



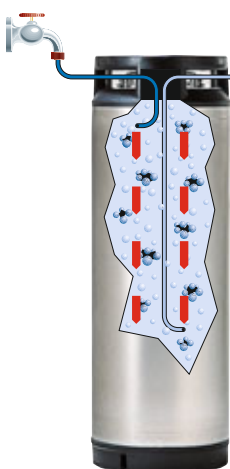
DI-water by using mixed-bed ion exchangers in stainless steel cartridges

- *More efficiency*
- *Better quality*
- *Enhanced pure water yield*

Mixed-bed ion exchangers in stainless steel cartridges



How a mixed-bed ion exchanger works:



In addition to undissolved impurities such as particles and microorganisms, drinking water also contains salts in varying concentrations. These consist of metal ions (cations) and an acid residue (anions).

These cations and anions are removed by using special ion exchange resins which absorb the cations (e.g. Ca^{2+} , Mg^{2+} , Na^+) and anions (e.g. Cl^- , SO_4^{2-} , NO_3^-) dissolved in the water, releasing corresponding quantities of H^+ - and OH^- -ions in exchange.

This exchange process delivers totally desalinated water – pure H_2O . It is both, efficient and environmentally-friendly.



EnviroFALK extends the service life of its resins by dividing its resin pool according to different applications in industry, thereby ensuring unrivalled quality and dependability. At the EnviroFALK centre of excellence, staff inspects and guarantees the absolute purity of the various resins.

The containers and resins are purified, and then undergo stringent entry and exit checks in respect of quality and quantity. This delivers optimal performance and dependability. Our regenerated resins also meet the strict food industry standards imposed by the German Food and Consumer Goods Act (LFGB) and DIN 18879-1.

Our quality resins can be reused again and again after regeneration – thus helping you save valuable resources and protect our environment.

Digital conductivity meter LFM 1 for assembly on the cartridge.



Technical data:

	DIA 2000	DIA 2800	DIA 4000	DIA 6000	DIA 15000
Total capacity of a regenerated cartridge for a total salt content of 10° dH and max. conductivity of 20 µS/cm (litres)	2000	2800	4000	6000	15000
Hourly output (litres)	400	600	900	1200	2500
Pressure load (bar)	10	10	10	10	10
Cartridge dimensions (height in mm)	480	600	700	1020	1100
Diameter (mm)	240	240	240	240	363
Cartridge weight (kg)	18	23	27	40	110
Resin content (litres)	17	22	26	40	100