

# PUROFILL

## Water treatment cartridge for full desalination

### Description

PUROFILL is a water treatment cartridge for the full desalination of water with ion exchanger mixed bed resin. The PUROFILL cartridge is usually used for standard desalination of the filling, supplementing, and circulating water of closed water circuits, such as heating systems.

PUROFILL consists of a robust pressure-resistant glass fiber reinforced (GRP) plastic cartridge with water supply and water extraction system.

The PUROFILL water filter system allows easy resin change when the ion exchanger-mixed bed resin is exhausted and is an ideal cost-effective solution, both in fixed installation and in a service cart for mobile use.

**Application** of full desalination of filling, supplementary and circulating water from cooling and heating systems, according to VDI 2035 (low-salt driving), SWKI and ÖNORM H 5195-1, as well as other technical applications for fully desalinated water.

**Operating temperature** 5 to 50°C  
**Operating pressure** 6 bar at 20°C, 3 bar at 50°C  
**Connections** 3/4"

### Delivery

- Connection fitting with water supply and water extraction system, safety sieve, hose fitting
- Pressure-resistant GRP cartridge, filled with ion exchanger mixed bed resin for full desalination
- Version PUROFILL plus: incl. integrated MINIGarde capacity indicator
- Version PUROFILL plus mobile: incl. integrated MINIGarde capacity indicator and stainless-steel handle

### Design and dimensions

Item No.	Model	A m m	B m m	Capacity at 10°dH / 17.8°fH*	empf. Flow
41034	PUROFILL 50	140	420	~ 0.3 m <sup>3</sup>	2 l/min
41030	PUROFILL 100	159	560	~ 0.8 m <sup>3</sup>	5 l/min
41031	PUROFILL 150	219	530	~ 1.2 m <sup>3</sup>	7 l/min
Inlet / outlet: AG 3/4"					

41035	PUROFILL 50 more	140	420	~ 0.3 m <sup>3</sup>	2 l/min
41036	PUROFILL 100 plus	159	560	~ 0.8 m <sup>3</sup>	5 l/min
41041	PUROFILL 150 more	219	530	~ 1.2 m <sup>3</sup>	7 l/min
Inlet / outlet: AG 3/4"					

41042	PUROFILL 50 plus mobil	140	495	~ 0.3 m <sup>3</sup>	2 l/min
41043	PUROFILL 100 plus mobil	159	635	~ 0.8 m <sup>3</sup>	5 l/min
41044	PUROFILL 150 plus mobil	219	605	~ 1.2 m <sup>3</sup>	7 l/min
Inlet / outlet: AG 3/4"					

\*The capacity refers to a shutdown time of 10 microns/cm conductivity of the fully desalinated water with an electrical conductivity of the untreated water of 330 micrograms/cm. Actual capacity depends on the Flow rate, the Water temperature and the Type And Age of the used Mixed bed resin

