

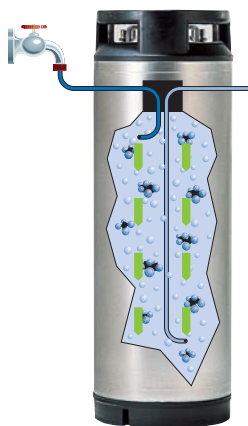


# DIA ion exchange system for the production of fully demineralised pure water

- Cartridge and piping made of high-purity stainless steel
- Ideal for small flowrates
- Ideal for final demineralisation downstream of reverse osmosis units

# DIA mixed-bed ion exchanger in stainless steel cartridges

System for the production of fully demineralised pure water. Both the cartridge and the internal piping are made of high-purity stainless steel. The cartridge is protected by a hard rubber collar and base that are vulcanized to the top and foot section. Inside the cartridge, the water passes over the high-quality mixed resin bed in order to reduce the conductivity to approx. 0.1 µS/cm.



The cartridges are perfect for supplying pure water systems, autoclaves, laboratory washing machines and other systems with low flow rates or if residual salt removal downstream of reverse osmosis units is required.

Thanks to their compact design, our cartridges fit in the tightest of spaces and can be replaced easily and quickly by the reliable EnviroFALK regeneration service.

We recommend mounting a conductivity meter (shown on the right) at the cartridge outlet in order to monitor the water's conductivity.



**REGENERATION**



In order to increase the resins' service life, EnviroFALK offers you the highest quality and reliability: the resin pool, classified according to industries. The EnviroFALK competence centre checks and guarantees the purity grade of the resin.

We clean containers and resins, and check their quality and quantity thoroughly from receipt to return. This is how we guarantee highest performance and operational safety, and our regenerated resins for the food industry also meet the high standards specified by LFGB and DIN 18879-1.

Our high-grade resins can be used several times thanks to regeneration, thus allowing you to conserve resources and sustainably protect our environment.

## Technical data:

	DIA 1500	DIA 2000	DIA 2800	DIA 4000	DIA 4500	DIA 6000
Total capacity of a regenerated cartridge at a total mineral content of 10° TDS and a limiting conductivity of 20 µS/cm (liters)	1500	2000	2800	4000	4500	6000
Hourly capacity (l/h)	300	400	950	1000	1400	1400
Pressure resistance (bar)	10	10	10	10	10	10
Cartridge dimensions (height in mm)	410	480	560	700	785	1020
Diameter (mm)	240	240	240	240	240	240
Cartridge weight (kg)	14	18	20	27	30	42
Resin volume (l)	13	17	20	26	30	40

	DIA 6500	DIA 7000	DIA 9000	DIA 11000	DIA 15000
Total capacity of a regenerated cartridge at a total mineral content of 10° TDS and a limiting conductivity of 20 µS/cm (liters)	6500	7000	9000	11000	15000
Hourly capacity (l/h)	1400	2000	2000	2500	2500
Pressure resistance (bar)	10	10	10	10	10
Cartridge dimensions (height in mm)	1150	600	702	850	1100
Diameter (mm)	240	363	363	363	363
Cartridge weight (kg)	45	55	60	80	110
Resin volume (l)	46	50	60	75	100

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