

## Zmiękczaczy klasyczne ST

Classic water softening sets ST consist of separate filter housings with ion exchange resin and salt tank, arranged separately from each other. They are used in cases of high water consumption, mainly in industry. During rinsing (regeneration) of individual sets, the water flow to the user is either closed off or supplied with the original quality. In case of the need for continuous water supply to the user, several such sets are installed in parallel or continuous action softeners of the Krilico SD series are used.

The system is used to reduce water hardness in homes, offices, industrial applications, as well as heating and power systems. The main purpose of water softening is to eliminate excess calcium and magnesium ions, which are responsible for water hardness. Water softening systems help prevent scale formation in pipelines, boilers, and evaporators.

The presented softeners have digital control. Regeneration initiation is freely programmed based on:

- softened water volume,
- time, or
- whichever comes first.

### The set includes:

1. Filter housing;
2. Flow distribution system (distributor);
3. Ion exchange resin with different properties;
4. Control valve;
5. Salt tank;
6. Product passport and user manual.



Krilico ST	0817	0835	1035	1044	1054
Nominal performance, m <sup>3</sup> /h *	1,2	1,2	1,8	1,8	1,8
Maximum performance, m <sup>3</sup> /h	1,5	1,5	2,3	2,3	2,3
Maximum volume of softened water between regenerations at a water hardness of 15°d	1,6	3,6	5	7	10
Resin volume, l	8	18	25	35	50
Ion exchange resin capacity, m <sup>3</sup> x °d	22,4	50,4	70	98	140
Connection diameter Inlet/Outlet/Drain, inches	1	1	1	1	1
Average salt consumption per DownFlow regeneration, kg	1	2,2	3	4,2	6
Average salt consumption per UpFlow regeneration, kg	0,8	1,8	2,4	3,4	4,8
Water volume for regeneration (not more), l	177	201	236	436	441
Regeneration intensity, m <sup>3</sup> /h	0,39	0,39	0,61	0,61	0,61
Pressure drop at ΔP= 2 bar	0,4	0,5	0,5	0,5	0,5
Dry weight, kg	15,5	23,9	29,9	37,9	49,2
Salt tank volume, l	60	60	60	60	70
Overall external dimensions, LxWxH, mm	614x390x670	614x390x110	664x390x110	664x390x1325	664x390x1580
Salt tank dimensions, LxWxH, mm	390x390x810	390x390x810	390x390x810	390x390x810	390x390x810
Order number	ST0817-C	ST0835-C	ST1035-C	ST1044-C	ST1054-C

\* - at water hardness of purified water up to 0.1 °d.

#### Main features of Krilico ST water softening installations:

- Operating water pressure: 2.5 - 7 bar
- Electrical connection: 120V AC - 220V AC, 50-50 Hz
- Electric power supply output: 12V AC
- Operating water temperature min./max.: 3-40 °C
- Ambient temperature: 2-45 °C
- Protection degree: IP44

#### For convenience of installation and use, we recommend purchasing:

- Flexible connection hoses M-F 1" L=80 cm
- Tablet salt, 25 kg package
- Water hardness determination test "Aquatest"

Krilico ST	1248	1252	1354	1465	1665
Nominal performance, m <sup>3</sup> /h *	2,6	2,6	3	3,5	4,6
Maximum performance, m <sup>3</sup> /h	3,3	3,3	3,9	4,5	5,9
Maximum volume of softened water between regenerations at a water hardness of 15°d	12	13	15	20	25
Resin volume, l	60	65	75	100	125
Ion exchange resin capacity, m <sup>3</sup> x °d	168	182	210	280	350
Connection diameter Inlet/Outlet/Drain, inches	1	1	1	1 / 1,5	1,5
Average salt consumption per DownFlow regeneration, kg	7,2	7,8	9	12	15
Average salt consumption per UpFlow regeneration, kg	5,8	6,3	7,2	9,6	-
Water volume for regeneration (not more), l	564	564	712	822	1066
Regeneration intensity, m <sup>3</sup> /h	0,88	0,88	1,03	1,19	1,94
Pressure drop at ΔP= 2 bar	0,6	0,6	0,6	0,6	0,4
Dry weight, kg	57,2	63,3	73,6	95,9	136,2
Salt tank volume, l	70	100	100	100	140
Overall external dimensions, LxWxH, mm	715x390x1427	775x450x1530	800x450x1580	830x450x1860	930x550x1865
Salt tank dimensions, LxWxH, mm	390x390x810	450x450x940	450x450x940	450x450x940	500x500x1060
Order number	ST1248-C	ST1252-C	ST1345-C	ST1465-C	ST1665-C

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Krilico ST	1865	2162	2472	3072	3672
Nominal performance, m <sup>3</sup> /h *	5,8	7,9	10,3	16	23
Maximum performance, m <sup>3</sup> /h	7,4	10,1	13,2	20,6	29,6
Maximum volume of softened water between regenerations at a water hardness of 15°d	32	42	60	90	120
Resin volume, l	160	210	300	450	600
Ion exchange resin capacity, m <sup>3</sup> x °d	448	588	840	1260	1680
Connection diameter Inlet/Outlet/Drain, inches	1,5/1,5/1,25	1,5/1,5/1,25	2/2/1,5	2/2/1,5	2/2/1,5
Average salt consumption per DownFlow regeneration, kg	19,2	25,2	36	54	72
Average salt consumption per UpFlow regeneration, kg	-	-	-	-	-
Water volume for regeneration (not more), l	1233	2368	2841	3916	6126
Regeneration intensity, m <sup>3</sup> /h	2,46	3,35	4,38	6,84	9,85
Pressure drop at ΔP= 2 bar	0,5	0,6	0,6	0,5	0,6
Dry weight, kg	174,2	223,4	333,9	492,9	660,1
Salt tank volume, l	200	200	350	500	750
Overall external dimensions, LxWxH, mm	1030x550x1870	1110x550x1790	1370x740x2065	1630x840x2070	1900x960x2070
Salt tank dimensions, LxWxH, mm	550x550x1160	550x550x1160	740x740x1275	840x840x1335	960x960x1395
Order article number	ST1865-C	ST2162-C	ST2472-C	ST3072-C	ST3672-C

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**Set of hoses for quick and flexible connection**

Connection type: M - 1", F - 1"  
(detachable)

Length: 80 cm

Maximum pressure: 10 bar

Order number: FH1-80

**Tablet salt for regenerating water softening installations**

Packaging: 25 kg

Order article number: Slt25-01

**Express test for determining water hardness**

Very convenient to use, allows for easy and quick obtaining of data. The tester has a measurement range from 1 to 40 °dH.

The number of measurements depends on the specified water hardness.

Order article number: AT0101

