



# POOL LINE range

- designed and supplied for Pools



**Aquaservice**  
Made in Norway



- Filters down to 5 micron
- Self Cleaning Automatic Filter
- No media
- No waste products
- Low head loss
- HDPE housing
- Low weight
- Corrosion free housing
- Continuous flow



FOTO: ABONJE RINGA-PEXELS.COM

Standard for all Aquafilter models is a strainer insert made of stainless steel or super duplex with a V-shaped form for efficient filtration and backflush.

The specially developed strainer inserts are designed for efficient filtration at the lowest possible pressure drop. The filter has an efficient backflush process even at low pressure levels.



Triple Action Pool Line filter

**The first ever patented Self Cleaning Automatic Filter designed and sized especially for the aquatics market, following NSF guidelines.**

Aquaservice has developed and supplied reliable filters for more than 40 years. We are a leading supplier of self-cleaning industrial filters.

Our filters with the tough and durable, precision crafted - corrosion free - HDPE housing are a natural choice for durable filters in demanding environments.

## Specifications

Filters	Max flow 5 micron	Max flow 10 micron	Connection	Pressure	Width (mm)	Length (mm)	Strainer inserts per filter
AF355-PL	27 m <sup>3</sup> /h	43 m <sup>3</sup> /h	DN80 or DN100	10 bar	400	1450	1
AF560-PL	54 m <sup>3</sup> /h	107 m <sup>3</sup> /h	DN100	10 bar	600	1850	1
AF630-PL	90 m <sup>3</sup> /h	175 m <sup>3</sup> /h	DN150	10 bar	700	2200	1

These are standardised filters. Please note that we can tailormake filters for your specific needs.



## For maximum efficiency:

Combine the Pool Line filter with the PoolPolisher filter.

The Aquafilter Pool Polisher is a simple filtration solution for pools. Made from HDPE (High-Density Polyethylene), it works seamlessly with the Aquafilter Pool line filter. It effectively ensures flow and optimal treatment during backflushing and servicing.

The two-stage filtration system provides consistent 5-micron filtration, which helps maintain low turbidity in the pool water, ensuring it stays clear and clean. This is particularly important for pools that require efficient filtration during maintenance periods, such as servicing, which typically disrupts water flow.

### Partial Flow Filter:

The filter is designed to treat a partial part of the total flow.

### Polishing the Water Over Time:

The filter is for finer filtration at a later stage in the filtration removing finer particles after the bulk of the filtration has been done.

### Depth Filtration:

The filter material works by capturing particles within its depth, rather than just on the surface. This type of filtration allows for greater dirt-holding capacity and is effective at removing a wide range of particulate sizes.

### Servicing/Maintenance for Main Pressure Filter:

The partial flow filter is used in conjunction with and during the servicing of the Pool Line Filter. It helps ensure continued filtration when the Pool Line filter is undergoing maintenance.

### Easy to Change Filter Bags:

The design includes user-friendly maintenance features, such as easily replaceable filter bags, which reduces downtime during maintenance.

### 5 Micron Recommended Filtration Grade:

The filter is recommended to have a 5-micron filtration grade, which means it's designed to filter out particles that are 5 microns or larger in size. This is effective at removing fine sediment, dirt, and some microorganisms.

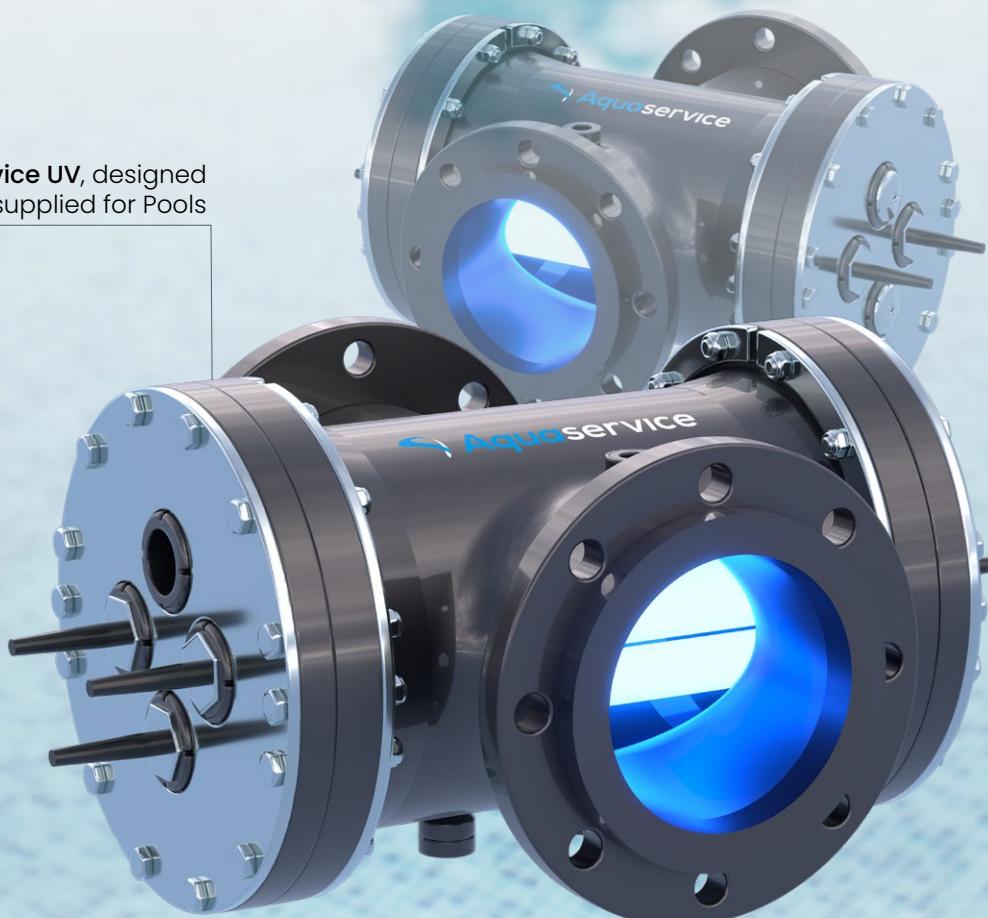
## Specifications

Inlet/Outlet	DN100*	4"
Maximum working pressure	6 bar*	87 psi*
Material Filter House	High-density polyethylene (HDPE)	High-density polyethylene (HDPE)
Flow	from 40m³/hr	
Seal	EPDM, FPM, NBR	EPDM, FPM, NBR
Vent Port	Optional	Optional
Gauge Port	Optional	Optional
Filter Bag	#01 and #02	#01 and #02
Bag Change Area (above filter)	Min. 200 mm	8"
Maximum working temperature	50°C*	150°F*
Inlet/outlet	Connections to suit	

- HDPE Corrosion Resistant UV Chamber
- NSF50 approved
- Versatile to suit all types of Pools and Pool usage
- Medium Pressure lamps
- Minimum of 8.000-hour lamp life
- Power Stepping
- Manual or Automatic wiper
- BUS connection option
- Temperature Sensor
- UV intensity sensor



Aquaservice UV, designed  
and supplied for Pools





**Aquaservice AQS-PL UV system** is the most versatile HDPE corrosion resistant, medium pressure UV system for the swimming pool market, NSF50 approved, with a lifetime corrosion free guarantee.

## Health Benefits of UV Treatment in Swimming Pools

### Why UV?

UV systems are used for two main reasons in the treatment of swimming pool water, disinfection of chlorine resistant organism's and chloramine reduction.

### Chloramine Reduction

Chlorine is the primary disinfectant for swimming pool water to keep it sanitary and free of harmful microorganisms.

The issue with only using chlorine in swimming pools is that the chlorine reacts very rapidly with nitrogen compounds in the water.

Bathers in pools introduce substances to the pool water such as urine, sweat and skin cells. These contaminants contain high levels of uric acid, urea, ammonia, histidine, and creatinine. This creates chlorine by-products commonly known as chloramines, which include monochloramine, dichloramine and trichloramines.

Chloramines cause 'red eye', headaches, unpleasant odours, skin irritation and respiratory irritation tract of swimmers.

The AQS-PL UV systems are sized and designed to achieve a minimum of a 99.9% reduction of cryptosporidium, ensuring safe bathing for all with little risk of chlorine-resistant organisms surviving in the water.

### Disinfection of chlorine resistant organisms, including cryptosporidium

Cryptosporidium can be treated by Chlorine, but at only very high levels of concentration i.e. shock chlorination.

Cryptosporidium is a parasite that causes cryptosporidiosis, which in turn, causes nausea, vomiting, diarrhoea and can be extremely harmful to the very young, very old and infirm.

The AQS-PL UV systems are sized and designed to achieve a minimum of a 99.9% reduction of cryptosporidium, therefore ensuring safe bathing with little risk of chlorine-resistant organisms surviving in the water.



Aquaservice UV,  
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### AQS-PL UV systemer

Model	Capacity (m <sup>3</sup> /hr)	Connection size (DN/inches)
AQS-PL 10	12	80/3"
AQS-PL 20	31	80/3"
AQS-PL 30	38	100/4"
AQS-PL 40	82	100/4"
AQS-PL 50	150	150/6"
AQS-PL 60	263	200/8"
AQS-PL 70	325	200/8"
AQS-PL 80	488	200/8"
AQS-PL 90	688	300/12"
AQS-PL 100	750	350/14"
AQS-PL 110	800	400/16"

Flow rates are based on 94% Transmittance and a 60mJ/cm average UV dose.

# Aqua Static-Mixer

HDPE-PRODUCT

Made in Norway

**Aqua Static-Mixers** work by using a forced flow to combine mixable and unmixable substances into a consistent substance.

**Aqua Static-Mixers** have no moving parts, there are mixing elements inside the pipe. These mixing elements create a controlled turbulence inside the static mixer which encourages the substances to blend together.

Our **Aqua Static-Mixers** are made from HDPE, enabling us to produce bespoke **Aqua Static-Mixer** to suit any requirement.



## Aqua Static-Mixer is a static mixer which uses a four-step mixing process

**First step:** After the insertion point there is a pre mixer, this causes minor turbulence and will start the mixing process.

**Second step:** The change of dimension with a mixer. The change of dimension is mixing the fluids, with a turbulence enhancement device.

**Third step:** The spin mixing stage. The fluids will rotate and mix due to the spin mixing device.

**Fourth step:** Similar to step two, but with an opposite change of dimension with a turbulence enhancer.

## Aqua Static Mixers data

Model	Max recommended flow	Standard length*	Injection point**	Analysis point**	SDR
DN40	15	700	2 x 1/2 inch BSP	1 x 1/2 inch BSP	11
DN50	25	700	2 x 1/2 inch BSP	1 x 1/2 inch BSP	11
DN65	35	900	2 x 1/2 inch BSP	1 x 1/2 inch BSP	11
DN80	50	900	2 x 1/2 inch BSP	1 x 1/2 inch BSP	11
DN100	95	1000	2 x 1/2 inch BSP	1 x 1/2 inch BSP	11
DN125	120	1100	2 x 1/2 inch BSP	1 x 1/2 inch BSP	11
DN150	200	1200	2 x 1/2 inch BSP	1 x 1/2 inch BSP	11
DN200	310	1200	2 x 1/2 inch BSP	1 x 1/2 inch BSP	11
DN250	475	1500	2 x 1/2 inch BSP	1 x 1/2 inch BSP	11
DN300	600	1600	2 x 1/2 inch BSP	1 x 1/2 inch BSP	11
DN350	760	1800	2 x 1/2 inch BSP	1 x 1/2 inch BSP	11

\*Can be customised according to customer preference.

\*\*Size and quantity can be customised according to customer preference



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Made in Norway





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#### Sustainability report

Our main goal is to have as small a carbon footprint as possible. This is to ensure that we run sustainably and leave behind a healthy operation for future generations – one that does not compromise on climate, nature and the environment.



Aquaservice  
sustainability report

[www.aquaservice.no/en/](http://www.aquaservice.no/en/)