

# H2OPTIMO

Smart softener



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9L / 12L / 18L / 25L



## The optimal water for your catering appliances.

Our H2Optimo series offers a wide range of sizes, so you will always find a suitable model for your specific application. From large models, that are perfect to treat all the water that is used in your kitchen (Point-Of-Entry), to ultra-compact models, that are specifically developed to treat the water for one single appliance (Point-Of-Use).

All H2Optimo water softeners are suitable for use with water up to 65°C. So it doesn't matter whether your equipment is operating on a cold or hot water supply, the H2Optimo Series covers it all!

## FEATURES

- ◆ Compact footprint
- ◆ Integrated non-return valves on inlet & outlet
- ◆ Optional wheel set  
(on 9 and 12 liters configurations, part # RSEP-39083)
- ◆ Suitable for use with hot water (up to 65°C)
- ◆ Electronic controller for volume initiated regeneration
- ◆ Certifications: CE, ACS, PZH

## BENEFITS

- ➔ Versatile
- ➔ Convenient for space constrained location
- ➔ Pre-configured setting the only input needed is water hardness level
- ➔ Efficient and effective regeneration thanks to electronic controls

### DISHWASHER

- ➔
  - spotless dishes, glasses, utensils
  - reduced consumption of detergent and rinse aid
  - preservation of efficiency and extension of lifespan of dishwasher
  - elimination of downtime for maintenance
  - no need for chemicals for descaling

## TECHNICAL SPECIFICATIONS

CHARACTERISTICS	H2 Optimo CS micro 0913 9l	H2 Optimo CS mini 0916 12l	H2 Optimo CS midi 0922 18l	H2 Optimo CS maxi 0930 25l
Part number	4035738	4035739	4035740	4035741
Resin Volume (L)	<b>9 L</b>	<b>12 L</b>	<b>18 L</b>	<b>25 L</b>
Nominal Flow rate (m <sup>3</sup> /h) (residual hardness 0°f)	0,5 m <sup>3</sup> /h	0,7 m <sup>3</sup> /h	1,1 m <sup>3</sup> /h	1,5 m <sup>3</sup> /h
Nominal Flow rate (m <sup>3</sup> /h) (residual hardness 5-10°f)	0,6 m <sup>3</sup> /h	0,9 m <sup>3</sup> /h	1,3 m <sup>3</sup> /h	1,8 m <sup>3</sup> /h
Peak Flow rate (m <sup>3</sup> /h) (residual hardness 5-10°f)	0,9 m <sup>3</sup> /h	1,2 m <sup>3</sup> /h	1,8 m <sup>3</sup> /h	2,5 m <sup>3</sup> /h
Salt dosage g/resin (standard settings)	125 g/l	125 g/l	125 g/l	125 g/l
Salt consumption per regeneration (kg)	1,1 Kg	1,5 Kg	2,2 Kg	3,1 Kg
Water consumption per regeneration (L)	71 L	77 L	106 L	138 L
Softener Capacity °f x m <sup>3</sup>	31,5 °f • m <sup>3</sup>	48,0 °f • m <sup>3</sup>	81,0 °f • m <sup>3</sup>	112,5 °f • m <sup>3</sup>
Capacity in m <sup>3</sup> for 20°f inlet water hardness and 0°f residual hardness setting	1,6 m <sup>3</sup>	2,4 m <sup>3</sup>	4,1 m <sup>3</sup>	5,6 m <sup>3</sup>
In / out connections	3/4" BSPT	3/4" BSPT	3/4" BSPT	3/4" BSPT
Drain connection	1/2" hose	1/2" hose	1/2" hose	1/2" hose
Tank size	9x13	9x16	9x22	9x30
Operating pressure min/max (bar)	1,4 / 8,3			
Operating temperature min/max (°C)	1 / 65			
Electrical connection (V/Hz)	100-230/24VDC - 50/60 Hz			
Max power consumption (VA)	6,5 VA			
Accessories included	Voltage transformer 230-24V, 3/4" BSP male in/out connection kit with integrated non-return valves, 3 mtr reinforced drain hose with 4 clamps, Air gap with double drain connection			
Regeneration type	Upflow 5 cycles with proportional brinig			
System interface	Multilanguage Electronic display 2 lines x 16 characters			
Salt compartment Capacity in kg	13,0 Kg	17,0 Kg	23,0 Kg	35,0 Kg
Product Width	280 mm	280 mm	280 mm	280 mm
Product Height	513 mm	591 mm	744 mm	998 mm
Product Depth	438 mm	438 mm	438 mm	438 mm
Product Depth with bypass assembled	540 mm	540 mm	540 mm	540 mm
Product Weight	15,5 Kg	20,0 Kg	26,5 Kg	36,0 Kg
Packaging Dimension (WxLxH) mm	400x480x680	400x480x680	470x320x760	470x320x1020
Quantity per pallet	18	18	14	14
Pallet dimensions (WxLxH) cm	120x100x153	120x100x153	120x100x167	120x100x220

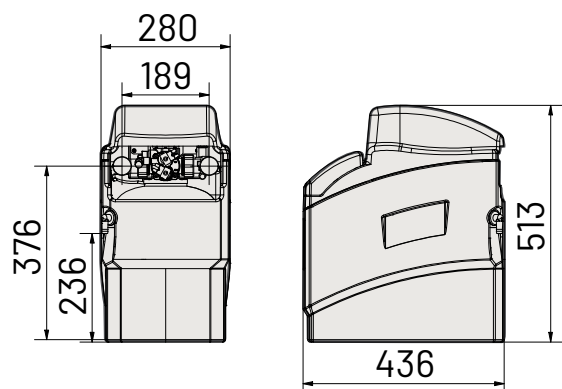
**Note:** All calculations are based on a salt dosage setting standard of the PCB. The softener installation takes into account a pre-filter made of a 10" filter housing (Pentair ref. 150543) and a 10" 100micron Wound cartridge (Pentair ref. WWP100P10).

\* Indicatives data. Maximum flow rate to produce in order to respect the required service velocity for an optimal ion exchange upon resin manufacturers recommendation, regardless of the inlet pressure.

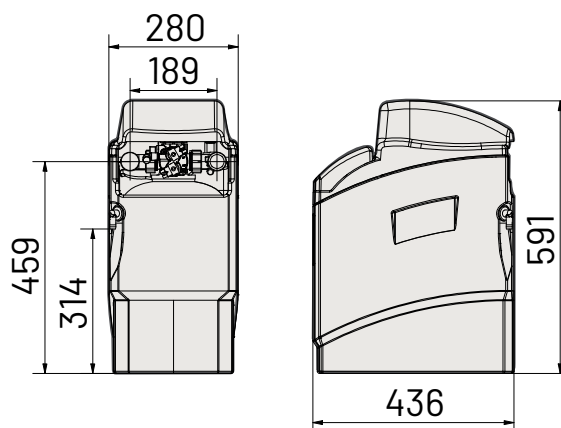
\*\* Values may vary upon local condition and programming. All consumptions are given for an inlet pressure of 3 bar.

## OUTLINE DRAWINGS

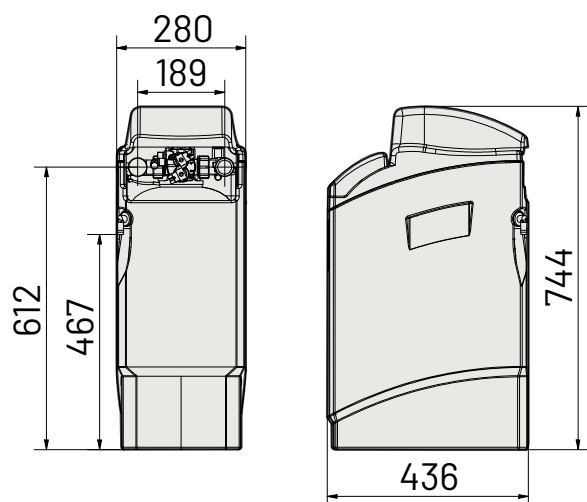
H2Optimo CS micro 9L



H2Optimo CS mini 12L



H2Optimo CS midi 18L



H2Optimo CS maxi 25L

