

Demineralization filters Krilico Demi

Demineralization filters Krilico Demi are designed for complete desalination of water with extremely low electrical conductivity. During the filter operation, all cations and anions are removed from the water, resulting in practically pure H₂O. Special ion exchange resins are used as the filtering material. These filters can be used both independently and for further purification of water after reverse osmosis.

They are most commonly used for:

- Obtaining ultra-pure water in laboratories, power plants, electronics manufacturing, etc.;
- Preparing water for heating boilers with aluminum heat exchangers;
- In thermal power engineering.

Technical specifications

- Water inlet/outlet connection: 3/4"
- Min/max pressure: 2/6 bar
- Max. water temperature: 40°C
- Electrical connection: not required
- Waste water: absent



Krilico Demi	Demi 1	Demi 2	Demi 3	Demi 4	Demi 5
Exchange capacity, mg-eq/l (cations + anions)	6000	15000	30000	45000	60000
Nominal-maximum flow rate, m ³ /h	0,6-0,8	0,8-1,0	1,5-2,0	3,0-3,4	3,0-3,4
Connection, inch	3/4	3/4	3/4	3/4	3/4
Article number	Dem1	Dem2	Dem3	Dem4	Dem5

The degree of purification after the filter with mixed ion exchange resin will be as follows:

- For tap water with a conductivity of 5–10 μS/cm: the water will be purified to a very low salt level.
- For water after reverse osmosis with a conductivity of 0.5–1 μS/cm: the filter will provide additional purification, approaching water with practically no salts.

Mixed-action resin is not subject to regeneration and requires replacement with new resin after exhaustion.

The working capacity of mixed resin depends on the quality of water supplied to the filter (ratio of cations to anions).

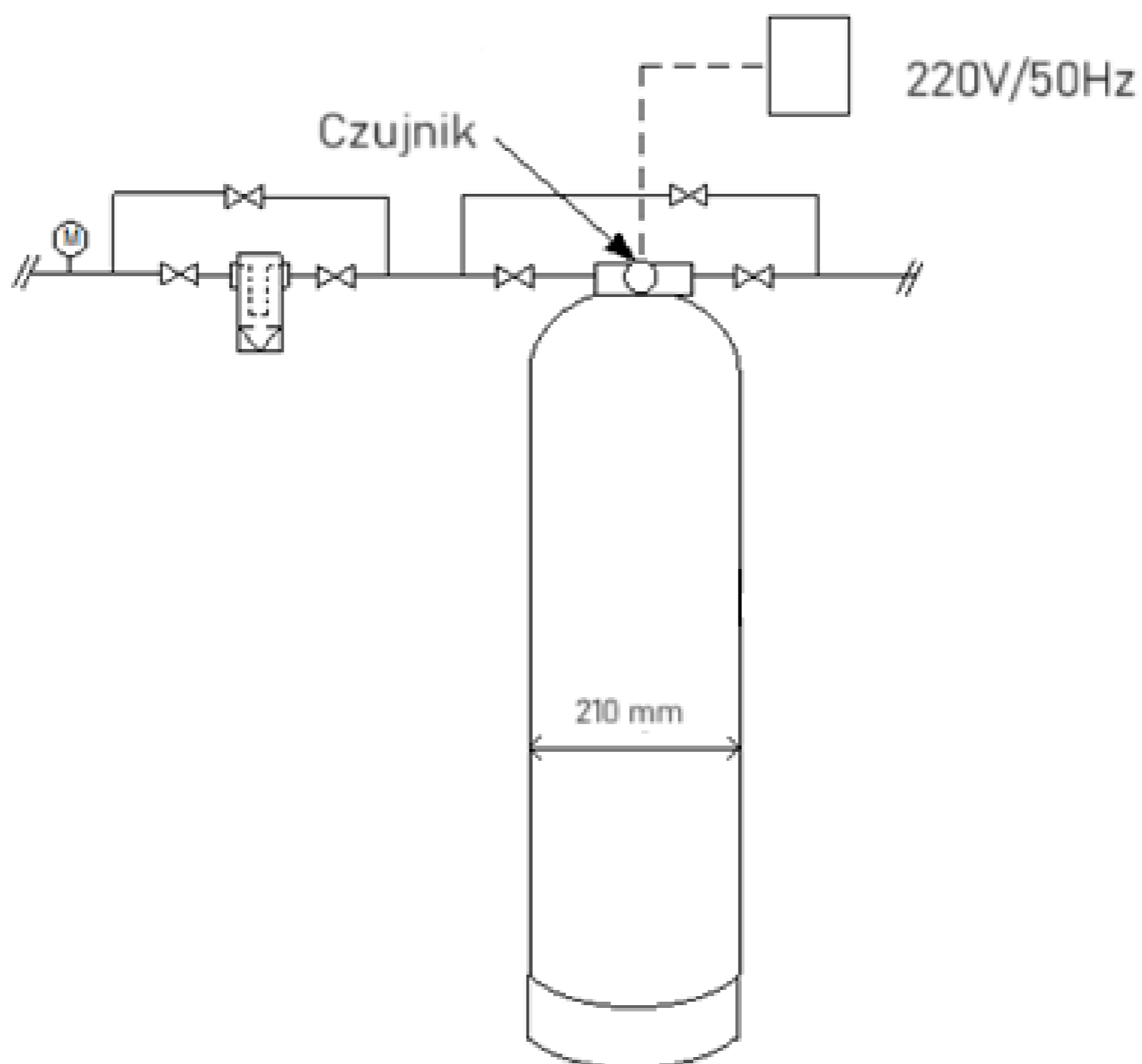
To control the quality of desalinated water, a conductivity meter can be used. The conductivity sensor is mounted in the filter valve head. The device has two indicator lights. The green light indicates that the water meets the required conductivity, for example, 5 μS/cm. The red light warns that the water conductivity exceeds, for example, 5 μS/cm, indicating the need to replace the resin.

Supply kit includes:

- Filter housing with drainage-distribution system;
- Special connection head;
- Special ion exchange resin;
- Conductivity sensor (optional);
- Instruction manual.



Schemat montażu filtra demineralizacyjnego:



For ease of installation and operation, we recommend purchasing:

- Flexible connection hoses M-F 1" L=80 cm
- Ion exchange resin
- Handheld conductivity meter

Quick and flexible connection hose set

Connections: M- " F-1" detachable
Length: 80 cm
Maximum pressure: 10 bar

Article number: FH1-80



Mixed-action ion exchange resin MB400

Packaging: 25 liters

Article number: IonExcMB400



Handheld conductivity meter

Device for measuring water conductivity 0-200 $\mu\text{S}/\text{cm}$.

Article number: Cond01

