Data sheet

Double water softening system LW VAD TT

Double water softener type VAD with separate brine tank. For softening/partial softening of iron- and manganese-free drinking and industrial water, cold max. 30°C

Consisting of:
2 high-quality pressure tanks made of corrosion-resistant GRP,
filled with softening resin, in drinking water and food quality.
Suction device and connecting line to the central control valve, CLACK WS 1 CI TT 1" (volume-controlled) made of Noryl.
1 separate brine tank with sieve bottom

Function

The water softening system works according to the ion exchange process.
The VAD - IP water softening system is a duplex system for applications where soft water is required continuously.
The central control valve is robust and easy to maintain. Volume-controlled, data storage available for 61 days. Calculation of total and reserve capacity. Salting in parallel or counter-current.

When the set amount of soft water is reached, regeneration is triggered. For hygiene reasons, forced regeneration is scheduled after 4 days at the latest if water consumption is low. A chlorine electrolysis cell is installed in the brine suction line as a disinfection device.

Display of information such as remaining capacity, flow rate, error detection, history and diagnostic function on the control unit display.

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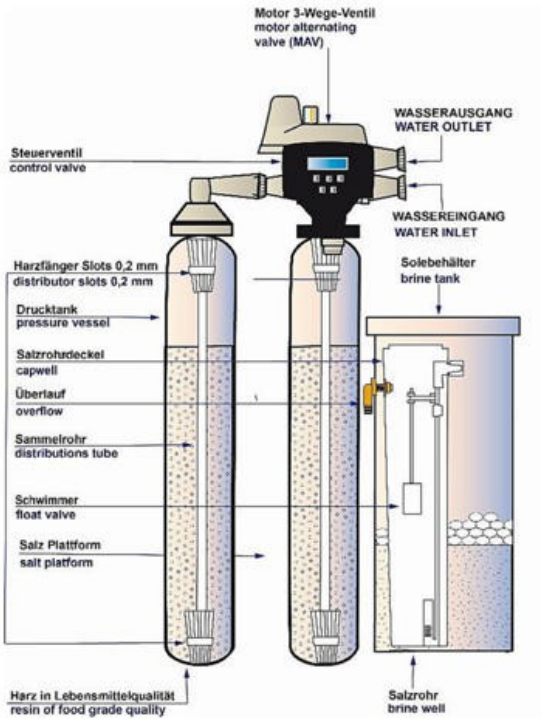
System designation		VAD 15 TT	VAD 25 TT	VAD 50 TT	VAD 75 TT
Capacity	m³	60	100	200	300
Salt consumption (with full salting)	kg/shelf	2.4	6	12.0	18
Salt supply	kg	75	75	150	150
Water consumption	L/Reg	150	250	500	750
Resin content	litres	15	25	50	75
Pressure tank type	Inch	7x35	9x35	12x48	13x54
Nominal flow rate according to DIN 19636 (20°dH to 8°dH)	m³/h	1.8	3.0	6.1	6.1
Nominal flow rate from 20°dH to 0.5°dH	m³/h	0.6	1.0	2.0	3
Capacity of brine tank	kg	100	100	200	200
Brine tank h x Ø	mm	630x467	630x467	1000x530	1000x530
Block dimensions WxDxH	mm	1600x600 x1400	1700x600 x1400	1700x600 x1700	1800x700 x1800

Technical data:
Flow pressure min. 2.5 bar, water
pressure max. 8 bar, water
temperature max. 30˚C,
Raw water and soft water connection R 1 inch AG,
Sewer connection 12 mm,
Electrical connection 230V/50Hz, 12V secondary



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Regeneration options

Regeneration can be carried out with:
Full salting:
Application for all technical systems that require treatment < 0.1°dH, such as
- Pre-treatment for reverse osmosis systems
- Boiler feed water treatment
- Heating water treatment

Economical salting:
Typically used for
- Drinking water application in accordance with DIN 19636
- Treatment of cooling water in accordance with VDI 3803

Systems with control valve setting – full salination

Systems with full salting		**VAD 15 TT**	**VAD 25 TT**	**VAD 50 TT**	**VAD 75 TT**
Performance data					
Nominal capacity	m³x°dH	60	100	200	300
Salt consumption per regeneration	kg	2.4	6	12	18
Wastewater volume per regeneration	l/reg.	150	250	500	750

Systems with control valve setting - economical salting

Systems with economical salting		**VAD 15 TT**	**VAD 25 TT**	**VAD 50 TT**	**VAD 75 TT**
Performance data					
Nominal capacity	m³x°dH	44	73	146	219
Salt consumption per regeneration	kg	2.4	4	484	12
Wastewater volume per regeneration	l/reg.	100	170	340	530

Economical salting is not suitable for use in boiler feed water or reverse osmosis pre-treatment!

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