

# FILTERING ELEMENTS

## MICROBIOLOGICAL SECURITY



**KATADYN**  
France - Filtration de Sécurité  
DEPUIS 1972

**CESI : official  
supplier KATADYN !**

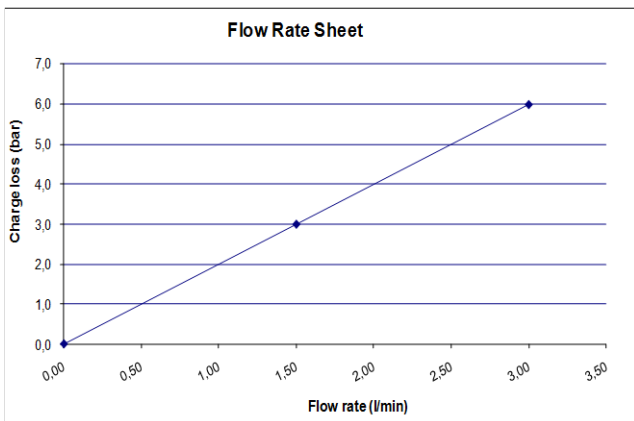


### > ADVANTAGES

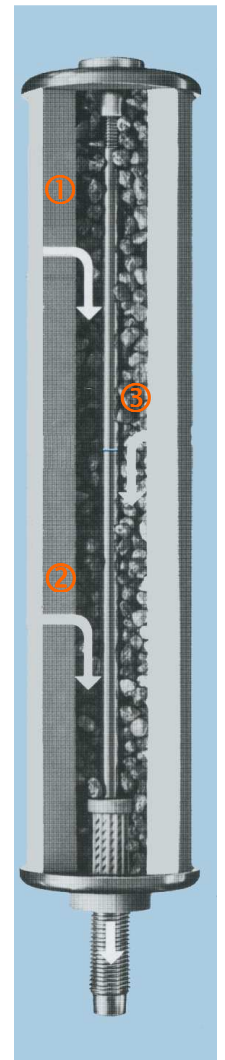
- **99.999% pathogen bacteria deletion (Klebsiella and Vibrio cholera) and 99.99% protozoa deletion (Cryptosporidium and Giardia),**
- No deletion of any essential minerals.
- Bacteria and suspended particles microfiltration linking surface filtration and deep media resistance,
- No chemical used,
- Ozoned water resistant filtering media,
- Filtering media offers mechanic resistance to pressure,
- Inert filtering media which avoid bacteria development inside ceramic filter,
- Resists oxidizing agents (chloride, H<sub>2</sub>O<sub>2</sub>, peracetic acid), sterilizable with hot water (85°C) with progressive increase and decrease of temperature,
- High ceramic adsorption effect,
- Keeping back of micro particles on the external surface of the filtering Ceramic.

### > TECHNICAL SPECIFICATIONS

- Ceramic microporous filtering element with a 0.2 µm diameter,
- Flow rate depends on the filtering system in which is installed the cartridge.  
Maximum capacity: 1.5 l/mn (0.60 GPM) at 3 bar (43.5 PSI) and 20 °C (68 °F),
- Maximum: up to 100.000 litres (26.000 gallons). Depends on water quality.
- Filtering element is regenerated by simple brushing of the ceramic surface:  
up to 200 brushings, measure gauge indicates when element needs to be replaced, when it reaches its minimal diameter.
- Working pressure: Max. 6 bar / 90 psi, T < 35°C / 95°F



- ① Ceramic cylinder, ultra fine porosity - 0.2µ:
  - keeps matter in suspension and bacteria contained in raw water back outside of the ceramic,
- ② KATADYN silver finely scattered and incorporated into the ceramic:
  - prevents bacteria growth through the pores of the ceramic,
  - disinfects filtering element around the clock,
- ③ Filling with KATADYN silvered quartz:
  - Prevents an eventual bacteria upturn on the filtered water side.



*Ceramic filtering cartridge details*

### > APPLICATIONS

Ceramic filtering element for industrial use only, in expedition filters: filtering ceramic cartridges are used in industrial filters and expedition hand-operated filters.

### > RANGE

- Ceramic N<sup>4</sup> : 0.2 µm and chrominated steel,
- Ceramic N<sup>5</sup> : 0,2 µm with ionic silver and SS frame,
- Ceramic N<sup>55</sup> : 0,2 µm without ionic silver and SS frame,
- Ceramic N<sup>6</sup> : for higher flow.



**DISTRIBUTION : CESI KATADYN**

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