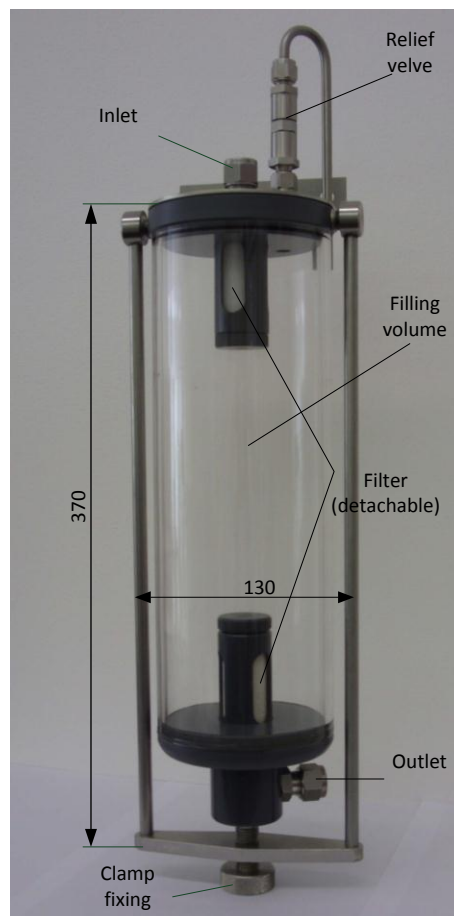


## Cation exchanger CE 150

In water/steam circuits of power plans, the conductivity is an important parameter for the water quality. Thereby the contributions to the total conductivity can be of various origins, especially by conditioning with volatile alkalizing agents. Simultaneously to the corrosion decisive salt-like ions there are ions that have no risk for corrosion potential. For the conductivity monitoring, it is therefore advisable to measure the conductivity before and after a cation exchanger. The measured value after the cation exchanger then shows the conductivity, which is not due of ammonia and iron ions but of free acids (carbonic acid, mineral acids).

The cation exchanger CE 150 is a for this application optimized exchanger with a resin volume of either 1,5 L or 3,0 L. The cation exchanger CE 150 has a detachable inlet and outlet filter and can be equipped with a pressure relief valve (max. pressure 3 bar) or rupture disc and a vent valve. The exchanger mass is a strongly acidic,



gel-type cation exchanger resin in  $H^+$ -form available including an indicator for the degree of depletion.

### Product description Cation Exchanger CE 150

Delivering form	$H^+$
Functional group	Sulfonic
Matrix	Crosslinked polystyrene
Structure	Gel type beads

### Product data Cation Exchanger resin CE 150.01

	Metric units	
Uniformity coefficient	max	1,6
Grain size	>90 % mm	0,5 – 1,25
Effective size	mm	0,57 ± 0,05
Bulk density	(± 5%) g/l	760
Dense	g/ml	1,22
Water content	Gew %	50 - 55
Total capacity	eq/l	1,8
Volume change	$H^+ \rightarrow Na^+$ max Vol. %	-8
Stability	pH-range	0 - 14
Shelf life	Product max	2
Shelf life	Temp.-range °C	-20 - 40