

BWT Water Softeners (Aquadial & Bewemat)

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Agenda

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- USP of the BWT Softeners
- Bewamat overview
 - Features & installation
- Aquadial overview
 - Features & installation
- Maintenance
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SILKY-SOFT
BWT PEARL WATER

B.WATER - B.LOCAL
FOR THE B.CLEVER GENERATION

• Planet Blue's Greatest Revolution

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Why should I use a softener?



Using a softening unit:

- ✓ Effective Prevention of scaling and deposits
- ✓ For clean, hygienic surfaces and components
- ✓ Necessary where water is heated to 60 °C and higher
- ✓ To maintain the energy efficiency in heating systems



Enjoy
SOFT Water



Soft skin



Silky Hair



BWT

Smooth and soft laundry



A young boy with dark hair and a serious expression is looking out from the circular opening of a washing machine. He is wearing white shorts and white socks. The washing machine's drum is visible in the foreground, framing the boy. The background shows a modern bathroom with a glass shower door and a tiled floor.

**Save
money!**

BWT Softening Technology - USP's



- ✓ **BWT – Silky soft pearl water**
An integrated blending valve allows the individual adjustment of water hardness level – right to where it belongs and according to customers' like
- ✓ **Highly hygienic**
The Automatic self-disinfection by means of salt electrolysis keeps the resin free of bacteria
- ✓ **Green technology**
Efficient regeneration process for a low salt consumption and a low environmental impact
- ✓ **Made in Germany**
Developed in accordance with the strict European quality and authorization standards
- ✓ **Easy to install**
No complicated pipework





Bewamat 75A





Bewamat 75A Simplex Softener

- Perfect hygiene and lime scale protection
- Less energy and heating costs
- Up to 50% less consumption of detergents and other cleaning agents



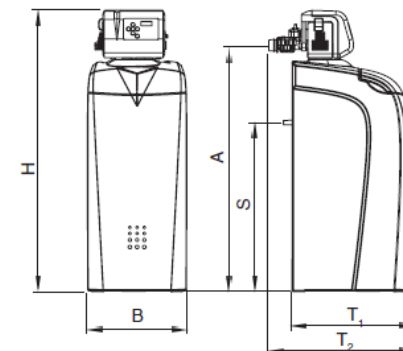
R 23000,00

Product Features



- Time (96h) and quantity depended regeneration
- Automatic disinfection of the resin during regeneration
- Free adjustable regeneration time
- Integrated blending valve
- Usage up to 4 residential units
- High capacity
- Connection width DN32
- Big salt container
- High flow rate

Bewamat	type	25 A	75 A
Nominal connection width	DN	32 (G 1 1/4" external threads)	
Nominal pressure (PN)	bar	10	
Operating pressure	bar	2.5 - 8.0	
Nominal flow according to EN 14743	m ³ /h	1.4	1.8
Pressure loss for nominal flow	bar	1.0	
Max. flowrate	m ³ /h	1,4	2,5
Nominal capacity according to EN 14743m ³ x °d (mol)		25 (4,5)	75 (13,4)
Regenerative consumption per regeneration, ca.	kg	1.2	3.5
Regenerative water requirement, ca.	litres	55	128
Quantity of resin	litres	8	21
Max. supply of regenerative	kg	15	50
Power supply	V/Hz	230/50	
Power in watts, operation/regeneration	watts	4 / 20	
Unit voltage	V/AC	18 ~	
Permissible voltage peaks, max.	KV	1	
Protection class		IP 53	
Water/ambient temperature	°C	5 - 30 / 5 - 40	
Humidity		non-condensing	
Height H x Width W x Depth D ₁ /D ₂ , ca.	mm	640 x 390	1090 x 390
Depth D ₁ / D ₂ , ca.	mm	460 / 560	460 / 560
Connection height A	mm	500	960
Height of overflow S	mm	280	650
Connection width	mm	60	
Min. sewage system connection	DN	50	
Approx. operating weight	kg	40	100
Production number		6-501177	6-501178



Installation Examples



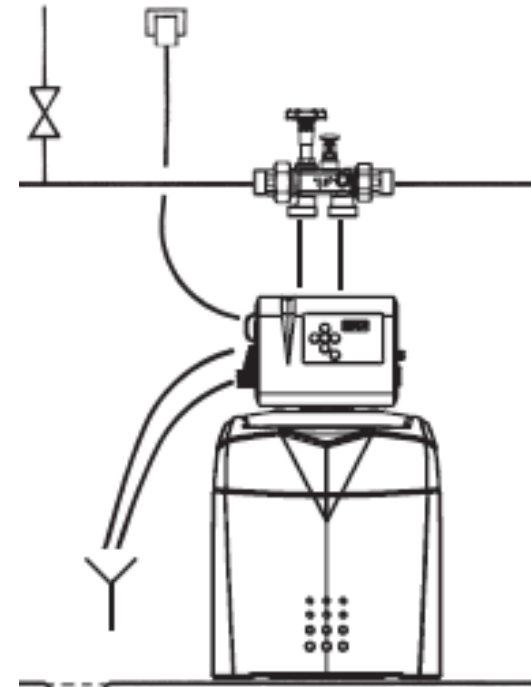
Installation Conditions

To guarantee an optimal operation

- Pre-filtration with 90µm
- Minimum inlet pressure of **2,5bar**
- Flushing + overflow hose **must fall** to the drain connection!

Optional

- BWT Multiblock X
- BWT Connection set





Aquadial 15 & 25





Aquadial 15 & 25

- Water softener for domestic water treatment
- The very compact design allows an installation under or next to the sink, small water boilers, dish washers, etc.
- Protects water systems and connected consuming units against incrustations and corrosion caused by lime scale

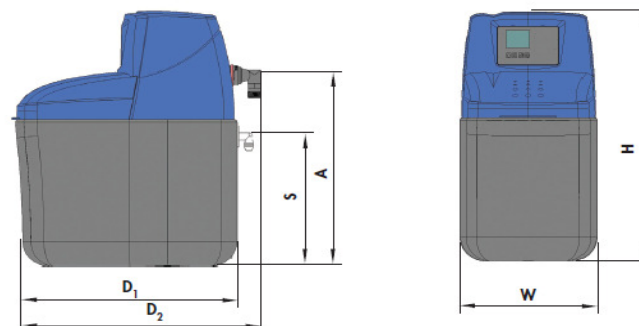


Product Features

- Compact and solid design
- Intuitive menu guidance
- Smart power options for protected, interrupted and non mains operation
- Proportional brining (more capacity, less salt consumption)
- Suitable for low pressure operation **1 bar**
- Smart control
- Integrated blending valve

BWT AQUADIAL softlife	Type	15 / 15 Bio	25 / 25 Bio
Nominal connection (outside thread)	BSP	¾" (DN 20)	¾" (DN 20)
Nominal flow rate in accordance with EN 14743	l/h	1560	1680
Operating pressure EU (min./max.)	bar	1.0 / 8.0	1.0 / 8.0
Operating pressure UK (min./max.)	bar	1.7 / 5.0	1.7 / 5.0
Pressure drop down at nominal flow in accordance with EN 14743	bar	1.0	1.0
Quantity of ion-exchange resin	l	15	25
Nominal capacity (EN 14743) / (CaCO ₃ mmol/l)	m ³ ·dH/mol/ppm	43 / 7.7 / 770	75 / 13.4 / 1340
Capacity salt reservoir	kg	16	24
Salt consumption per regeneration	kg	2.0	3.0
Water consumption per regeneration	l	105	145
Protection class	IP	51	51
Feed water temperature (min./max.)	°C	5 / 30	5 / 30
Ambient temperature (min./max.)	°C	5 / 40	5 / 40
Electrical connection	V / Hz	230 / 50	230 / 50
Dimensions: Width x depth x height (W x D ₂ x H)	mm	270 x 480 x 602	270 x 480 x 804
Connection height (A) / Overflow height (S)	mm	473 / 350	675 / 540
Operating weight, approx.	kg	50	70

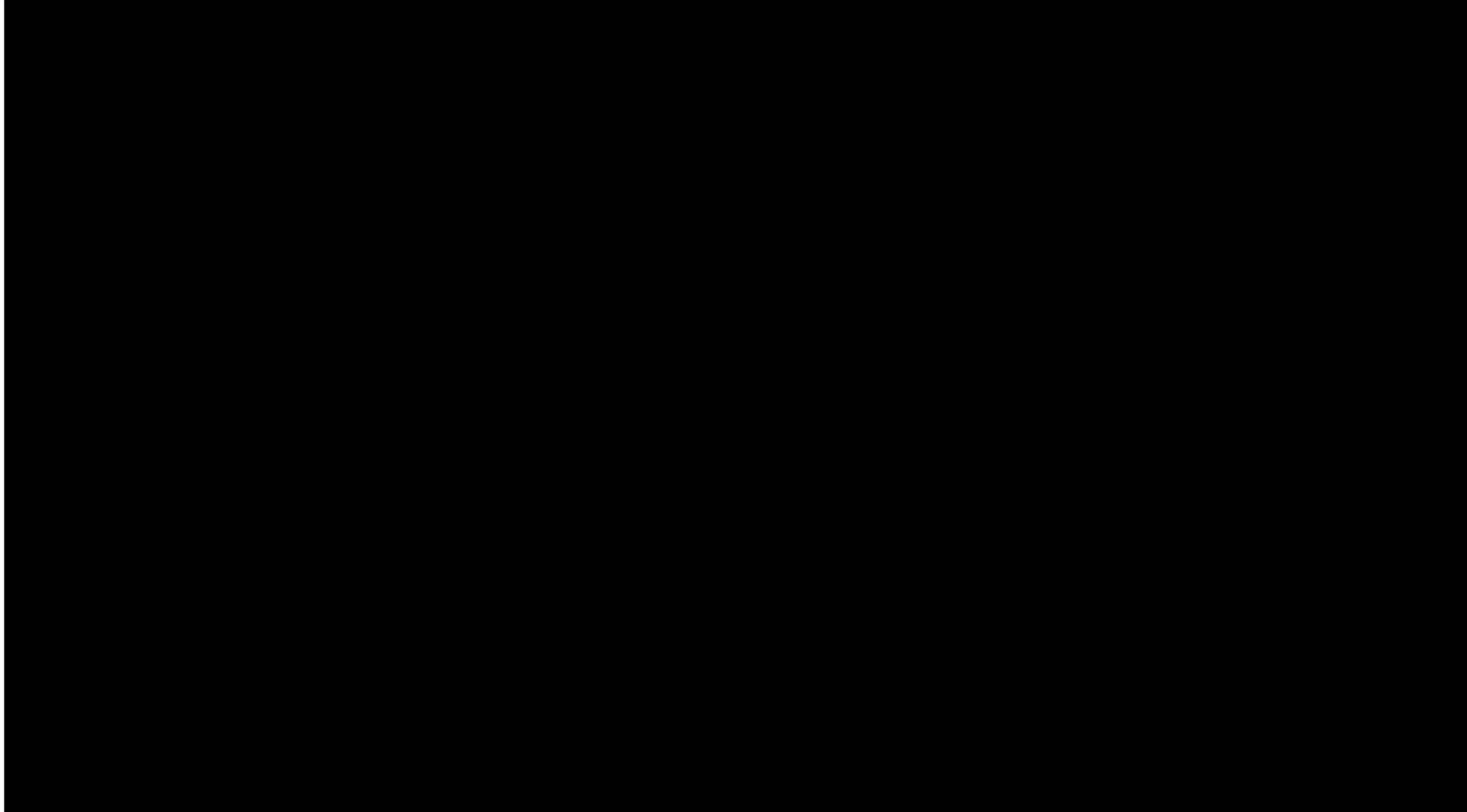
*Tested with HiFlow connection available in option



Hardness conversion chart + Capacities.

Softener Model:			10 litres	15 litres	20 litres	25 litres
M3/°F			50	75	100	125
German °H	French °H	PPM (mg/l)	Capacity	Capacity	Capacity	Capacity
5.6	10.0	100	5000	7500	10000	12500
6.2	11.0	110	4545	6818	9091	11364
6.7	12.0	120	4167	6250	8333	10417
7.3	13.0	130	3846	5769	7692	9615
8.4	15.0	150	3333	5000	6667	8333
10.1	18.0	180	2778	4167	5556	6944
11.2	20.0	200	2500	3750	5000	6250
12.3	22.0	220	2273	3409	4545	5682
13.4	24.0	240	2083	3125	4167	5208
14.6	26.0	260	1923	2885	3846	4808
15.7	28.0	280	1786	2679	3571	4464
16.8	30.0	300	1667	2500	3333	4167
17.9	32.0	320	1563	2344	3125	3906
19.0	34.0	340	1471	2206	2941	3676
20.2	36.0	360	1389	2083	2778	3472
21.3	38.0	380	1316	1974	2632	3289
22.4	40.0	400	1250	1875	2500	3125
23.5	42.0	420	1190	1786	2381	2976
24.6	44.0	440	1136	1705	2273	2841
25.8	46.0	460	1087	1630	2174	2717
26.9	48.0	480	1042	1563	2083	2604
28.0	50.0	500	1000	1500	2000	2500
29.1	52.0	520	962	1442	1923	2404
30.3	54.0	540	926	1389	1852	2315
31.4	56.0	560	893	1339	1786	2232
32.5	58.0	580	862	1293	1724	2155
33.6	60.0	600	833	1250	1667	2083

Aquadial Installation Video



Maintenance Bewamat



Functional Inspections

- Brine extraction system
- Non-return valves
- Water metre
- Electrolysis cell
- Solenoid valves
- Hoses
- Drive motor & gears
- Blending valve

Exchange

- Single valve and column every 10 years



*that's just a recommendation. Exchange intervals always depend on the local water quality.

Maintenance Aquadial



Functional Inspections

- Brine extraction system
- Water turbine
- Electrolysis cell
- Hoses
- Hydraulics test
- Blending valve

Exchange

- Single valve and column every 10 years



*that's just a recommendation. Exchange intervals always depend on the local water quality.

Sanitabs Salts



R 650,00

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Thank you !

