

ECOMIX® P FILTER MEDIA

ECOMIX® P is a blend of ion exchange and sorption materials. ECOMIX® P is a highly effective filter media for problem water. Intended for purification of well water, its softening, reduction of iron and manganese.

Typical Physical and Chemical Properties

Physical form		blend of light brown, dark brown, and gray beads
Operating exchange capacity	eq/L g/L as CaCO ₃	0,8 40.0
Bead size	mm	0,3 – 4,0
Particle density	kg/L	0,8
Water content	%	55 – 80

Recommended Operating Conditions

- Operating temperature 5 – 40 °C
- pH range 5 – 9
- Minimum bed depth 500 mm
- Recommended bed depth 800 mm
- Flow rates:
 - Service 20 – 25 m/h
 - Backwash 10 – 15 m/h
 - Brine (slow rinse) 3 – 5 m/h
- Freeboard 40 % or more
- Salt consumption 100 g/L media

Application

Ecomix® P works effectively in well water within the allowable concentrations of hardness, iron and manganese. ECOMIX® P provide high treatment efficiency in wide range of pH level. No limits on influent hydrogen sulfide, active chlorine or anion content.

Ecomix® P is loaded into the filter vessel as a blend. The components are self-classified into layers inside the filter during the first regeneration. For the regeneration, usual tablet salt is used.

Raw water quality requirements

Parameter	Influent limitation
- Hardness, ppm CaCO ₃	750,0
- Iron, ppm	5,0
- Manganese, ppm	1,0
- TOC*, ppm C	2,5

* TOC (total organic carbon) is used as measure of natural organic matter

Packaging: 12; 25 L bags