

The quality of your pool water depends on two factors :

- The mechanical filtration of water.
- The water treatment system used.

The mechanical filtration is effectuated by the filtration pump that circulates water and retains impurities suspended in the water.

If a performant filter is used, less pool maintenance will be required. The filters performance is defined by its filtration capacity which is measured in microns. This measurement indicates the capacity to retain the smallest particles of debris and dirt. Example - a filter with a capacity of 15 microns is twice as performant as a 30 micron capacity.

The maximum water flow admitted to the filter (expressed in m³/h) must be adapted to your filter pump. The maximum flow of the filter should never be lesser than the water flow of your filtration pump. In order to reduce maintenance requirements, you should choose a model that has a greater water flow than that of your filtration pump.

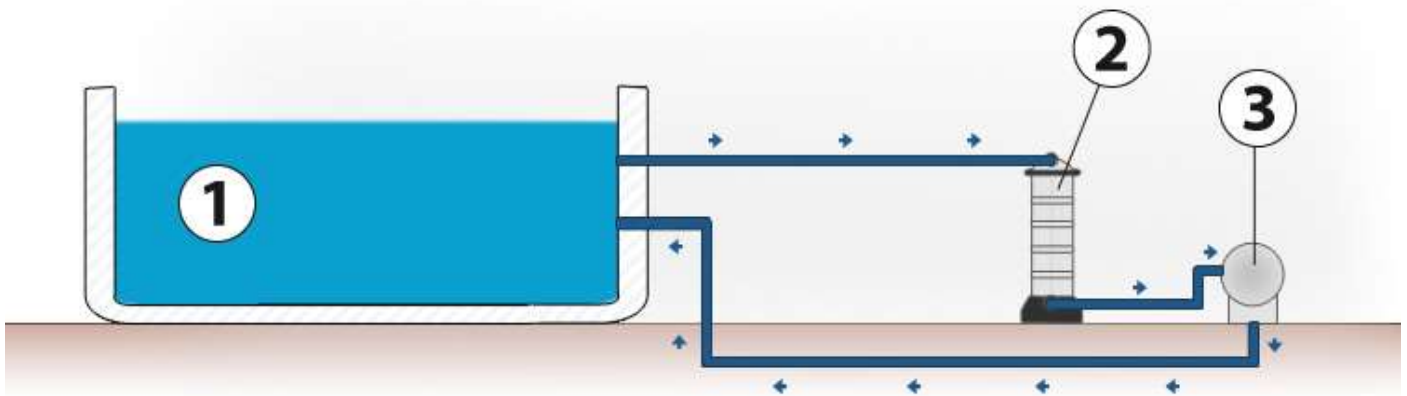
The Welfitre cartridge filter has been designed to filter impurities that are suspended in residential pools. Its filtering capacity of 15 microns offers high-performance. In general, sand filters offer a capacity ranging between 30 and 50 microns.

Easy to use and maintain, this filter proves to be of excellent filtering and manufacturing quality. It requires little installation space in your technical shelter.

Maintenance requires little water, just a rinse in clear tap water is enough.

Operation of the Welfitre cartridge filter

The Welfitre (2) is designed to operate under depression :positioned up flow from the pump (3) on the hydraulic circuit of your pool (1).



The Welfitre cartridge filter in detail

THE FILTER BODY

ABS bodywork, resistant to chemical products and featuring a Weltico cartridge using polyester weaved material.

WATER INLETS AND OUTLETS

Friction loss is the lowering of water flow due to the water's passage throughout the hydraulic circuit. Friction and change of direction are the main causes of this phenomenon.

All elements included in the hydraulic circuit are a source of friction loss : pipe work, the pump itself and the filter. Most cartridge filters have an inlet and outlet situated at the base of the tank.

In order to limit friction loss, the Welfitre cartridge filter features an inlet on its top cover, bettering water circulation. This allows water to circulate naturally and debris and dirt are withheld in a more efficient manner.

THE CARTRIDGE

The filters cartridge ensures an even water flow with a filtration capacity of 15 microns. Its high capacity polyester material is folded to offer maximal filtration.

Within the cartridge folds, a 0,5mm deep plastic grill avoids the folds from inter touching, ensuring better drainage. Using an anti-clogging system, you reduce cleaning requirements to approx once every 2 to 3 weeks depending on the clarity of your pool water.



FIXATIONS

Adjustable semi mounting clamps with tightening screws simplify opening and closing of the tank, facilitating the filters maintenance. To clean, just remove the cartridge and rinse in clear water.

Cartridge cleaning does not require back wash, a small amount of water is required for maintenance and so, you can make economies.

Technical details

- ABS resevoir, resistant to chemical products.
- Filter inlet positionned on to cover, creating a circulation with a minimum of friction loss.
- Improved internal flow.
- 50mm immediate connections
- Air purge valve to optimise filtration.
- Supplied with cartridge.
- Handle on cartridge to ease removal and maintenance.
- Filtering capacity of 15 microns.

4 available models

The Weltico Welfiltre range has 4 available models, your choice depends on the desired filtered area : C3, C5, C6 and C7.

Model	Volume of pool	Area to be filtered	Maximum flow	Weight
C3	20 to 35m ³	3m ²	12,5m ³ /h	4,7kg
C5	35 to 50m ³	5m ²	16m ³ /h	5,1kg
C6	35 to 65m ³	6m ²	20m ³ /h	5,5kg
C7	35 to 80m ³	7m ²	24m ³ /h	6kg

Dimensions

Model	Ø filter	outer Ø of resevoir	Height (A)
C3	182mm	210mm	580mm
C5	182mm	210mm	705mm
C6	182mm	210mm	955mm
C7	182mm	210mm	1180mm

