



Water treatment plants

A reliable solution to hard water problems **VITASET AQUA**



Vitaset Aqua water treatment plants supply households with softened water and protect water and heating systems from damage.

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Vitaset Aqua is a reasonable solution that provides softened water and improves the efficiency of connected water-powered appliances.

Viessmann's Vitaset Aqua products protect water systems and connected appliances such as, hot water heaters and household appliances (washing machines, dishwashers, steamers, etc.) from scale deposits hard water. This extends the life of the equipment and significantly reduces the risk of costly repairs. A pleasant side effect is that makes it easier to keep sanitary fittings clean.

Operation with the ViCare mobile app

Once up and running, the softening station can be added as another device to the free mobile app



The display and light bar show information about the current operating status of the device.

ViCare. Users can then check the actual status of their Vitaset Aqua at any time via their smartphone. For example, the app provides advance notification the need to refill regeneration salt tablets. What's more, users can read the current water flow rate and receive alarm messages when a potential problem is detected. In the event of a leak, a shut-off valve (optional) automatically shuts off the water supply on the main line, protecting against damage caused by flooding. The shut-off valve can also be operated the ViCare app or directly on the device.



ViCare mobile app for intuitive user operation from a smartphone.

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max. flow rate: 15 to 28 l/min

Vitaset Aqua water softening systems are available in five types of sizes with flow rates from 15 to 28 liters per minute. The three model sizes make it possible to meet different requirements based on the intended installation location. For example, the smaller unit fits neatly under a wall-mounted heat generator, such as the Vitocal 200S air/water heat pump.



Easily removable lid for easy addition of tablet salt to the tank



Additional equipment to protect against the costly consequences of water flooding: a shut-off valve and leak sensors.

With this, Vitaset Aqua convinces

- + Protection of equipment and installations scale deposits
- + They take up little space thanks to their compact housing
- + Quick installation and commissioning
- + Virtually maintenance-free in operation, thanks to automatic regeneration of the ion exchange bed



Vitocal 200-S air/water heat pump with Vitaset Aqua drinking water softening system installed underneath.

Reliable operation and minimal maintenance requirements

The water softening station works on the proven principle of ion exchange, resulting in softened water, which is, among other things, used in systems of central heating and hot water. The tap water goes to the ion resin cylinder, where it is softened and filtered (model 87SH). An intelligent controller monitors the ion-exchange capacity of the resin and performs automatic regeneration with brine at the appropriate time. This ensures optimal and consistent water quality. Apart from the addition of regeneration salt in tablets as needed and the recommended annual maintenance, no other maintenance is required.



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- 1 Controller with large 3.5" screen
- 2 Communication module for, for example, the ViCare mobile application
- 3 Control head
- 4 Ion exchange resin bottle
- 5 Double anti-flooding protection: brine valve and salt tank overflow

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Vitaset Aqua	type	34S	74S	87S	124S	87SH
Min. / max. salt consumption per regeneration	kg	0,4 - 1,1	0,7 - 3,2	1,0 - 5,1	0,9 - 5,7	0,8 - 4,5
Resin volume	liters	9,3	15,9	19,8	26,0	17,5
Operating temperature	°C	4 - 49	4 - 49	4 - 49	4 - 49	4 - 49
Operating pressure	bar	1,4 - 8,5	1,4 - 8,5	1,4 - 8,5	1,4 - 8,5	1,4 - 8,5
Mains supply and operating voltage of the device		240 V/ 50 Hz - 24 V				
Power consumption during operation	W	10	10	10	10	10
Power consumption standby	W	≤ 1	≤ 1	≤ 1	≤ 1	≤ 1
Dimensions						
height	mm	603	895	1 140	1 140	1 140
width	mm	320	320	320	320	320
depth	mm	454	454	454	454	454
Weight	kg	21	30	35	41	37



Features of the device

- Domestic water softening system with a capacity of 15 to 28 l/min.
- Integrated treated water meter and salt level sensor ensure trouble-free operation of the device.
- System monitoring and operation by a qualified installer ViGuide app and ViCare app by the user.
- Attractive and uniform Viessmann design with light bar.
- Additional equipment to protect against the costly consequences of flooding.

Your Professional Advisor

9444 674 EN 01/2025