

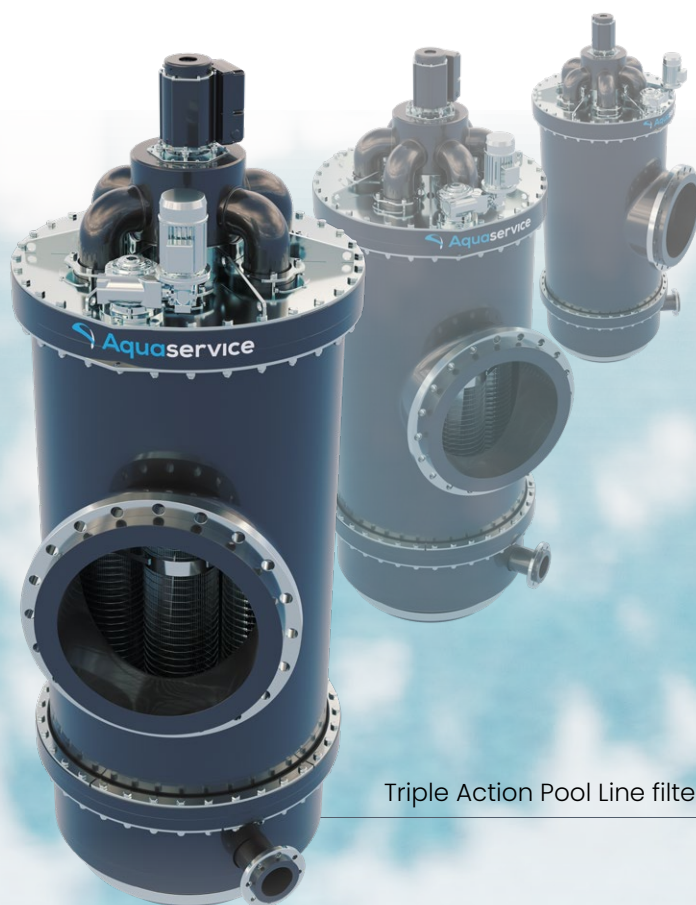
POOL LINE range

- 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



Triple Action Pool Line filter

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.

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 m³/h	43 m³/h	DN80 or DN100	10 bar	400	1450	1
 AF560-PL	54 m³/h	107 m³/h	DN100	10 bar	600	1850	1
 AF630-PL	90 m³/h	175 m³/h	DN150	10 bar	700	2200	1

These are standardised filter. Please note that we can tailor make filters for your specific needs.

Aquafilter

PoolPolisher



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.

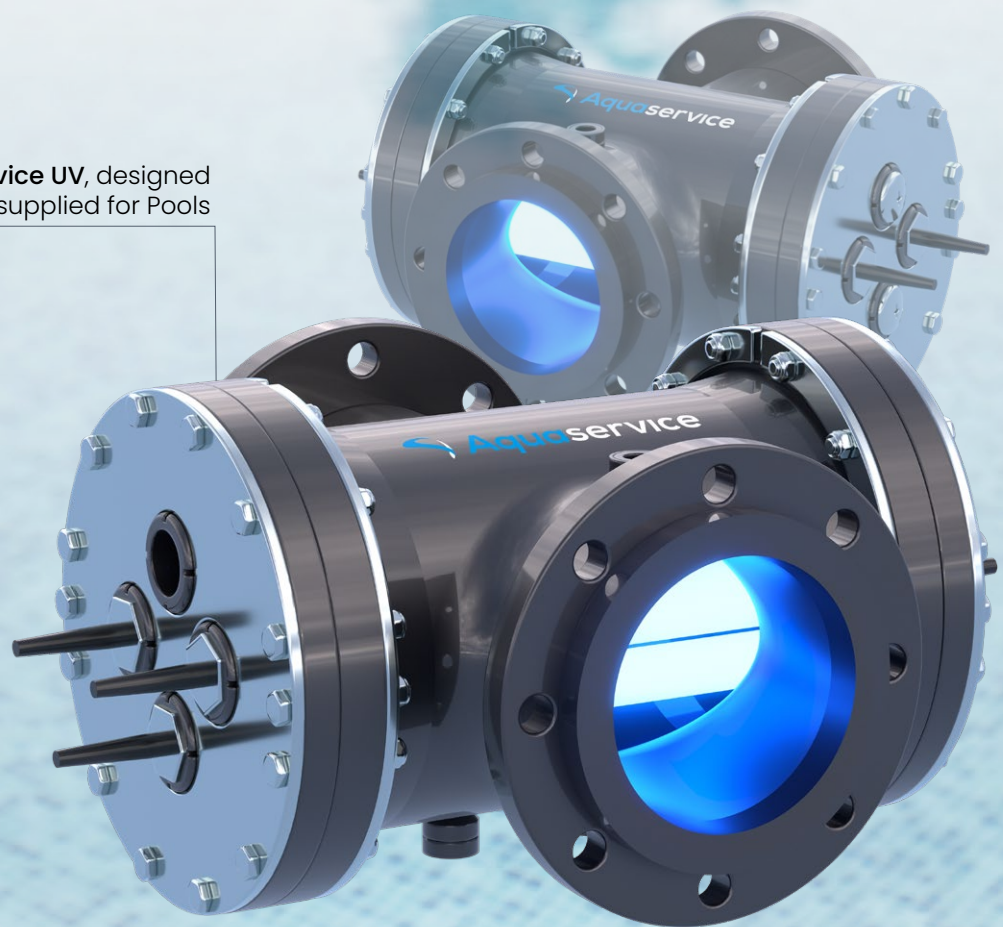
Specifications

Inlet/Outlet	DN100*	4"*
Maximum working pressure	6 bar*	87 psi*
Material Filter House	High-density polyethylene (HDPE)	High-density polyethylene (HDPE)
Flow	from 40m ³ /hr	
Seal	EPDM, FPM, NBR	EPDM, FPM, NBR
Vent Port	Optional	Optional
Gauge Port	Optional	Optional
Filter Bag	#01 og #02	#01 og #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 10,000-hour lamp life
- Power Stepping
- Manual or Automatic wiper
- BUS connection option
- Temperature Sensor
- Connections can be amended to suit pipework



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 Medium pressure range of UV systems emit polychromatic UV radiation. The multiple wavelengths in our medium pressure UV lamps, destroy the molecular bonds of combined chlorine/Chloramine compounds. Therefore, UV removal of Chloramines is a non-chemical and reliable method to control combined chlorine in Swimming pools.

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 guaranteeing safe bathing for all with no risk of Chlorine resistant organisms surviving in the water.

Aquaservice UV,
designed and
supplied for Pools



AQS-PL UV systems

Model	Capacity	NW	Lamp power total (kW)
AQS-PL10	12	80/3"	0.4
AQS PL20	31	80/3"	1.05
AQS PL30	38	100/4"	1.05
AQS PL40	87	100/4"	2.1
AQS PL50	150	150/6"	3.6
AQS-PL60	263	200/8"	4.2
AQS PL70	325	200/8"	6.3
AQS PL80	488	300/12"	8.4
AQS-PL90	688	350/14"	8.4
AQS-PL100	750	400/16"	8.4

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

