATEX, ATEX ZONE 1 available.
Orientation	Vertical or horizontal position around the lamps axis. Bidirectional
Class of protection	IP55
Safety	EN 62477
EMC	EN 55011 EN 61000-3-3 EN 61000-6-2

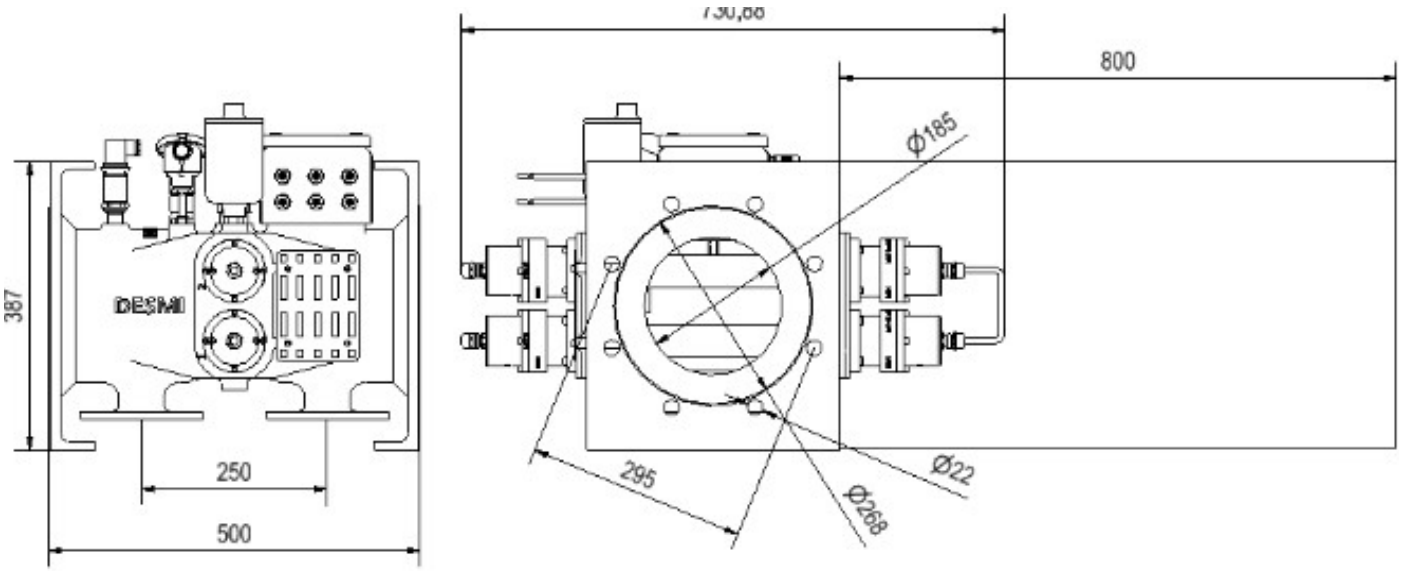
All measurements are in mm

Performance table





Dimensional drawings



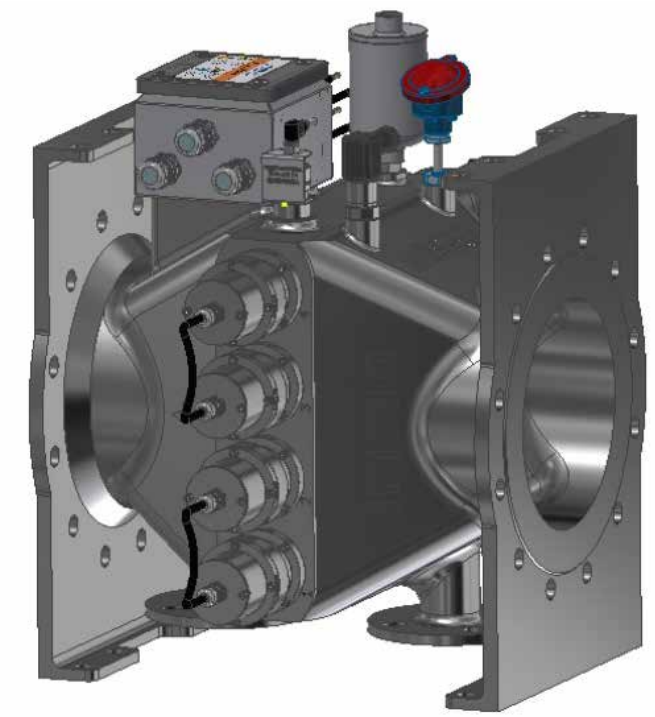
*Minimum Dose means the amount of UV-C light (254nm) absorbed by the particle passing through the UV-Unit receiving the absolute least, thus meaning all other particles will receive more. This dose is based on extensive CFD simulations and verified through 3rd party bio-dosimetry testing, which has been evaluated by numerous accreditation bodies.

Datasheet

Approval: NVI | Dose Validation Approval: DNV

AquaShield AD25044

UV (Ultraviolet) water treatment is a chemical-free and environmentally friendly method for managing harmful pathogens in water. This technology is highly effective at damaging the genetic material (DNA and RNA) of microorganisms such as bacteria, viruses, and protozoa. The AD unit will manage energy consumption depending on the UV dose chosen by the operator, either by controlling flow through the unit or dimming of the lamps. Auxiliary equipment, such as CIP-Dosing units, valves, filters, flowmeters and control systems may be offered on request.



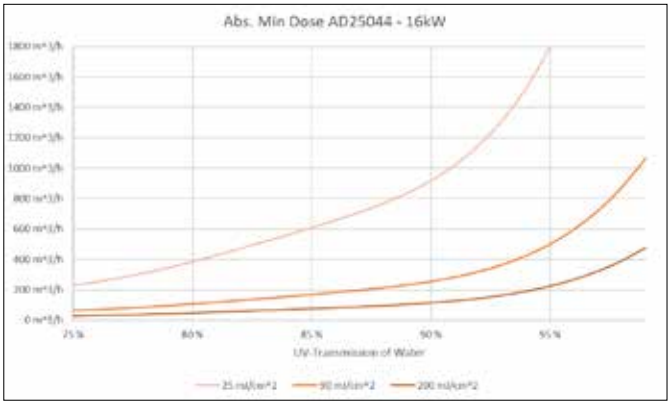
General data

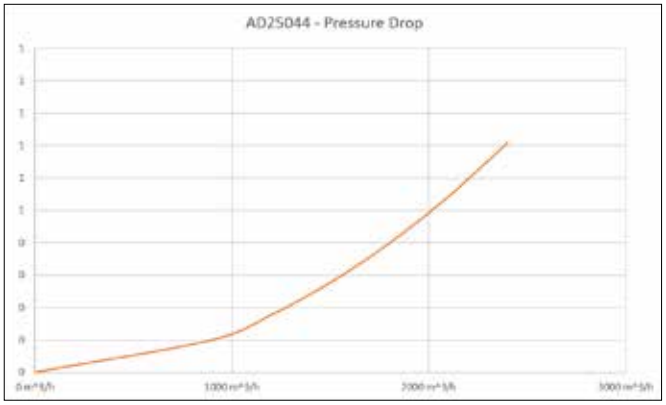
Max flow	Ref. table 1. According to UV-T
Total lamp power [kW]	Max static pressure: 6 bar
Pressure drop	PD= 0,1 bar (At 900 m^3/h)
Max. Power	16 kW
Min. Power	4,8 kW
UV lights	4 pcs
Lamp type	Medium pressure
Lamp power	4 kW
Lamp feeder cables	2 pcs.
Recirculation flanges	DN40 + DN50 connection EN1092-1, PN10.
Main Flange size	Bolt pattern acc. To EN1092-1, DN250, PN10. ID: 231mm (SDR 26)
Body material	EN. 1.4410

Volume (Liters)	40 L
Dry Weight (kg)	95kg
Wet Weight (kg)	135kg
Dimensions (LxWxH) mm.	500x680x535
Conditions running	Operation temperature Ambient 0-45 °C
Operation voltage	3 x 400 – 480 Volt AC (50 – 60 Hz) (lamp drivers required)
Communication	Profinet IP
Installation area	NON-ATEX, ATEX ZONE 1 available.
Orientation	Vertical or horizontal position around the lamps axis. Bidirectional
Class of protection	IP55
Safety	EN 62477
EMC	EN 55011 EN 61000-3-3 EN 61000-6-2

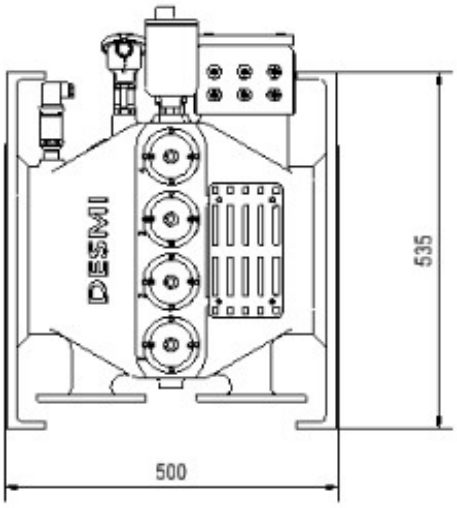
All measurements are in mm

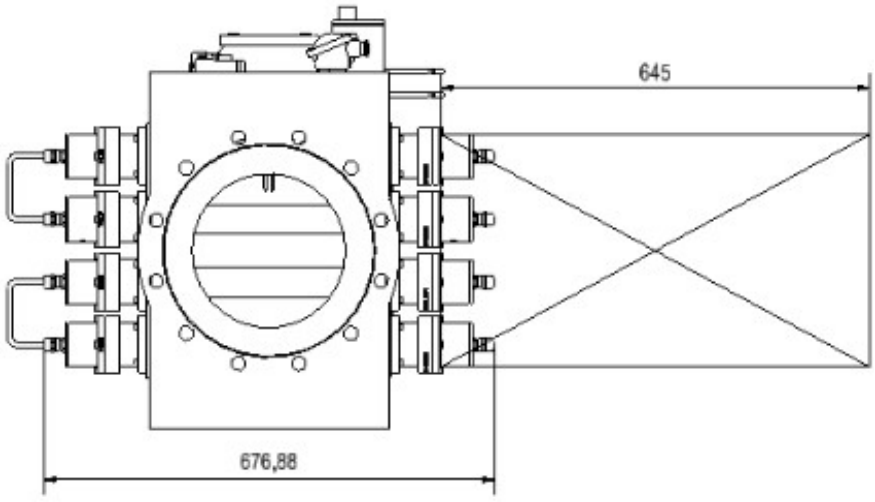
Performance table





Dimensional drawings





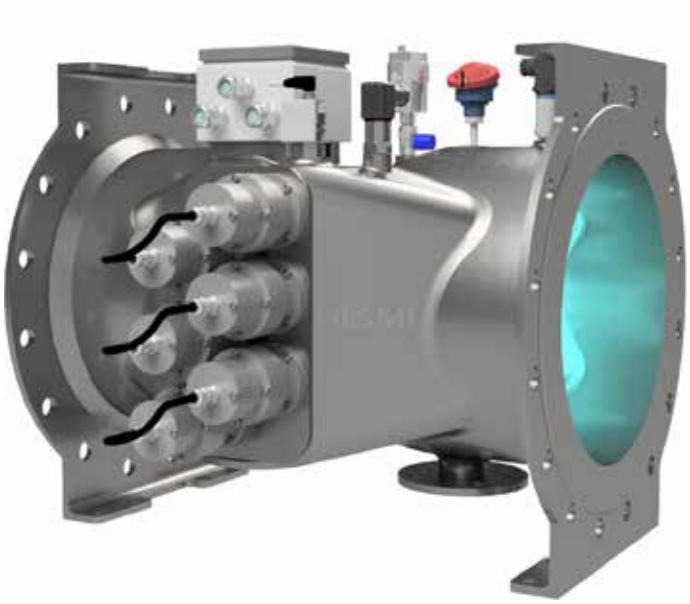
*Minimum Dose means the amount of UV-C light (254nm) absorbed by the particle passing through the UV-Unit receiving the absolute least, thus meaning all other particles will receive more. This dose is based on extensive CFD simulations and verified through 3rd party bio-dosimetry testing, which has been evaluated by numerous accreditation bodies.

Datasheet

Approval: NVI | Dose Validation Approval: DNV

AquaShield AD30064

UV (Ultraviolet) water treatment is a chemical-free and environmentally friendly method for managing harmful pathogens in water. This technology is highly effective at damaging the genetic material (DNA and RNA) of microorganisms such as bacteria, viruses, and protozoa. The AD unit will manage energy consumption depending on the UV dose chosen by the operator, either by controlling flow through the unit or dimming of the lamps. Auxiliary equipment, such as CIP-Dosing units, valves, filters, flowmeters and control systems may be offered on request.



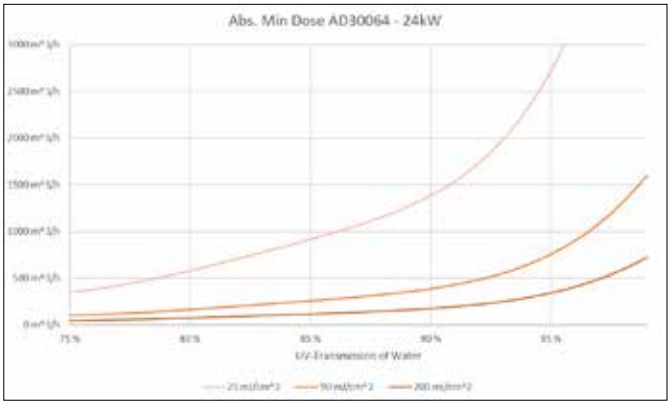
General data

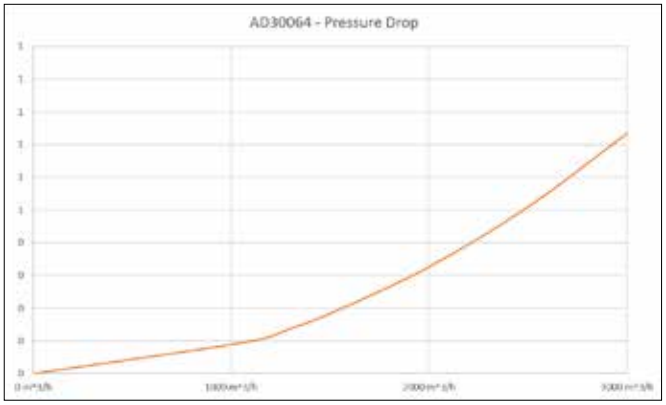
Max flow	Ref. table 1. According to UV-T
Total lamp power [kW]	Max static pressure: 6 bar
Pressure drop	PD= 0,1 bar (At 1100 m^3/h)
Max. Power	24 kW
Min. Power	7,2 kW
UV lights	6 pcs
Lamp type	Medium pressure
Lamp power	4 kW
Lamp feeder cables	3 pcs.
Recirculation flanges	DN40 + DN50 connection EN1092-1, PN10.
Main Flange size	Bolt pattern acc. To EN1092-1, DN300, PN10. ID: 369mm (SDR 26)
Body material	EN. 1.4410

Volume (Liters)	60 L
Dry Weight (kg)	100kg
Wet Weight (kg)	160kg
Dimensions (LxWxH) mm.	600x680x508
Conditions running	Operation temperature Ambient 0-45 °C
Operation voltage	3 x 400 – 480 Volt AC (50 – 60 Hz) (lamp drivers required)
Communication	Profinet IP
Installation area	NON-ATEX, ATEX ZONE 1 available.
Orientation	Vertical or horizontal position around the lamps axis. Bidirectional
Class of protection	IP55
Safety	EN 62477
EMC	EN 55011 EN 61000-3-3 EN 61000-6-2

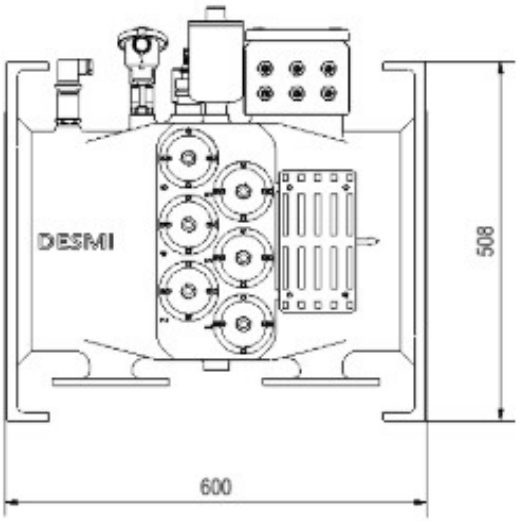
All measurements are in mm

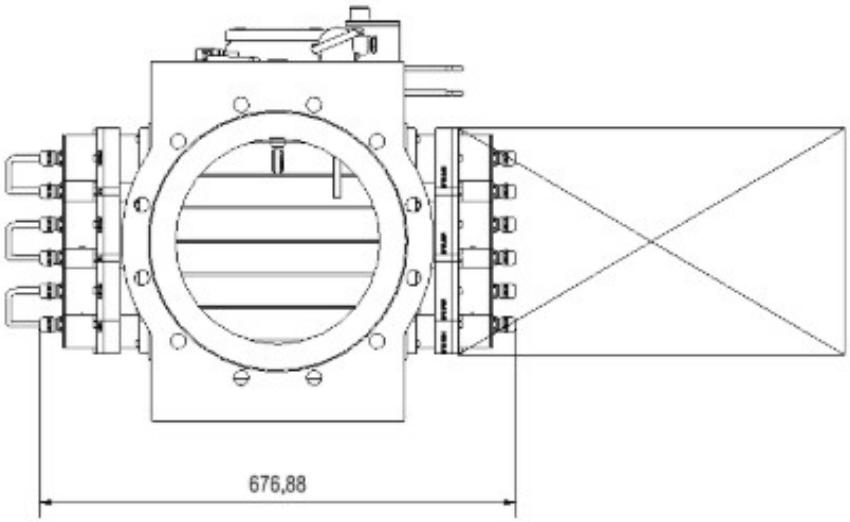
Performance table





Dimensional drawings





*Minimum Dose means the amount of UV-C light (254nm) absorbed by the particle passing through the UV-Unit receiving the absolute least, thus meaning all other particles will receive more. This dose is based on extensive CFD simulations and verified through 3rd party bio-dosimetry testing, which has been evaluated by numerous accreditation bodies.

Datasheet

Approval: NVI | Dose Validation Approval: DNV

AquaShield AD40066

UV (Ultraviolet) water treatment is a chemical-free and environmentally friendly method for managing harmful pathogens in water. This technology is highly effective at damaging the genetic material (DNA and RNA) of microorganisms such as bacteria, viruses, and protozoa. The AD unit will manage energy consumption depending on the UV dose chosen by the operator, either by controlling flow through the unit or dimming of the lamps. Auxiliary equipment, such as CIP-Dosing units, valves, filters, flowmeters and control systems may be offered on request.

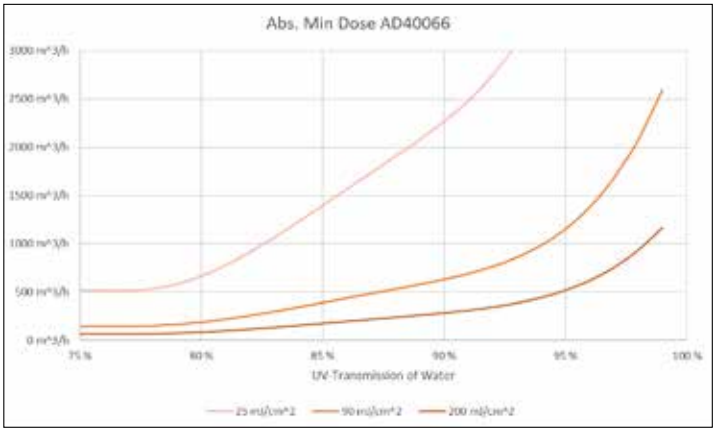
General data

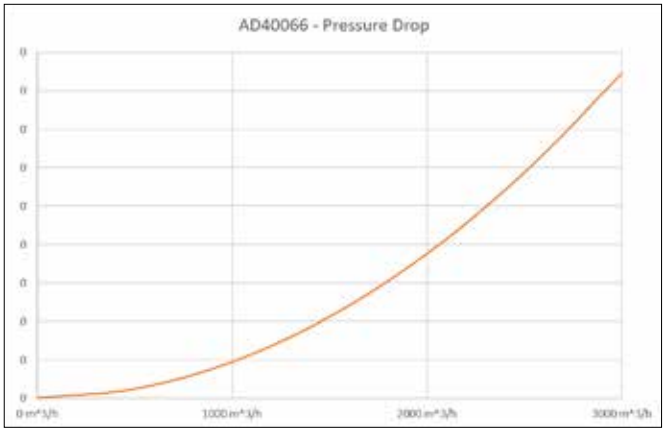
Max flow	Ref. table 1. According to UV-T
Total lamp power [kW]	Max static pressure: 6 bar
Pressure drop	PD= 0,1 bar (At 2300 m^3/h)
Max. Power	36 kW
Min. Power	10,8 kW
UV lights	6 pcs
Lamp type	Medium pressure
Lamp power	6 kW
Lamp feeder cables	3 pcs.
Recirculation flanges	DN40 + DN50 connection EN1092-1, PN10.
Main Flange size	Bolt pattern acc. To EN1092-1, DN400, PN10. ID: 369mm (SDR 26)
Body material	EN. 1.4410

Volume (Liters)	102 L
Dry Weight (kg)	108kg
Wet Weight (kg)	210kg
Dimensions (LxWxH) mm.	700x950x620
Conditions running	Operation temperature Ambient 0-45 °C
Operation voltage	3 x 400 – 480 Volt AC (50 – 60 Hz) (lamp drivers required)
Communication	Profinet IP
Installation area	NON-ATEX, ATEX ZONE 1 available.
Orientation	Vertical or horizontal position around the lamps axis. Bidirectional
Class of protection	IP55
Safety	EN 62477
EMC	EN 55011 EN 61000-3-3 EN 61000-6-2

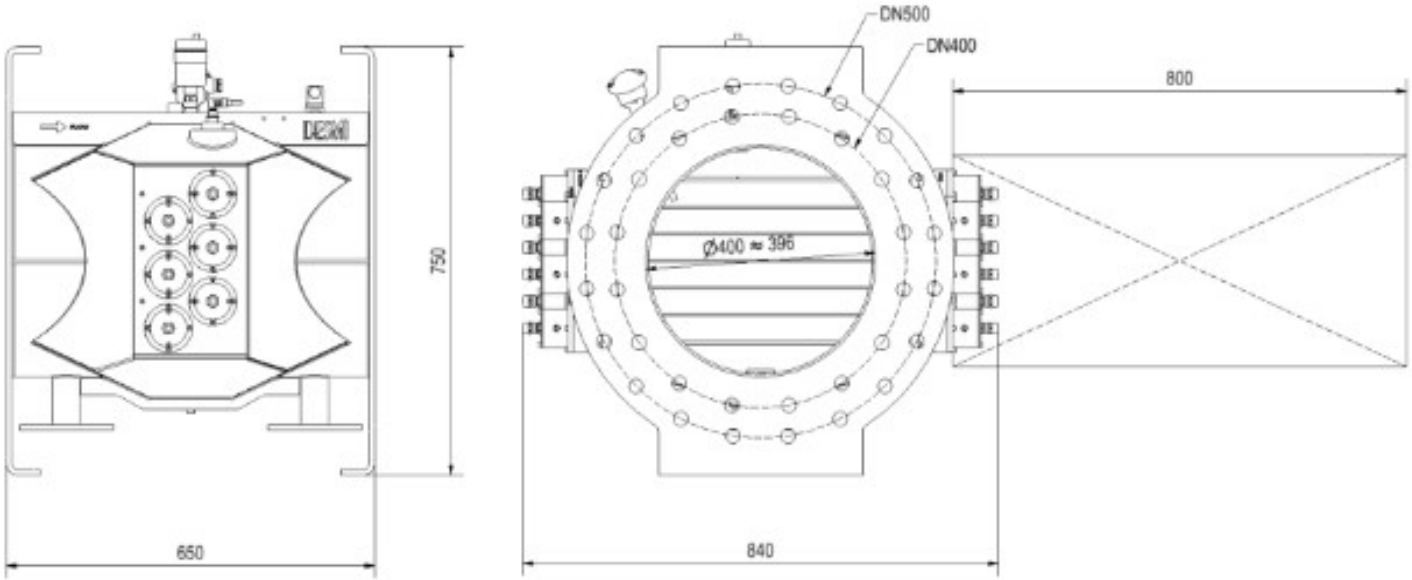
All measurements are in mm

Performance table





Dimensional drawings



*Minimum Dose means the amount of UV-C light (254nm) absorbed by the particle passing through the UV-Unit receiving the absolute least, thus meaning all other particles will receive more. This dose is based on extensive CFD simulations and verified through 3rd party bio-dosimetry testing, which has been evaluated by numerous accreditation bodies.

Datasheet

Approval: NVI | Dose Validation Approval: DNV

AquaShield AD50086

UV (Ultraviolet) water treatment is a chemical-free and environmentally friendly method for managing harmful pathogens in water. This technology is highly effective at damaging the genetic material (DNA and RNA) of microorganisms such as bacteria, viruses, and protozoa. The AD unit will manage energy consumption depending on the UV dose chosen by the operator, either by controlling flow through the unit or dimming of the lamps. Auxiliary equipment, such as CIP-Dosing units, valves, filters, flowmeters and control systems may be offered on request.

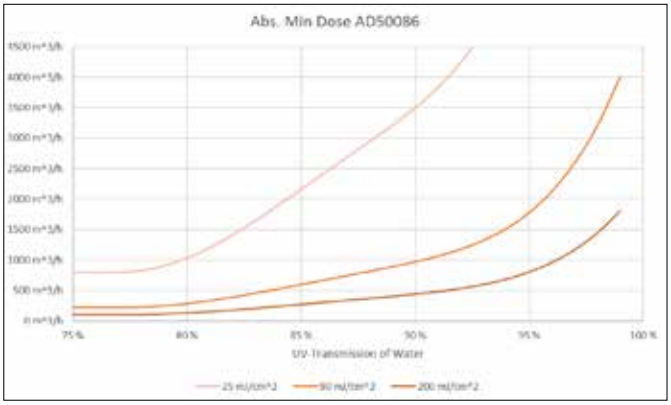
General data

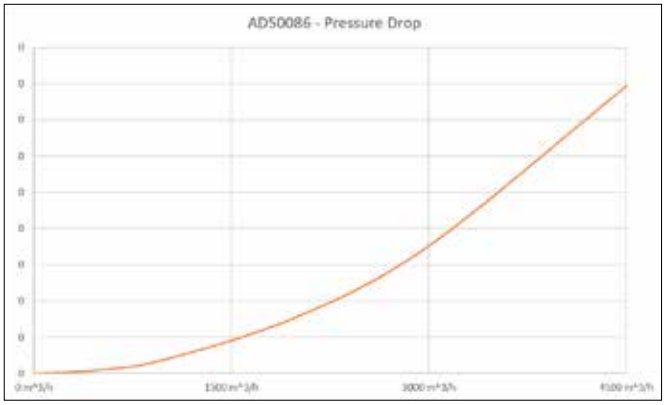
Max flow	Ref. table 1. According to UV-T
Total lamp power [kW]	Max static pressure: 6 bar
Pressure drop	PD= 0,1 bar (At 3550 m^3/h)
Max. Power	48 kW
Min. Power	14,4 kW
UV lights	8 pcs
Lamp type	Medium pressure
Lamp power	6 kW
Lamp feeder cables	4 pcs.
Recirculation flanges	DN40 + DN50 connection EN1092-1, PN10.
Main Flange size	Bolt pattern acc. To EN1092-1, DN500, PN10. ID: 462 (SDR 26)
Body material	EN. 1.4410

Volume (Liters)	155 L
Dry Weight (kg)	153kg (without control box)
Wet Weight (kg)	308kg (Without control box)
Dimensions (LxWxH) mm.	750x840x850
Conditions running	Operation temperature Ambient 0-45 °C
Operation voltage	3 x 400 – 480 Volt AC (50 – 60 Hz) (lamp drivers required)
Communication	Profinet IP
Installation area	NON-ATEX, ATEX ZONE 1 available.
Orientation	Vertical or horizontal position around the lamps axis. Bidirectional
Class of protection	IP55
Safety	EN 62477
EMC	EN 55011 EN 61000-3-3 EN 61000-6-2

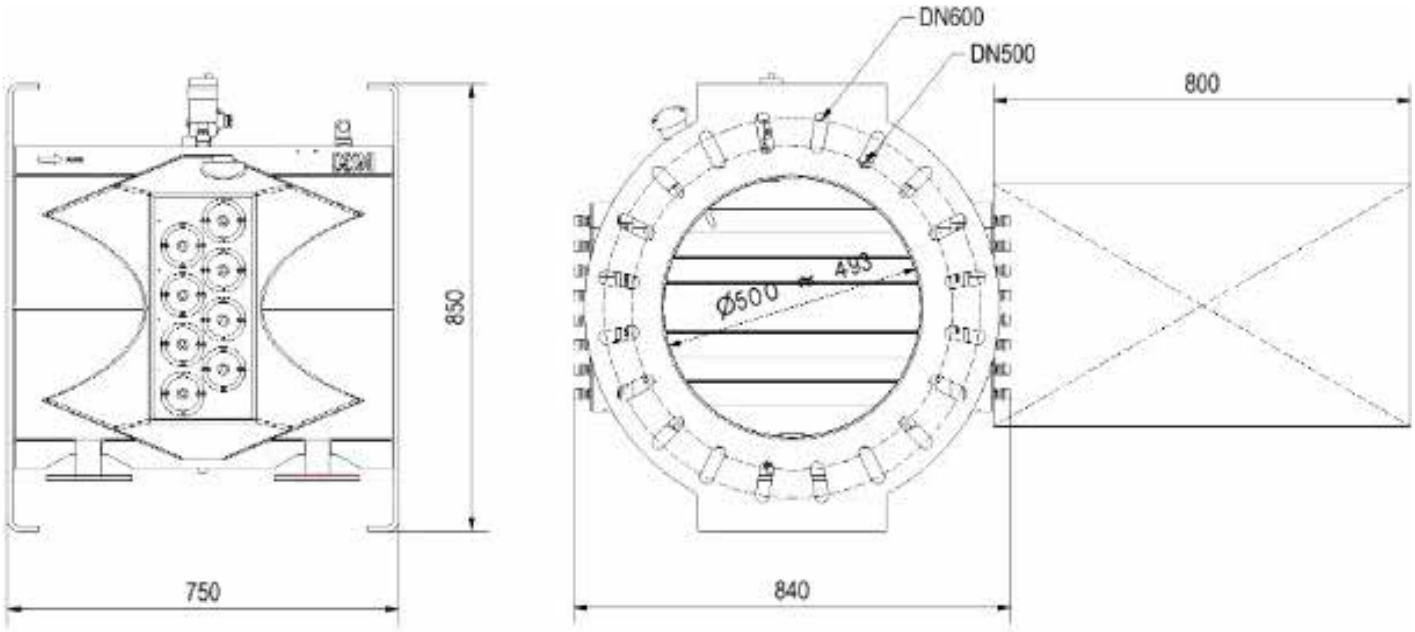
All measurements are in mm

Performance table





Dimensional drawings



*Minimum Dose means the amount of UV-C light (254nm) absorbed by the particle passing through the UV-Unit receiving the absolute least, thus meaning all other particles will receive more. This dose is based on extensive CFD simulations and verified through 3rd party bio-dosimetry testing, which has been evaluated by numerous accreditation bodies.

Datasheet

Approval: NVI | Dose Validation Approval: DNV

AquaShield AD50126

UV (Ultraviolet) water treatment is a chemical-free and environmentally friendly method for managing harmful pathogens in water. This technology is highly effective at damaging the genetic material (DNA and RNA) of microorganisms such as bacteria, viruses, and protozoa. The AD unit will manage energy consumption depending on the UV dose chosen by the operator, either by controlling flow through the unit or dimming of the lamps. Auxiliary equipment, such as CIP-Dosing units, valves, filters, flowmeters and control systems may be offered on request.

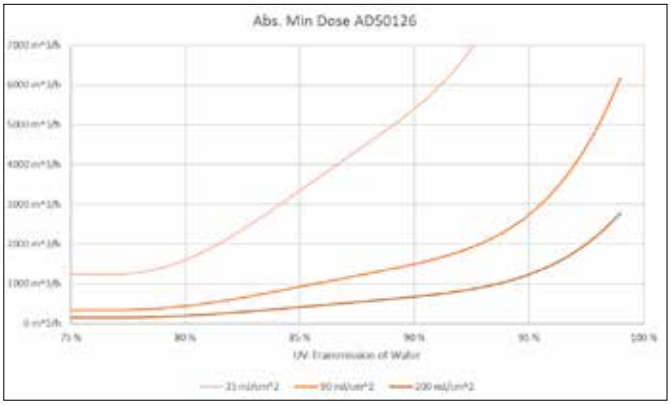
General data

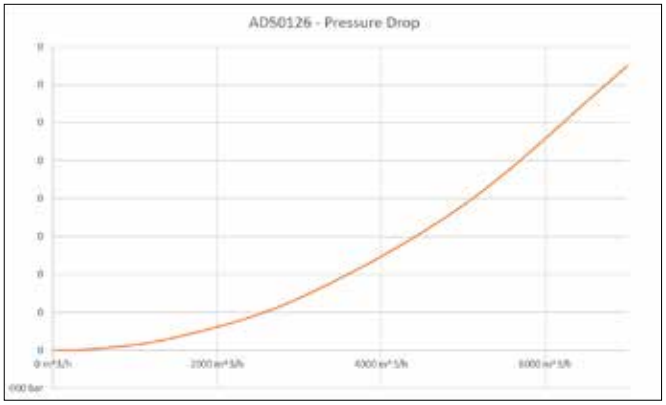
Max flow	Ref. table 1. According to UV-T
Design pressure	6 bar (test pressure: 9 bar)
Pressure drop	PD= 0,1 bar (At 5700 m^3/h)
Max. Power	72 kW
Min. Power	21,6 kW
UV lights	12 pcs
Lamp type	Medium pressure
Lamp power	6 kW
Lamp feeder cables	6 pcs.
Recirculation flanges	DN40 + DN50 connection EN1092-1, PN10.
Main Flange size	Bolt pattern acc. To EN1092-1, DN500, PN10. ID: 462 (SDR 26)
Body material	Casted Super Duplex (EN. 1.4410)

Volume (Liters)	195 L
Dry Weight (kg)	230 kg
Wet Weight (kg)	425 kg
Dimensions (LxWxH) mm.	700x950x825
Conditions running	Operation temperature Ambient 0-45 °C
Operation voltage	3 x 400 – 480 Volt AC (50 – 60 Hz) (lamp drivers requirement)
Communication	Profinet IP
Installation area	NON-ATEX, ATEX ZONE 1 available.
Orientation	Vertical or horizontal position around the lamps axis. Bidirectional
Class of protection	IP55
Safety	EN 62477
EMC	EN 55011, EN 61000-3-3, EN 61000-6-2

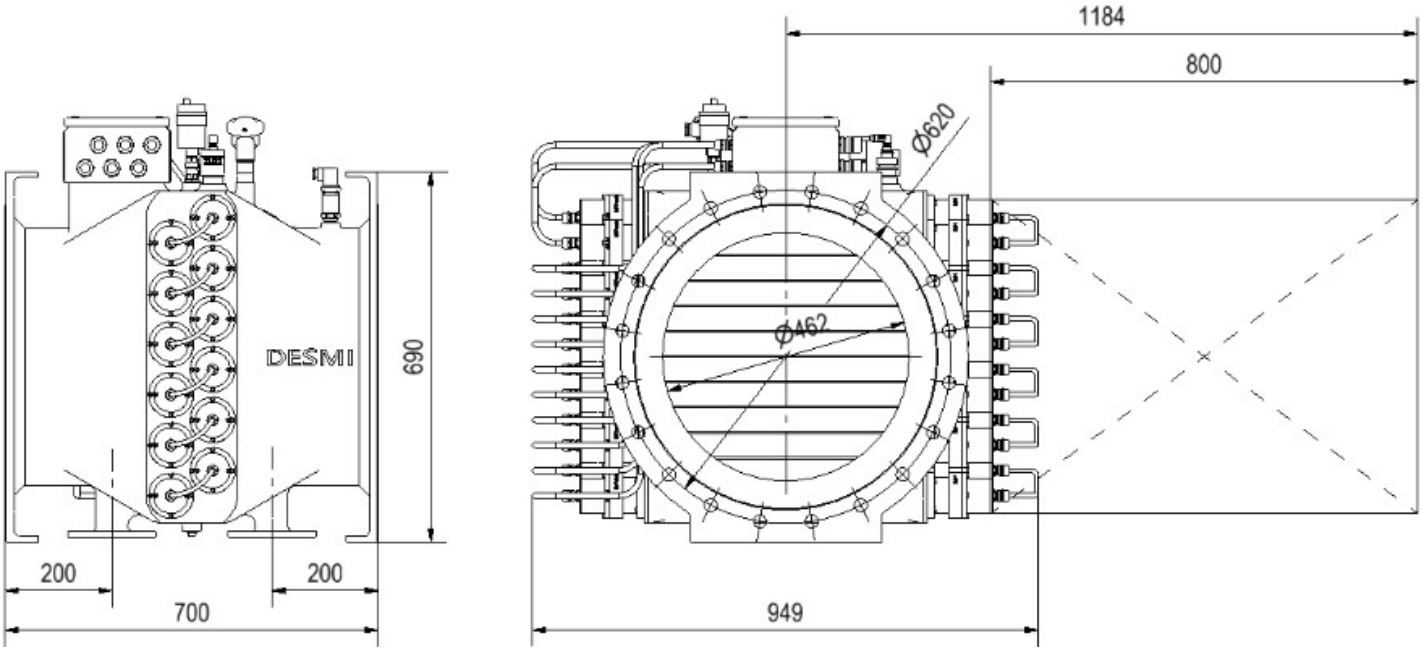
All measurements are in mm

Performance table





Dimensional drawings



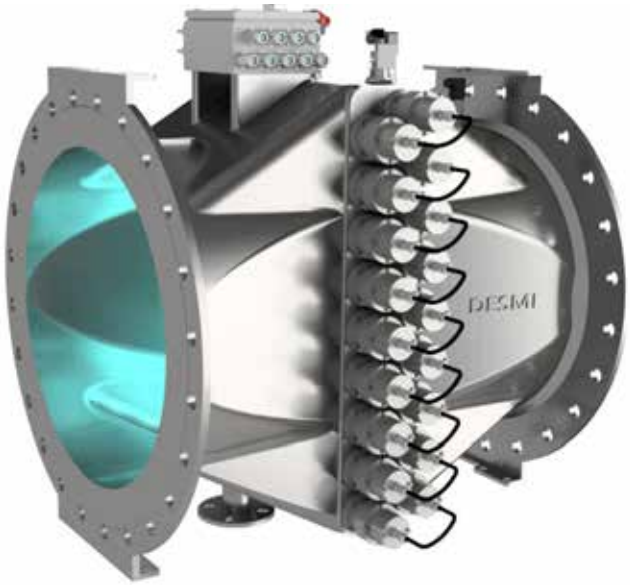
*Minimum Dose means the amount of UV-C light (254nm) absorbed by the particle passing through the UV-Unit receiving the absolute least, thus meaning all other particles will receive more. This dose is based on extensive CFD simulations and verified through 3rd party bio-dosimetry testing, which has been evaluated by numerous accreditation bodies.

Datasheet

Approval: NVI | Dose Validation Approval: DNV

AquaShield AD70186

UV (Ultraviolet) water treatment is a chemical-free and environmentally friendly method for managing harmful pathogens in water. This technology is highly effective at damaging the genetic material (DNA and RNA) of microorganisms such as bacteria, viruses, and protozoa. The AD unit will manage energy consumption depending on the UV dose chosen by the operator, either by controlling flow through the unit or dimming of the lamps. Auxiliary equipment, such as CIP-Dosing units, valves, filters, flowmeters and control systems may be offered on request.



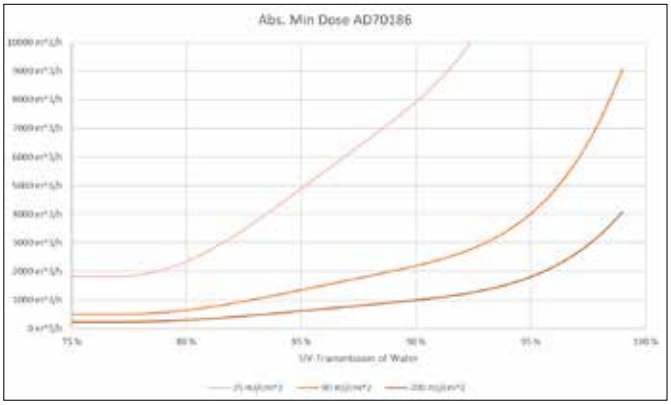
General data

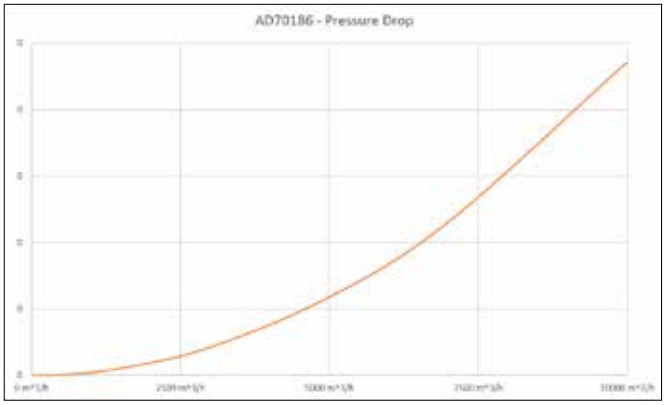
Max flow	Ref. table 1. According to UV-T
Design pressure	Max static pressure: 6 bar
Pressure drop	PD= 0,1 bar (At 6500 m^3/h)
Max. Power	108 kW
Min. Power	32,4 kW
UV lights	18 pcs
Lamp type	Medium pressure
Lamp power	6 kW
Lamp feeder cables	9 pcs
Recirculation flanges	DN40 + DN50 connection EN1092-1, PN10.
Main Flange size	Bolt pattern acc. To EN1092-1, DN700, PN10. ID: 656 (SDR 26)
Body material	EN. 1.4410

Volume (Liters)	438 L
Dry Weight (kg)	369 kg
Wet Weight (kg)	807 kg
Dimensions (LxWxH) mm.	1100x950x1040
Conditions running	Operation temperature Ambient 0-45 °C
Operation voltage	3 x 400 – 480 Volt AC (50 – 60 Hz) (lamp drivers requirement)
Communication	Profinet IP
Installation area	NON-ATEX, ATEX ZONE 1 available.
Orientation	Vertical or horizontal position around the lamps axis. Bidirectional
Class of protection	IP55
Safety	EN 62477
EMC	EN 55011 EN 61000-3-3 EN 61000-6-2

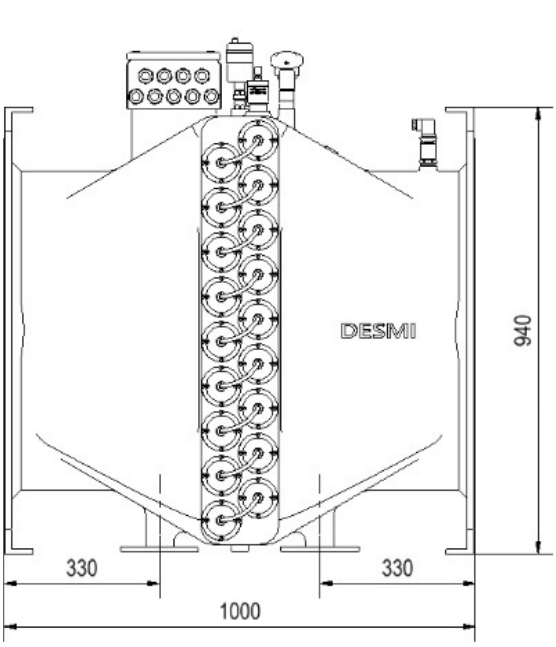
All measurements are in mm

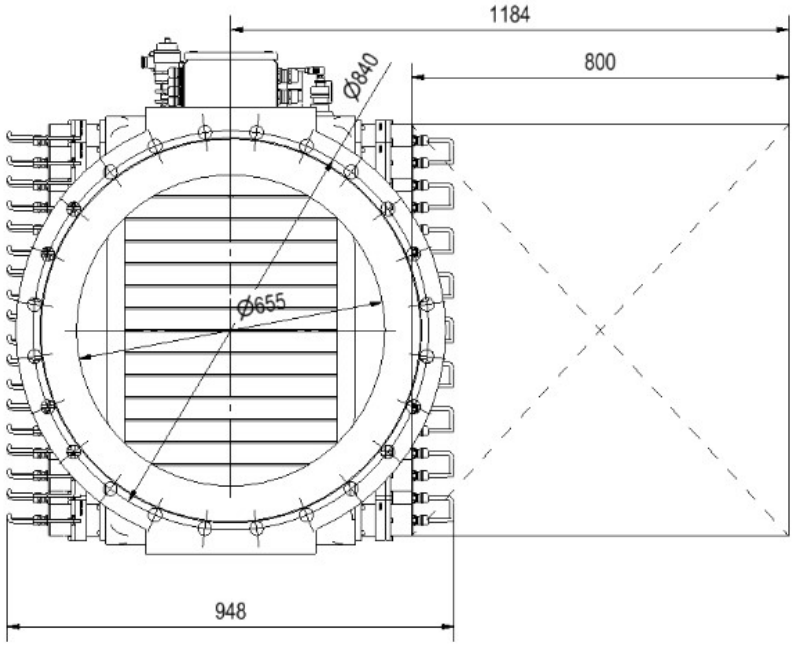
Performance table





Dimensional drawings





*Minimum Dose means the amount of UV-C light (254nm) absorbed by the particle passing through the UV-Unit receiving the absolute least, thus meaning all other particles will receive more. This dose is based on extensive CFD simulations and verified through 3rd party bio-dosimetry testing, which has been evaluated by numerous accreditation bodies.

Datasheet

Approval: NVI | Dose Validation Approval: DNV

AquaShield AD70612

UV (Ultraviolet) water treatment is a chemical-free and environmentally friendly method for managing harmful pathogens in water. This technology is highly effective at damaging the genetic material (DNA and RNA) of microorganisms such as bacteria, viruses, and protozoa. The AD unit will manage energy consumption depending on the UV dose chosen by the operator, either by controlling flow through the unit or dimming of the lamps. Auxiliary equipment, such as CIP-Dosing units, valves, filters, flowmeters and control systems may be offered on request.

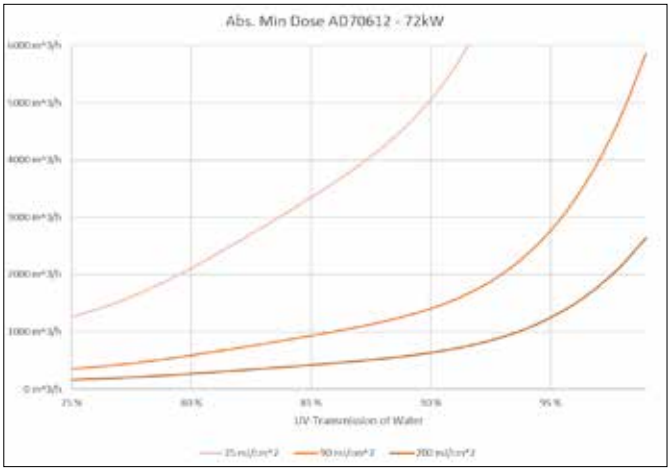
General data

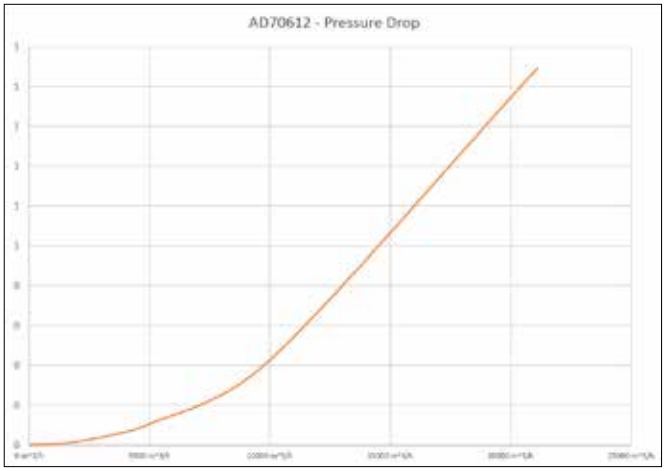
Max flow	Ref. table 1. According to UV-T
Design pressure	Max static pressure: 6 bar
Pressure drop	PD= 0,1 bar (At 6860 m^3/h)
Max. Power	72 kW
Min. Power	21,6 kW
UV lights	6 pcs
Lamp type	Medium pressure
Lamp power	12 kW
Lamp feeder cables	6 pcs.
Recirculation flanges	DN40 + DN50 connection EN1092-1, PN10.
Main Flange size	Bolt pattern acc. To EN1092-1, DN700, PN10. ID: 655 (SDR 26)
Body material	EN. 1.4410

Volume (Liters)	485 L
Dry Weight (kg)	300 kg
Wet Weight (kg)	785 kg
Dimensions (LxWxH) mm.	1000x976x1340
Conditions running	Operation temperature Ambient 0-45 °C
Operation voltage	3 x 400 – 480 Volt AC (50 – 60 Hz) (lamp drivers requirement)
Communication	Profinet IP
Installation area	NON-ATEX, ATEX ZONE 1 available.
Orientation	Vertical or horizontal position around the lamps axis. Bidirectional
Class of protection	IP55
Safety	EN 62477
EMC	EN 55011 EN 61000-3-3 EN 61000-6-2

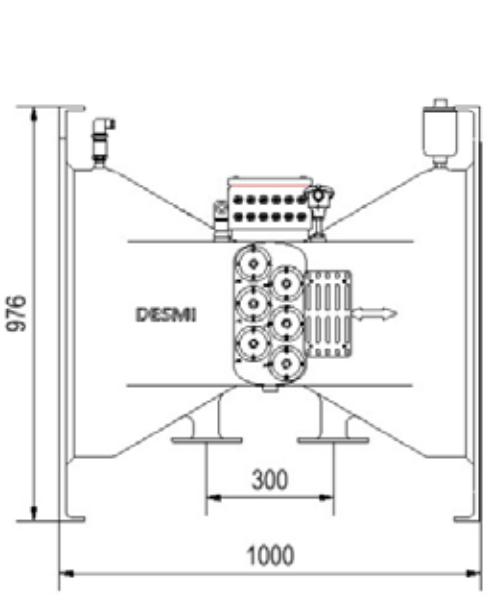
All measurements are in mm

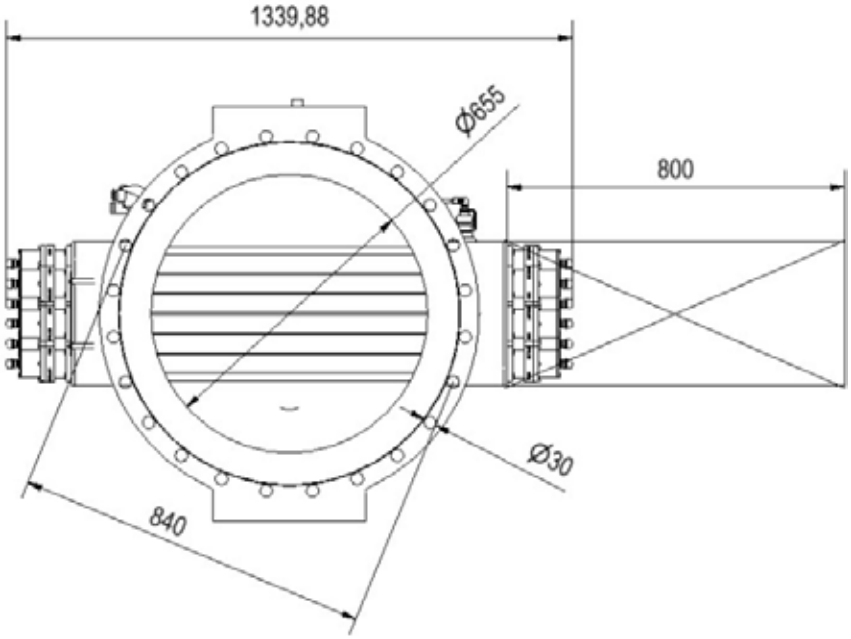
Performance table





Dimensional drawings





*Minimum Dose means the amount of UV-C light (254nm) absorbed by the particle passing through the UV-Unit receiving the absolute least, thus meaning all other particles will receive more. This dose is based on extensive CFD simulations and verified through 3rd party bio-dosimetry testing, which has been evaluated by numerous accreditation bodies.

Datasheet

Approval: NVI | Dose Validation Approval: DNV

AquaShield AD70912

UV (Ultraviolet) water treatment is a chemical-free and environmentally friendly method for managing harmful pathogens in water. This technology is highly effective at damaging the genetic material (DNA and RNA) of microorganisms such as bacteria, viruses, and protozoa. The AD unit will manage energy consumption depending on the UV dose chosen by the operator, either by controlling flow through the unit or dimming of the lamps. Auxiliary equipment, such as CIP-Dosing units, valves, filters, flowmeters and control systems may be offered on request.

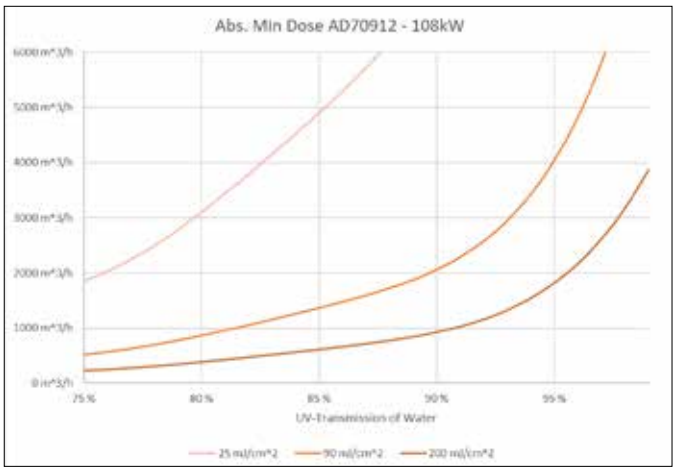
General data

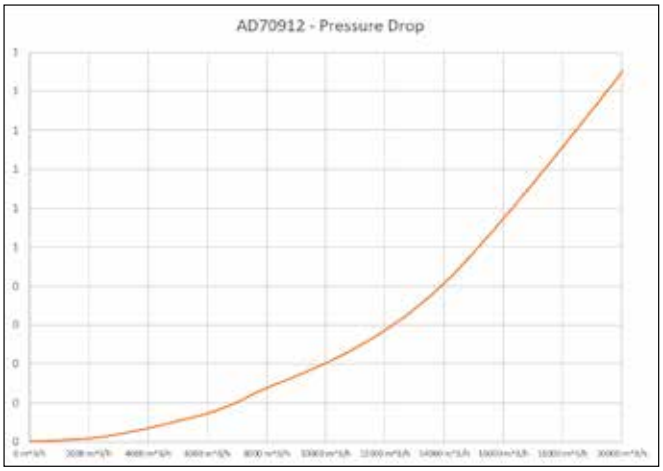
Max flow	Ref. table 1. According to UV-T
Design pressure	Max static pressure: 6 bar
Pressure drop	PD= 0,1 bar (At 6860 m^3/h)
Max. Power	108 kW
Min. Power	32,4 kW
UV lights	9 pcs
Lamp type	Medium pressure
Lamp power	12 kW
Lamp feeder cables	9 pcs.
Recirculation flanges	DN40 + DN50 connection EN1092-1, PN10.
Main Flange size	Bolt pattern acc. To EN1092-1, DN700, PN10. ID: 656 (SDR 26)
Body material	EN. 1.4410

Volume (Liters)	445 L
Dry Weight (kg)	320 kg
Wet Weight (kg)	765 kg
Dimensions (LxWxH) mm.	1000x930x1340
Conditions running	Operation temperature Ambient 0-45 °C
Operation voltage	3 x 400 – 480 Volt AC (50 – 60 Hz) (lamp drivers requirement)
Communication	Profinet IP
Installation area	NON-ATEX, ATEX ZONE 1 available.
Orientation	Vertical or horizontal position around the lamps axis. Bidirectional
Class of protection	IP55
Safety	EN 62477
EMC	EN 55011 EN 61000-3-3 EN 61000-6-2

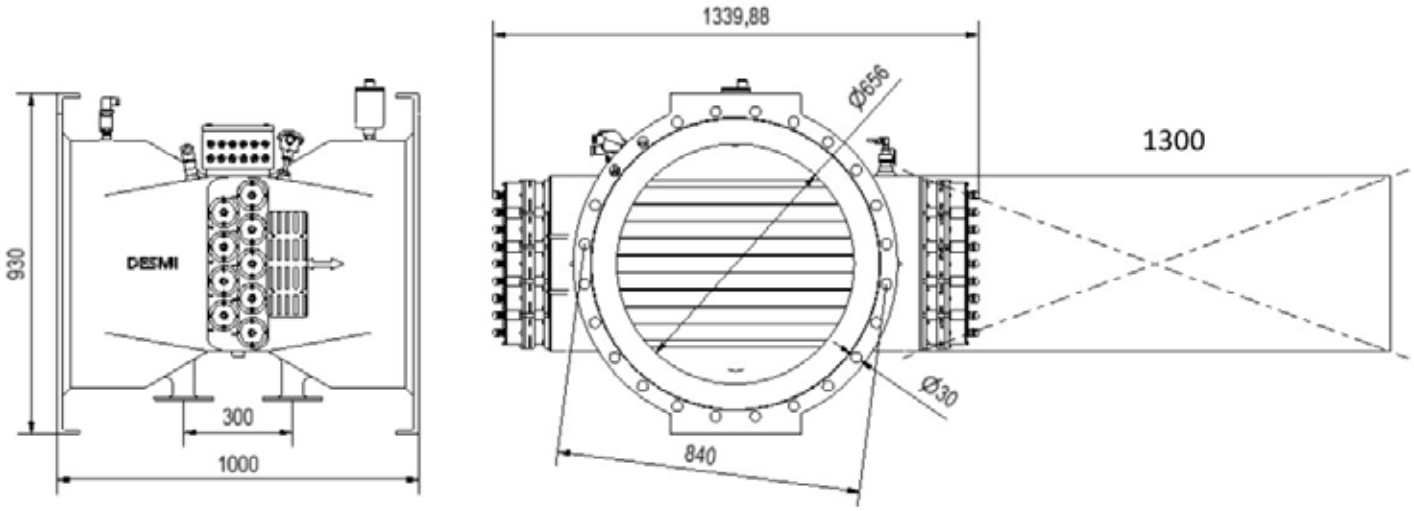
All measurements are in mm

Performance table





Dimensional drawings



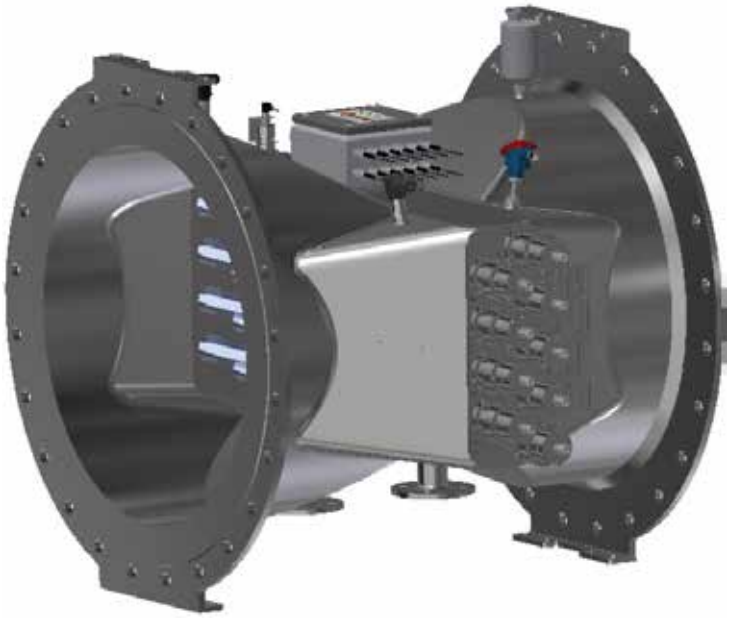
*Minimum Dose means the amount of UV-C light (254nm) absorbed by the particle passing through the UV-Unit receiving the absolute least, thus meaning all other particles will receive more. This dose is based on extensive CFD simulations and verified through 3rd party bio-dosimetry testing, which has been evaluated by numerous accreditation bodies.

Datasheet

Approval: NVI | Dose Validation Approval: DNV

AquaShield AD80912

UV (Ultraviolet) water treatment is a chemical-free and environmentally friendly method for managing harmful pathogens in water. This technology is highly effective at damaging the genetic material (DNA and RNA) of microorganisms such as bacteria, viruses, and protozoa. The AD unit will manage energy consumption depending on the UV dose chosen by the operator, either by controlling flow through the unit or dimming of the lamps. Auxiliary equipment, such as CIP-Dosing units, valves, filters, flowmeters and control systems may be offered on request.



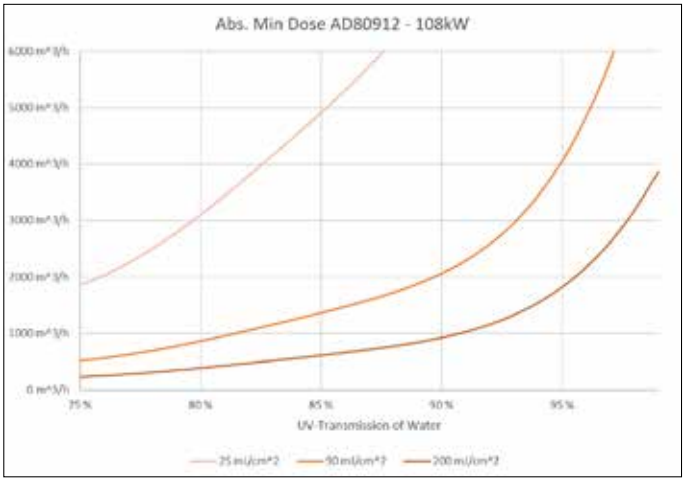
General data

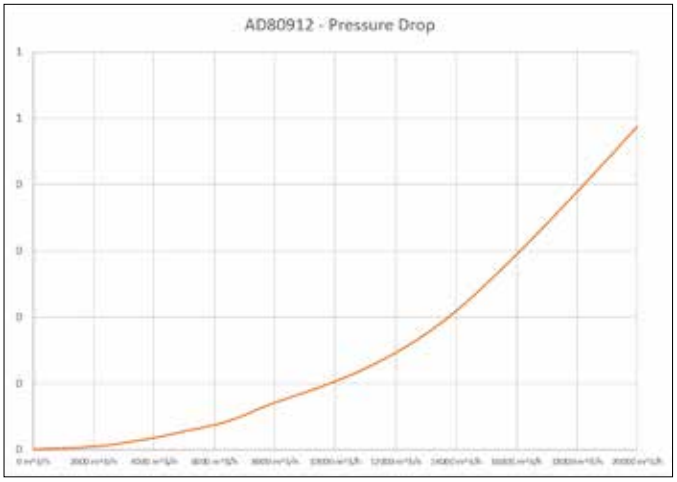
Max flow	Ref. table 1. According to UV-T
Design pressure	Max static pressure: 6 bar
Pressure drop	PD= 0,1 bar (At 9600 m^3/h)
Max. Power	108 kW
Min. Power	32,4 kW
UV lights	9 pcs
Lamp type	Medium pressure
Lamp power	12 kW
Lamp feeder cables	9 pcs.
Recirculation flanges	DN40 + DN50 connection EN1092-1, PN10.
Main Flange size	Bolt pattern acc. To EN1092-1, DN800, PN10. ID: 739 (SDR 26)
Body material	EN. 1.4410

Volume (Liters)	438 L
Dry Weight (kg)	369 kg
Wet Weight (kg)	807 kg
Dimensions (LxWxH) mm.	1000x1040x1340
Conditions running	Operation temperature Ambient 0-45 °C
Operation voltage	3 x 400 – 480 Volt AC (50 – 60 Hz) (lamp drivers requirement)
Communication	Profinet IP
Installation area	NON-ATEX, ATEX ZONE 1 available.
Orientation	Vertical or horizontal position around the lamps axis. Bidirectional
Class of protection	IP55
Safety	EN 62477
EMC	EN 55011 EN 61000-3-3 EN 61000-6-2

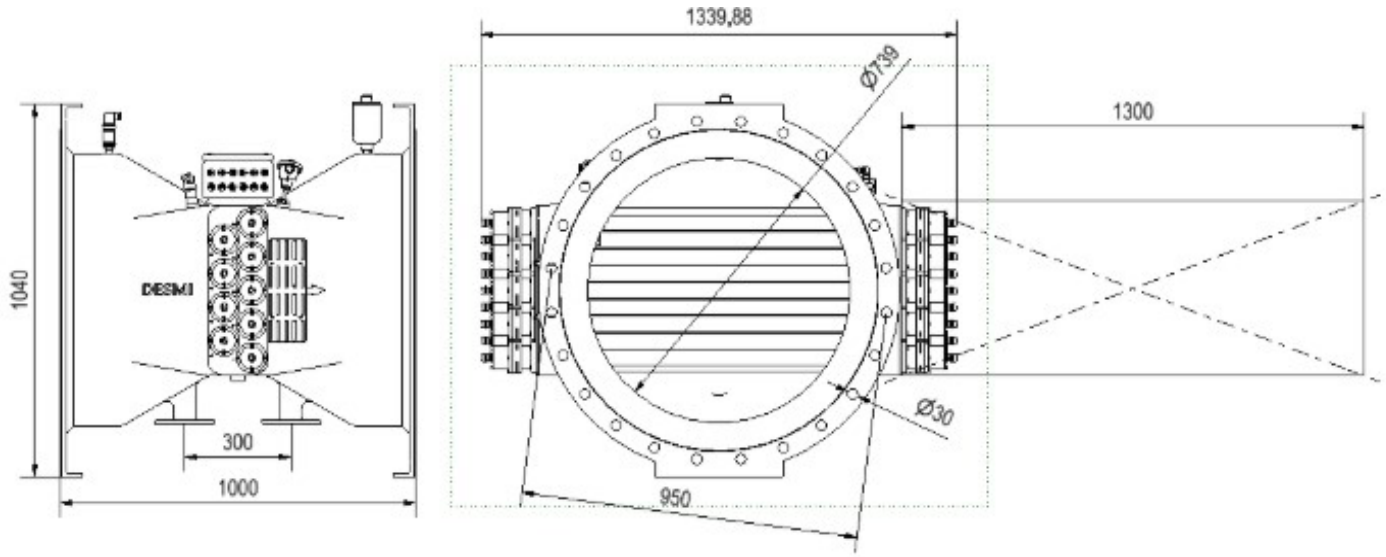
All measurements are in mm

Performance table





Dimensional drawings



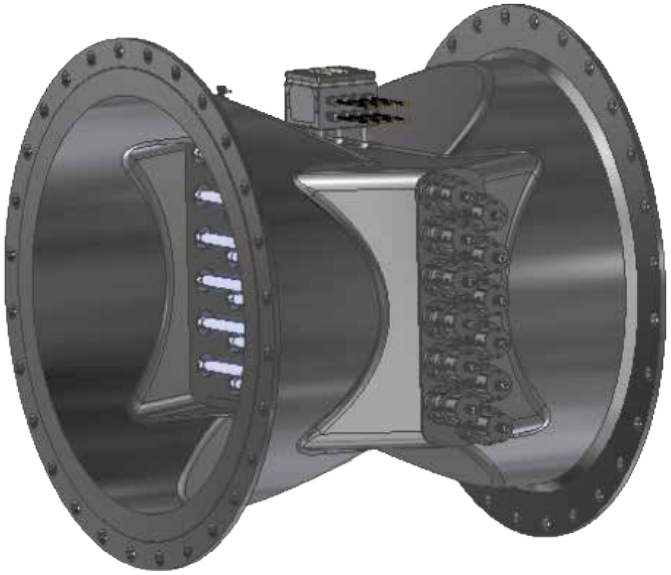
*Minimum Dose means the amount of UV-C light (254nm) absorbed by the particle passing through the UV-Unit receiving the absolute least, thus meaning all other particles will receive more. This dose is based on extensive CFD simulations and verified through 3rd party bio-dosimetry testing, which has been evaluated by numerous accreditation bodies.

Datasheet

Approval: NVI | Dose Validation Approval: DNV

AquaShield AD11212

UV (Ultraviolet) water treatment is a chemical-free and environmentally friendly method for managing harmful pathogens in water. This technology is highly effective at damaging the genetic material (DNA and RNA) of microorganisms such as bacteria, viruses, and protozoa. The AD unit will manage energy consumption depending on the UV dose chosen by the operator, either by controlling flow through the unit or dimming of the lamps. Auxiliary equipment, such as CIP-Dosing units, valves, filters, flowmeters and control systems may be offered on request.



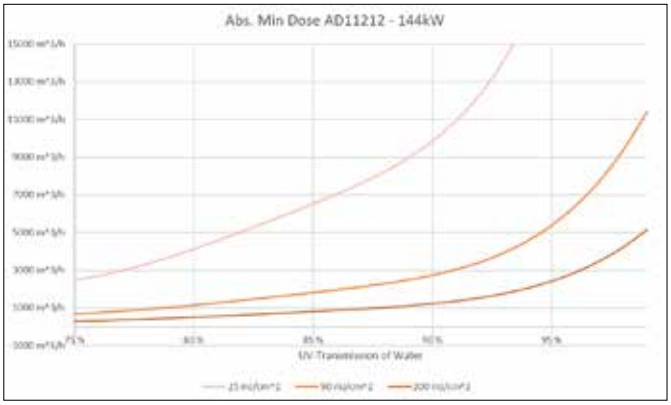
General data

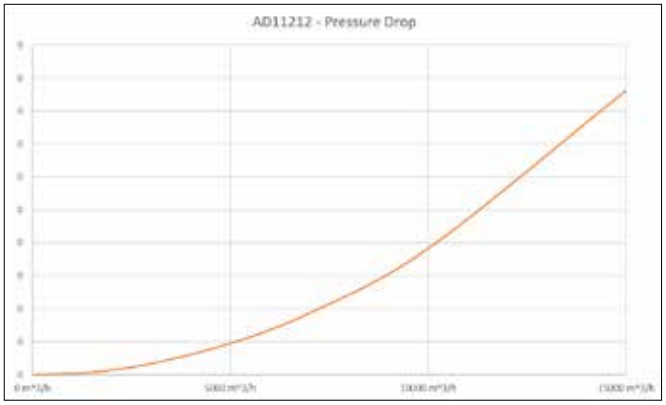
Max flow	Ref. table 1. According to UV-T
Total lamp power [kW]	Max static pressure: 6 bar
Pressure drop	PD= 0,01 bar (At 5000 m^3/h)
Max. Power	144 kW
Min. Power	43,2 kW
UV lights	12 pcs
Lamp type	Medium pressure
Lamp power	12 kW
Lamp feeder cables	12 pcs.
Recirculation flanges	DN40 + DN50 connection EN1092-1, PN10.
Main Flange size	Bolt pattern acc. To EN1092-1, DN1000, PN10. ID: 923 (SDR 26)
Body material	EN. 1.4410

Volume (Liters)	485 L
Dry Weight (kg)	375 kg
Wet Weight (kg)	860 kg
Dimensions (LxWxH) mm.	1000x1350x1175
Conditions running	Operation temperature Ambient 0-45 °C
Operation voltage	3 x 400 – 480 Volt AC (50 – 60 Hz) (lamp drivers requirement)
Communication	Profinet IP
Installation area	1NON-ATEX, ATEX ZONE 1 available.
Orientation	Vertical or horizontal position around the lamps axis. Bidirectional
Class of protection	IP55
Safety	EN 62477
EMC	EN 55011 EN 61000-3-3 EN 61000-6-2

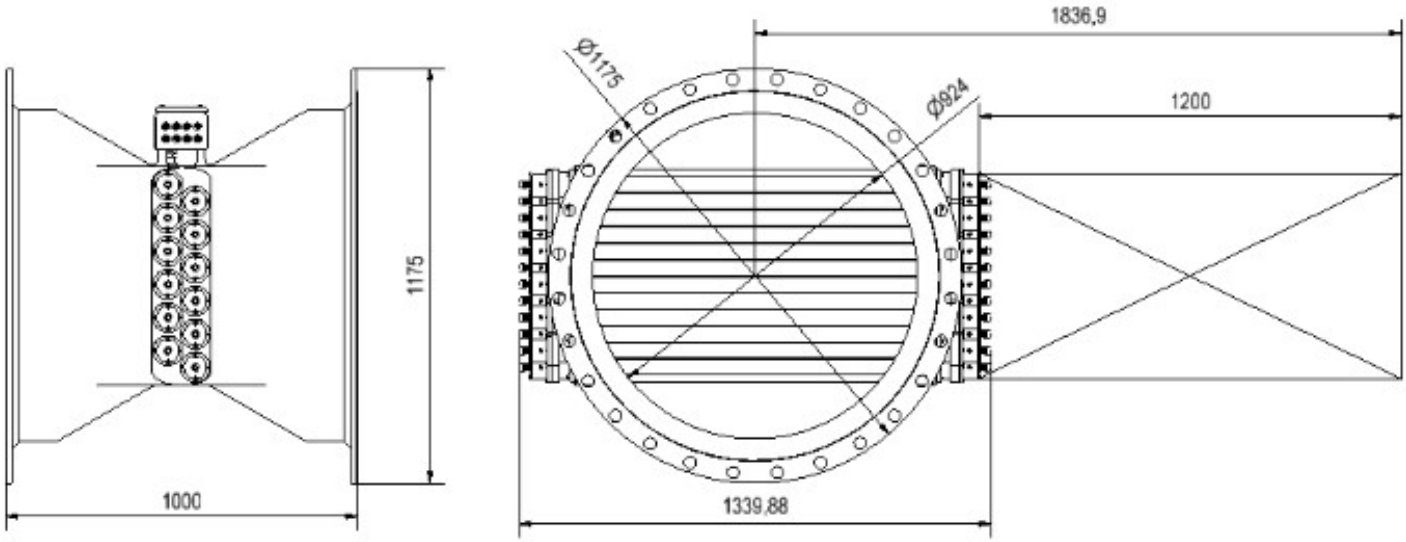
All measurements are in mm

Performance table





Dimensional drawings



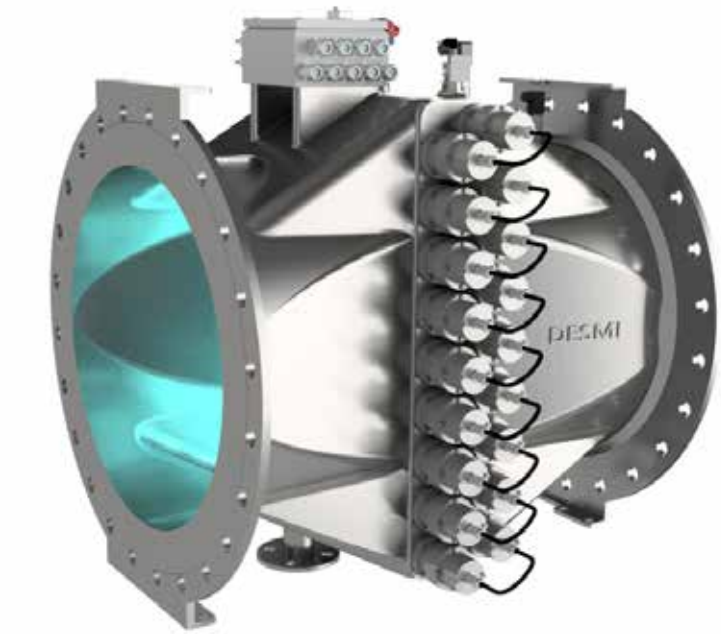
*Minimum Dose means the amount of UV-C light (254nm) absorbed by the particle passing through the UV-Unit receiving the absolute least, thus meaning all other particles will receive more. This dose is based on extensive CFD simulations and verified through 3rd party bio-dosimetry testing, which has been evaluated by numerous accreditation bodies.

Datasheet

Approval: NVI | Dose Validation Approval: DNV

AquaShield AD11812

UV (Ultraviolet) water treatment is a chemical-free and environmentally friendly method for managing harmful pathogens in water. This technology is highly effective at damaging the genetic material (DNA and RNA) of microorganisms such as bacteria, viruses, and protozoa. The AD unit will manage energy consumption depending on the UV dose chosen by the operator, either by controlling flow through the unit or dimming of the lamps. Auxiliary equipment, such as CIP-Dosing units, valves, filters, flowmeters and control systems may be offered on request.



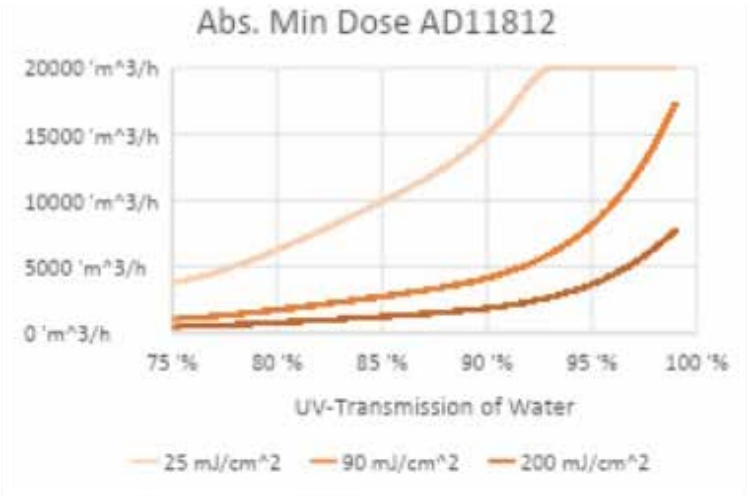
General data

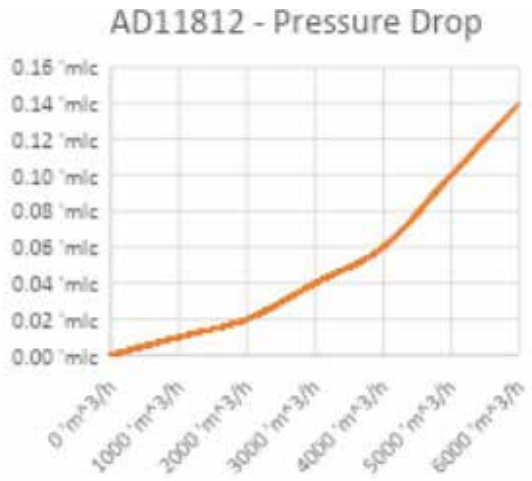
Max flow	Ref. table 1. According to UV-T
Total lamp power [kW]	Max static pressure: 6 bar
Pressure drop	PD= 0,01 bar (At 5000 m^3/h)
Max. Power	216 kW
Min. Power	64,8 kW
UV lights	18 pcs
Lamp type	Medium pressure
Lamp power	12 kW
Lamp feeder cables	18 pcs.
Recirculation flanges	DN40 + DN50 connection EN1092-1, PN10.
Main Flange size	Bolt pattern acc. To EN1092-1, DN1000, PN10. ID: 923 (SDR 26)
Body material	EN. 1.4410

Volume (Liters)	512 L
Dry Weight (kg)	415 kg
Wet Weight (kg)	927 kg
Dimensions (LxWxH) mm.	1100x1350x1175
Conditions running	Operation temperature Ambient 0-45 °C
Operation voltage	3 x 400 – 480 Volt AC (50 – 60 Hz) (lamp drivers requirement)
Communication	Profinet IP
Installation area	NON-ATEX, ATEX ZONE 1 available.
Orientation	Vertical or horizontal position around the lamps axis. Bidirectional
Class of protection	IP55
Safety	EN 62477
EMC	EN 55011 EN 61000-3-3 EN 61000-6-2

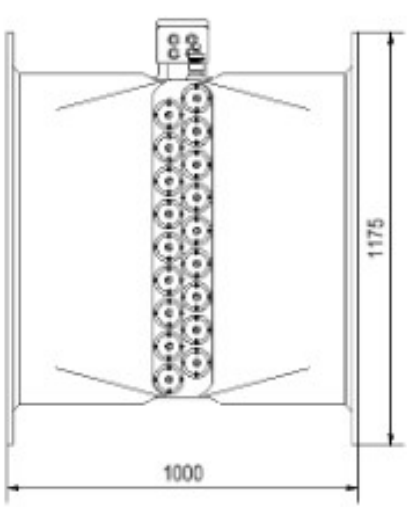
All measurements are in mm

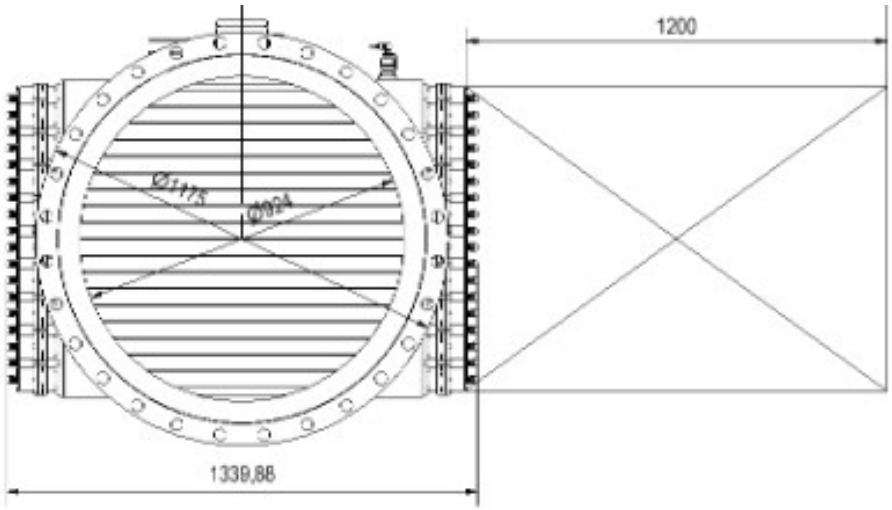
Performance table





Dimensional drawings





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Customer Stories

Danish Salmon

...says YES to the DESMI AquaShield

The implementation of the AquaShield UV system in Danish Salmon's RAS operations serves as a prime example of the efficacy of this technology in intake water treatment. They have reported that the system works smoothly and is easy to operate and maintain. Danish Salmon is currently expanding the fish farm significantly and due to that - the new AquaShield system is installed at a temporary location.

This is easy accommodated with the SKID-based solution where the system is prefabricated at DESMI's factory. When Danish Salmon is ready for the permanent placement – this is done in less than a day. Finally, Danish Salmon reports that the extensive IoT monitoring platform gives great insight into the performance of the system.

Call the
DESMI Service
Hotline round the
clock at
+45 96 32 81 10

After-sales and service

from DESMI Service

Call us anytime and let us know what you need: Our global after-sales and service department DESMI Service offers parts and services that keep your aquaculture operation running.

Our spare part kits cover several pumps and contain the parts you need for overhauls, for example shaft seals, bearings, and O-rings. You can also order individual spare parts as needed, and for some parts or products, we ship within 48 hours.

Our highly experienced and factory trained service teams provide a long list of onsite services, from installation and commissioning to service, repair, upgrades, and maintenance, plus training and technical support – whatever it takes to optimize your critical flow processes.

Overhaul Videos

We exist to keep your business flowing

DESMI works closely with aquaculture engineers, designers, and owners to keep critical production processes flowing reliably and efficiently on fish farms on land and at sea, anywhere on the planet. Our pumps, UV treatment systems, IoT offerings, and after-sales service are trusted worldwide for dependability and the lowest total cost of ownership.

At DESMI, our focus has never been on discovering what we can do – it's about pushing the boundaries of what we can do for you, no matter which type of facility and what species you work with. We help you ensure optimal production environments that keep fish stocks healthy and safe and keep your business profitable.
Founded in Denmark in 1834, we have provided the expertise, solutions, and aftermarket support our customers need for nearly two centuries. We help you operate more efficiently and reliably, enabling your ambitions for performance, food safety, and growth whilst helping you reduce your climate impact.

Together, we can make a difference, whatever the future holds. Because we, like you, are here to **make life flow**.
For more information, visit **desmi.com**

DESMI A/S
Tagholm 1
DK-9400 Nørresundby
Tel.: +45 96 32 81 11

DESMI
Make life flow