

PuraWELL

End point arsenic removal
in one step



We recommend our PuraWELL product for places where it is necessary to remove arsenic contamination from the water supplied. Our product removes not only arsenic but the mechanical contamination without changing other parameters of the water (taste, odour, chemical composition). The arsenic ions in the solution are bound to the surface of the filtration material by ion exchange and adsorption capacity. After the exhaustion of the filtration capacity, it can be repeatedly restored during the 7-10 years of service life. During operation, the backflushing is done by the automatic unit.

AREAS OF USE

- water utilities, water technology companies
- private individuals (residential communities, farms, etc.)
- businesses (guest houses, hunting lodges, etc.)
- public institutions (schools, kindergartens, hospitals)

CONDITIONS FOR PUTTING INTO OPERATION

- the filtering material is delivered in pressure-resistant containers
- the filtration capacity is preserved only with tanks filled with water



THE INSTALLATION PROCESS

- connection to the network
- water rinsing and flushing
- disinfectant solution treatment
- backwashing
- filtration to pre-filter
- bacteriological and microbiological water sampling
- installation

MAIN CHARACTERISTICS OF ADSORBENTS

- cerium and zeolite-based
- **regenerable**
- lifetime 7–10 years
- **adaptable** – no need to replace existing technology line
- stable water quality for drinking and industrial water treatment
- **no chemical dosing and energy demand** (water flow-through technology)
- does not alter water taste, odour and mineral parameters
- **produces minimal hazardous waste**
- green production



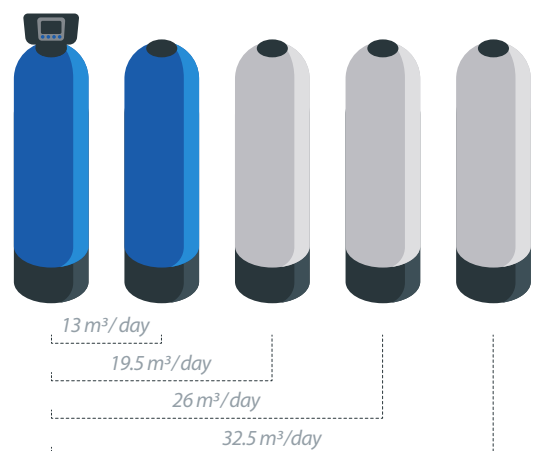
BENEFITS OF THE PRODUCT

- the lifetime of the adsorbent in the cartridges is 7–10 years
- can be regenerated
- cost-effective, low environmental footprint
- works with water flow
- preserves the taste, odour and mineral content of drinking water
- can be added at the end of an existing process line as an adapter
- ensures stable water quality under the permitted arsenic limit

TECHNICAL DATA

Quantity of cleaned water	6.5 m ³ /day
Minimal inlet pressure	2 bar
Dimensions	320mm × 710mm × 1300mm

25 litre AsMET adsorbent filled in a 33-litre tank can make 6,000–7,000 litres of water per day arsenic free. With PuraWELL the cost of water supply for 1 inhabitant: €0.11* (3 litres/person/day of arsenic-free water).



*The estimation is based on 2022/Q1 price level.