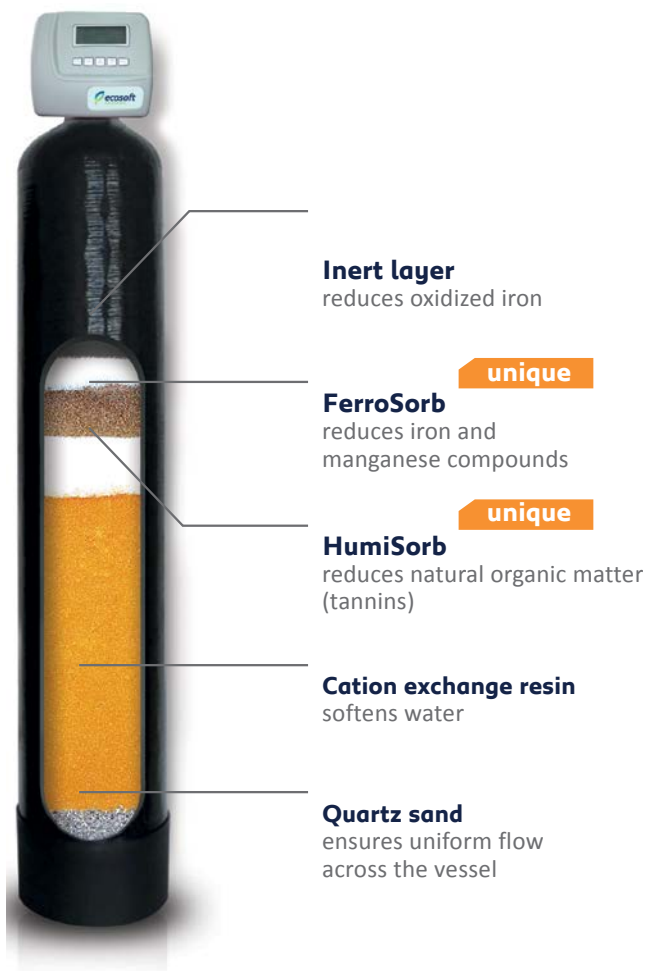


- ECOMIX® C is a scientifically grounded technology, confirmed by 4 patents and service world-wide since 1998.
- ECOMIX® C works effectively with water from wells and municipal supplies within the allowable concentrations of iron and manganese and simultaneously reduces the four major forms of iron in the water: ferrous, organic and colloidal.
- Volume capacity calculation requires only exchange capacity of media and raw water hardness.



ECOMIX® C is a unique mixture of high quality natural and synthetic ion exchange adsorptive filtering medias used for reducing Hardness, Iron (ferrous, organic & colloidal), Manganese, Tannins and Ammonium in residential and commercial water applications. ECOMIX® C is installed in a single tank and regenerated with brine in the same manner as a traditional water softener.

ECOMIX® C unique (**FerroSorb®**) and the inert layers reduce Iron (ferrous, organic & colloidal) and Manganese to acceptable drinking water standards by adsorption and oxidation. With its unique (**HumiSorb®**) component ECOMIX® C reduces natural organic matter (tannins) and will not give off an odor if low levels of chlorine are present in the raw water. H₂S will not affect ECOMIX® C and passes through the media bed.

ECOMIX® C media is fully blended in each 0.88 cu. ft. (25 liters) bag and will self-classify to a 5-layer bed during the initial regeneration. Shipping weight is 50 lbs/bag.

Conditions for operation:

Water temperature...40 °F (5...38 °C)
 pH Range...5–9
 Bed Depth...20" minimum...32" optimum
 Freeboard...40% of bed depth
 Service flow rate...Continuous 8–10 gpm/ft²
 Backwash/fast rinse flow rate...4–6 gpm/ft²
 Regeneration...1.2–2 gpm/ft²
 Exchange Capacity...13,000 grains/ft³ (11,500 grains per 25 liter bag).



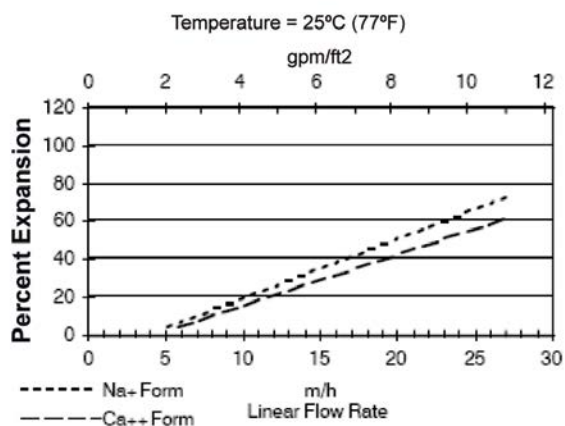
ECOMIX® C is certified in compliance with NSF/ANSI standards: 44 Residential Cation Exchange Softeners; 61 Drinking Water System Components — Health Effects; 372 Drinking water System Components **Lead Content**.

Water quality limitations

Parameter	Units of measurement	Raw water concentration limits
Hardness	ppm CaCO ₃	750
	gpg	44
Total iron	ppm	15
Manganese	ppm	3
Tannins	ppm	5

Packing: bags of 0.88 ft³ (25 L) and 0.44 ft³ (12.5 L)

Backwash Expansion Data

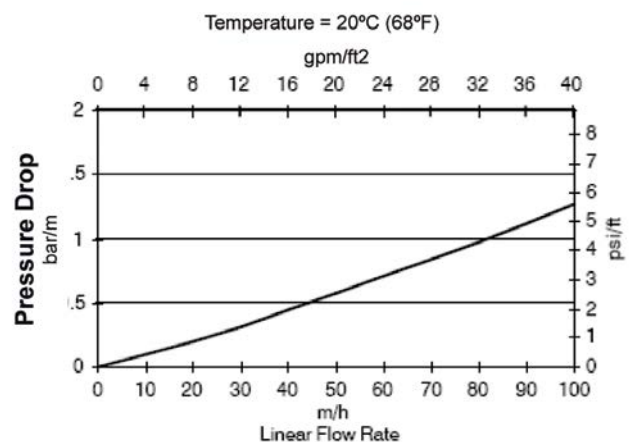


For other temperatures use:

$$F_T = F_{77°F} [1 + 0.008 (T_F - 77)], \text{ where } F \equiv \text{gpm/ft}^2$$

$$F_T = F_{25°C} [1 + 0.008 (1.8T_C - 45)], \text{ where } F \equiv \text{m/h}$$

Pressure Drop Data



For other temperatures use:

$$P_T = P_{20°C} / (0.026 T_C + 0.48), \text{ where } P \equiv \text{bar/m}$$

$$P_T = P_{68°F} / (0.014 T_F + 0.05), \text{ where } P \equiv \text{psi/ft}$$

Ecomix® is tested and certified by WQA against NSF/ANSI 44/61/372 for material safety only if the volume of media per volume of water ratio is < 1600 g/L (12 lbs/gal)

Manufactured by: Ecosoft Water Systems GmbH
Made in Germany

Ecomix® C is a federally registered trademark of Ecosoft Water Systems GmbH.