

PFL Juraperle



Applications:

- pH adjustment
- CO₂ removal
- Removal of Iron and Manganese

Used as a single bed, Juraperle can replace sand, removing iron and manganese, whilst adjusting pH.

Characteristics:

A granular media consisting of 99.4% Calcium Carbonate. Superior in performance to standard limestones due to its micro - crystalline structure. Excellent resistance to attrition, free of water soluble constituents and has a very low silica content.

Apparent Density	1.50 Tonnes/ m ³
Bulk Density	2.70 Tonnes / m ³

Typical Chemical Analysis:

CaCO ₃	99.36 %
SiO ₂ + AlO ₂	0.34 %
Fe ₂ O ₃	0.039 %

Grades Available:

Standard grades are: ■ 1.0 to 2.0 mm ■ 1.8 to 2.5 mm ■ 2.5 to 4.0 mm
Other grades are available on request.

Packaging:

25 kg. plastic or paper bags, shrink wrapped on pallets,
1 Tonne metre bulk bags and bulk loads.

Filtration Rates:

Open Filters	5 to 15 m ³ /m ² /hour
Pressure Filters	30 m ³ /m ² /hour max.

Backwashing:

Either after max. 600 hours operation or 2m. WC increase of pressure loss.

1st Phase	Air + Water	5 to 10 mins.
	Air	60 to 90 m/hr.
	Water	25 to 35 m/hr.
2nd Phase	Water	25 to 35 m/hr.

Expansion:

For single layer filters 400 mm. should be allowed for expansion during backwashing.

Pressure Loss:

mm. WC / one metre layer for 1.0 to 2.0 mm. clean Juraperle.

Filtration Rate m/hr.	mm. WC
5	80
10	160
15	240
20	325
25	440
30	590

Topping Up:

Juraperle is consumed, after 10 % has been consumed new media should be added.
Specific advice on applications can be given if a water analysis is available