DATA SHEET
PQ1013

REFERENCE: TRADE NAME: **PQ1013 (1KG)**

TECHNICAL PRODUCT INFORMATION

APPLICATION

Fine granular filtration medium composed of calcium carbonate. It is used to increase the pH of water and can also remove a limited amount of iron.
In contact with the medium, free of carbon dioxide, it is transformed and results in leakage, which leads to an increase in hardness, by dissolving the calcium. It serves at the same time as a filter medium.
PQ1013 will be exhausted and must be refilled after a period of service. The filter should be sized to maintain at least 50% Juraperle for 6 to 12 months.
A system with top and bottom connection will be more practical for refilling.

DESCRIPTION

Nature: Mineral : > 99 % $CaCO_3$

Delivery: 25 kg bag

Appearance: white, porous, fine granules

Packaging: 25 kg bags = +/- 17 L

PHYSICAL AND CHEMICAL PROPERTIES

Granule size available in:

- 1.0-2.0 mm
- 1.2-1.8 mm standard
- 1.8-2.5 mm
- 2.5-4.0 mm

Bulk density: 1.5 kg/L
Product consumption: max. 2.5 g PQ1013 per g of CO_2

- e.g.: 15 ppm CO_2 1 kg PQ1013/25 m^3 water

IHardness increase: 2 °F per 10 ppm CO_2 pH increase: around pH 7.5 Expansion: max. 3%
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OPERATING CONDITIONS

Minimum bed height: 1500 mm
Service flow rate, depending on CO2 content:

- slow: 3 m/h
- medium:5 m/h
- high:10 m/h
- very high:20 m/h
- maximum:30 m/h

Backwash flow rate: minimum 20 m/h under normal conditions normal conditions
Expansion: minimum 25%.

REQUIRED WATER QUALITY

Maximum iron concentration (10 m/h): 3 - 4 ppm (with prior aeration)
Maximum manganese concentration: 0,05 ppm
Oil: absence

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