

FILTRATION MEDIA

# UHFP CALIBRATE SILICA

ULTRA HIGH PERFORMANCE

**Aquareva**  
by PROCOPI

THE NEW AQUAREVA UHFP  
CALIBRATED SILICA IS A TRUE  
REVOLUTION IN THE WORLD OF  
POOL WATER FILTRATION.

[procopi.com](http://procopi.com)

**PROCOPI**  
Pool & Spa Equipment





Filtration finesse,  
reduced turbidity,  
throughput rate

## FILTRATION MEDIA

# UHPF CALIBRATED SILICA

## ULTRA HIGH PERFORMANCE

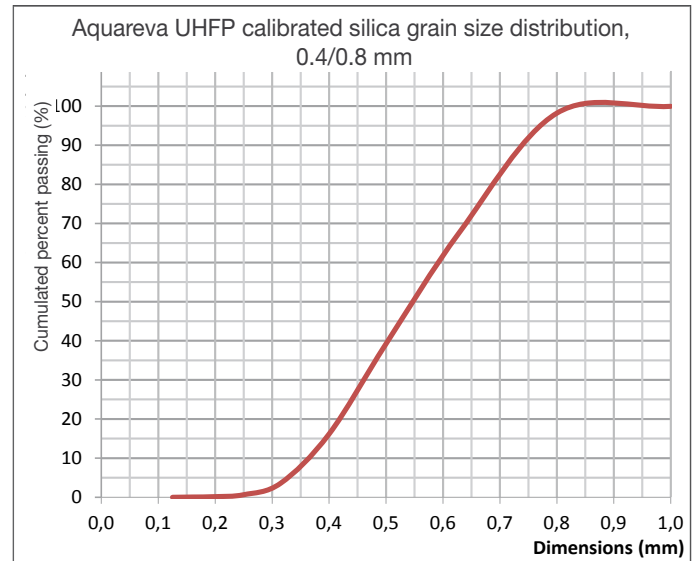
The new Aquareva Ultra-High Filtration Performance calibrated silica was formulated especially for Procopi, the super fine filtration it provides plays an important role in meeting the challenges we set; to reduce the consumption of pool chemicals and decrease the consumption of energy.

Aquareva UHPF calibrated silica is a highly siliceous quarry sand composed of 99.5 % Quartz. The sand is rated as 7 on the Mohs scale of hardness (10 being the maximum).

Chemical composition	
SILICA	> 99.5 %
ALUMINIUM	< 0.2
IRON OXIDE	< 0.1
LIME	< 0.2
MAGNESIUM OXIDE	< 0.1
SODIUM	< 0.1

Aquareva UHPF calibrated silica complies with the French standard NF EN 12904 (Standard concerning products used for the treatment of water intended for human consumption - Quartz gravel and sand).

The calibrated silica grain size is particularly suitable for the filtration of swimming pool water; 98.2 % of the sand by weight has a grain size of less than 0.80 mm, this ensures excellent retention rating.



This new filtration silica, as well as all the various filtration sands and glasses on the market, were subjected to turbidity reduction tests in accordance with the standard NF EN 16713-1 Private family pools – Filtration systems.

However, we wanted to push testing further to mimic the operating conditions of a real pool subject to continuous pollution.

We conducted 5 test phases for each filter medium

At this time, the standard requires only 1 test phase.

# The new Aquareva UHPF calibrated silica is a true revolution in the world of pool water filtration.

- The reduction of turbidity is directly dependant on the retention capacity.
- The retention capacity is directly dependant on the rate of passage through the filter.

Some players on the market claim a retention capacity of between 5 and 15 microns achieved by using ultra high performance glass.

Our study (detail on the following page) showed that UHPF calibrated silica reduces turbidity by 82.2%, while an ultra high performance glass only achieves a reduction of 57.8%.

UHPF calibrated silica reduces turbidity by 42% more than ultra-high performance glass.

This means that we can unequivocally state that UHPF calibrated silica is better than ultra high performance glass.



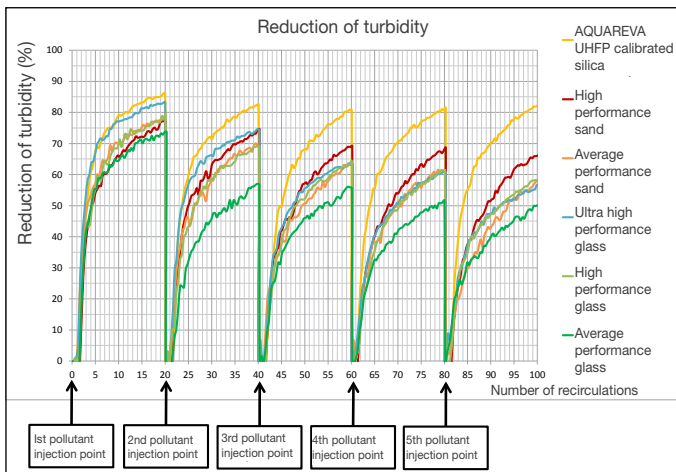


Furthermore, Aquareva UHFP calibrated silica achieves these performance levels without generating any load loss.

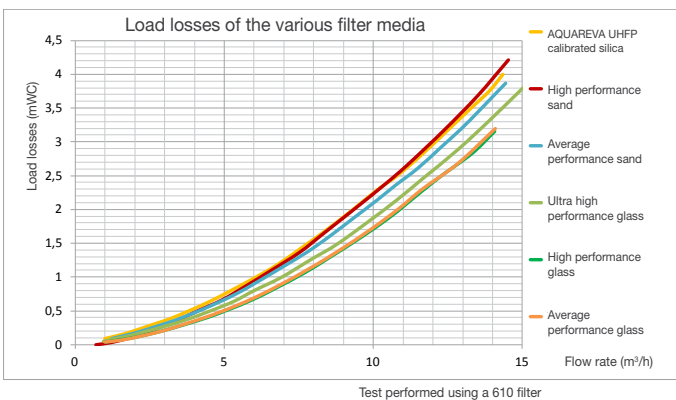
The manufacturing process, crushing and grinding, creates a more rounded shape that limits load losses.

The UHFP calibrated silica provides a better retention capacity without increasing the pump's energetic consumption.

Therefore, it decreases the filtration time, decreases the consumption of pool chemicals and prolongs the service life of the filtration pump.



FILTRATION MEDIUM	Grain size of the 2 filtering layers	Speed of passage through the filter (m/h)	Turbidity reduction after 5 test cycles (%)
AQUAREVA UHFP CALIBRATED SILICA	Silica 0.4 / 0.8 mm Silica 2.5 / 5.0 mm	50	82.2
AQUAREVA HIGH PERFORMANCE SAND	Sand 0.6 / 1.25 mm Gravel 2.0 / 4.0 mm	50	66.2
AVERAGE PERFORMANCE SAND	Sand 0.8 / 1.3 mm Gravel 2.5 / 5.0 mm	50	58.4
VERY HIGH PERFORMANCE GLASS	Glass 0.5 / 1.0 mm Glass 3.0 / 6.0 mm	50	57.8
HIGH PERFORMANCE GLASS	Glass 0.5 / 0.6 mm Glass 1.0 / 1.1 mm	50	56.5
AVERAGE PERFORMANCE GLASS	Glass 0.7 / 1.3 mm Glass 2.0 / 5.0 mm	50	50.1



**Dealer's stamp**

