

Technical Fact Sheet

SWISSPRO®

CeraSwiss

Description 0.0002 mm (0.2 micron) ceramic microfilter. Safely traps all harmful bacteria and retains suspended solids without using chemicals. Filter elements can be cleaned up to 100 times. The ceramic filter is glued into food proof plastic caps.

Safety



In the ceramic permanently incorporated Katadyn silver is working against bacteria growth in the filter. The silver quartz in the core of the filter works against bacteria recontamination from the outlet tap.

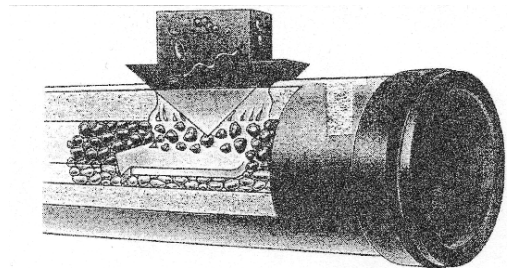
Application

Ceramic filter cartridge with a high flow rate for use in domestic drinking water systems :

- as stand alone solution for effective bacteriological removal and provision of safe drinking water
- in combination with activated carbon for additional taste, odour and chemical removal
- in combination with Ultraviolet systems in order to improve UV-transmission and increase efficiency and safety
- in combination with Reverse Osmosis systems in order to remove bacteriological recontamination after storage tank

Function

Bacteriological depth filtration :



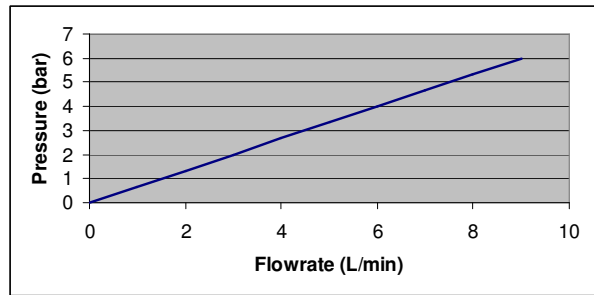
Performance

Meets EPA specifications for :

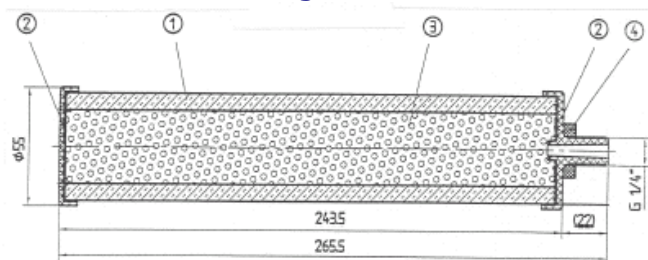
- 99.9999 % removal of pathogenic bacteria (i.e. Klebsiella and vibrio cholera)
- 99.99 % removal of protozoa (i.e. Cryptosporidium and Giardia L.)
- No removal of essential minerals.

Flowrate

- Diagram shows the flowrate measured for the element.
- Capacity 4.5 L/min (1.18 GPM) at 3 bar (43.5 psi) and 20°C (68°F)
- the effective flowrate depends on the filter system in which the cartridge is installed.



Dimensions



Materials

- 1 ceramic body diatomaceous earth (main component)
 - 2 end caps ABS
 - 3 filling silvered quartz pebbles
 - 4 outlet seal NBR
- All materials are approved for use in drinking water applications.

Thread

G 1/4 " male thread

Service Life

Approx. 50'000 Litres (13'000 gallons). The original flow rate can be recovered by simply brushing the surface. Approx. 100 cleaning cycles or up to 5 years service life under normal water conditions can be expected. The measuring gauge indicates when the element has to be replaced because minimal diameter is obtained.

Safety

After cleaning the element or at least every second month, it should be completely air-dried before it is used again. Therefore we recommend to have two candles in opposite cycles in use.

**Operation pressure
Weight**

Max. 7 bar / 100 psi, Temperature < 35° C / 95° F

Dry: approx. 520 g (18.3 oz)
Wet: approx. 750 g (26.5 oz)

Operation temperature

0° C (32° F) ← Temperature for use → 80° C (176° F)

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