

## Data sheet ion exchange water softener

When we speak of "water" in general, we usually mean water that contains visible or non-visible components in addition to the water molecules. Therefore, dissolved **ions, minerals, salts and gases** can be found in water, which together determine the total salt content as well as, through the various charges, the electrical conductivity of the water. **An ion exchange material is able to absorb the desired ions (positively or negatively charged particles) from the surrounding medium and replace them with other ions.**



Figure 1: IAT EH solo 9

### Applications

- Potable water
- Process water
- Boiler feed water
- Cooling water
- And many more

Soft water



Raw water

Figure 2: pictorial schematic

### Technical data

Model series	Volume flow Min. / Nom. / Max. [m <sup>3</sup> /h]	Capacity [mmol / l x m <sup>3</sup> ]	Dimensions Length x Height x Width [mm]
IAT EH solo 1 - 13	0,3 / 1,1 / 1,1	2,3	350 x 1000 x 650
IAT EH solo 3 - 40	0,3 / 3,0 / 3,3	7,1	400 x 1000 x 800
IAT EH solo 9 - 260	1,7 / 9,2 / 15,0	46,3	1400 x 1650 x 700
IAT EH solo 9 - 330	1,7 / 9,2 / 17,0	58,8	1700 x 1920 x 1050
IAT EH solo 10 - 400	2 / 10 / 19	71,3	1700 x 1920 x 1050
IAT EH solo 18 - 655	3,5 / 17,8 / 32	116,7	1800 x 2000 x 1050
IAT EH solo 18 - 980	4,7 / 18,3 / 33,3	174,7	1900 x 2250 x 1100
Large-scale systems	On request		

Model series	Volume flow Min. / Nom. / Max. [m <sup>3</sup> /h]	Capacity [mmol / l x m <sup>3</sup> ]	Dimensions Length x Height x Width [mm]
IAT EH para 2 - 13	0,3 / 1,1 / 1,1	2 x 2,3	700 x 1000 x 650
IAT EH para 6 - 40	0,3 / 3,0 / 3,3	2 x 7,1	980 x 1000 x 800
IAT EH para 18 - 260	3,3 / 18 / 30	2 x 46,3	2100 x 1650 x 1200
IAT EH para 18 - 330	3,3 / 18 / 30	2 x 58,8	2600 x 1920 x 1600
IAT EH para 20 - 400	4 / 20 / 38	2 x 71,3	2600 x 1920 x 1600
IAT EH para 36 - 655	7 / 35,7 / 64	2 x 116,7	2800 x 2000 x 1800
IAT EH para 36 - 980	9,4 / 35,7 / 66,6	2 x 174,7	2800 x 2250 x 1800
Large-scale systems	On request		

By using other exchanger resins, the following components can also be removed in addition to softening:

- Iron
- Manganese
- Ammonium
- Nitrate

## Your benefits

- **Modular systems with various options - expandable at any time**
- **Robust industrial design**
- **Simple system design**

Subject to technical changes