

# DEMINERALIZATORS IN LABORATORY USE

Modern demineralizers work on the basis of ion exchange. In columns, there is a composition of highly productive ion-exchange beds made by Rom and Hass or Purolite.

Cationite removes cations, anionite -anions. Columns are connected with preliminary treatment filters(polipropylene fibre and active coal).

Exchangeable hydrogen and hydroxyl ions create water particle.

## **Demineralizers DI-1, DI-2**

- water with the highest parameters of conductivity
- efficiency up to 600 dm<sup>3</sup>/h
- no power supply during production of demineralized water
- 20 dm<sup>3</sup> composite bed in one column
- easy control and reliable working
- components with atests
- reduce of costs in compare with distilation and redistilation
- constant measurement of water conductivity
- indicator bed changes color when conductivity get higher than 1μS/cm
- amount of recieved water up to 7 m<sup>3</sup> with hardness 8 °N
- guarantee up to 10 years



Demineralizators DI-1;DI-2

Technical data\* for demineralizers series DI

MODEL	Column (cal)	Amount of resin (dm <sup>3</sup> )	Efficiency MAX (m <sup>3</sup> /h)	Amount of water in cycle (m <sup>3</sup> )	Rinse speed (GPM)	Aproximate size H x L x D (m)
DI-1	8x35	20	0,6	3,5	-	0,9 x 0,3 x 0,2
DI-2	8x35	20	0,6	7	-	0,9 x 0,3 x 0,2

\* In case of technical development, we reserve the right to change specifications

Explanation to the table:  
<sup>1</sup> for water with hardness 3 mval/dm<sup>3</sup>

UNITS:  
 cal = 2,54 cm  
 GPM = 3,785 dm<sup>3</sup>/min  
 15 PSI = 1 atm  
 1 mval/dm<sup>3</sup> = 2,86 N° = 50 mg CaCO<sub>3</sub>/dm<sup>3</sup>

**We also offer devices:**

- Water softeners & Iron removers
- Technical filters
- UV lamps
- Reverse osmosis
- Dosage systems
- Demineralizers
- Galvanic waste treatment

**Components possess certificate TUV  
 declaration of Conformity Council Directive EN  
 filter certificate PZH**



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