Maxy
depuis 1966

FILTRATION

ORC

Applications

The ORC column is designed to produce pure and ultra-pure water. It is intended for medical and scientific use.

Description

The activated carbone column is suitable to treat water moderately loaded with organic matter; it is particularly suitable to remove chlorine, micropollutants, hydrocarbons, oxidation by-products, detergents...

Its purity level is suitable for the production of ultra pure water. The activated carbone is made from a renewable raw material (coconut carbone) and complies with the NF EN 12915 standard.

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Performance

Thanks to its high adsorption capacity, the activated carbone is very effective against micropollutants, pesticides, oxidation by-products and detergents (BET1 150 m²/g adsorption of atrazine : 120 mg/g). Its granulometry allows it to be well adapted to the hydraulic conditions of the treatment system.

The homogeneous particle size allows low pressure losses and long filtration cycles. Its high hardness gives a very high resistance to abrasion. Its high density induces an important volumetric capacity of absorption. The very low mineral load does not alter the quality of the treated water.

Characteristics

- **Saturation:**
  High adsorption capacity. Not visible by discoloration, the ORC column should be replaced after the next 10 ion exchangers are changed.
- **Maximum pressure:**
  3 bar at room temperature
- **Minimum treated volume:** 1800 L at 20°F
- **Flow rate:** up to 60 liters/hour
- **Working temperature:** 10-60°C
- **Storage:**
  2 years, in its original packaging, at room temperature
- **Dimensions:** 500x60 mm
- **Weight:** 1,35 kg

Physico-chemical specifications

Bulk density (g/cm³) :	**0.50**
Hardness (% mini) :	**98**
Iodine value (mg/g mini) :	**1100**
CCl4 index (%) :	**65**
Butane index (%) :	**25.6**
BET specific surface (m²/ g) :	**1150**

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