

SOFTEC DSP/DSP TWIN

DUPLEX Softening Systems

Our SOFTEC DSP series is a solution for providing softened water in private, commercial and industrial systems with output of up to 20 m³/h. The systems equipped with CLACK central control valves are easy to install, programme and operate.

Features:

- Double softening system
- Continuously soft water
- Simple installation and commissioning
- 9 freely programmable cycles
- Automatic regeneration*

Components:

- GRP filter tank
- Cation resin
- Central control valves
- 3-way reversing valve
- Brine tank
- Brine valve
- Pipework including all required fittings and measuring instruments for configuration of the system and control of hydraulic parameters

Operating conditions:

The requirements for the water inflow to the systems are listed below:

Inlet pressure	2-6 bar
Inlet temperature	5-40° C
Free chlorine (Cl ₂)	< 0.1 mg/l
Iron (Fe)	< 0.1 mg/l
Manganese (Mn)	< 0.1 mg/l
Inlet water	free of oil, oxidants, colloids and particles



We recommend installing a filter, either a cartridge filter or self-cleaning filter with a filter unit of 100µm, upstream from the water softening system.

*For regeneration of the system, we recommend using pure salt for technical applications in tablet form, granulate or liquid brine.

Technical data:

Type		DSP 25 IA	DSP 50 IA	DSP 75 IA	DSP 100 IA	DSP 150 IA	DSP 200 IA
Output*	m ³ /h	0.5-2.1	0.7-2.9	1.1-4.3	1.3-5.2	1.7-6.9	2.9-11.7
Operating mode*		Direct current regeneration					
Differential pressure	bar	1.0					
Electrical connection		230V, 50Hz, 12V					
Resin qty. per tank	(l)	25	50	75	100	150	200
Resin capacity	m ³ x °dH	100	200	300	400	600	800
Tank size	Inches	8x44	10x54	14x52	14x65	18x65	24x69
Brine tank	Volume (l)	80	100	200	200	400	400
Connection		DN25	DN25	DN25	DN25	DN32	DN40
Dimensions*	Height (mm)	1430	1685	1645	1975	2025	2045
	Width (mm)	1475	1580	1885	1885	2400	2650
	Depth (mm)	460	465	560	560	835	835

*All data are approximate values

Technical data:

Type		DSP250 IA	DSP300 IA	DSP400 IA	DSP500 IA	DSP650 IA	DSP750 IA	
Output*	m ³ /h max.	9	11.5	18	18	20	20	
Operating mode		Direct current regeneration						
Differential pressure	bar	1.0						
Electrical connection		230V, 50Hz, 12V						
Resin qty. per tank	(l)	250	300	400	500	650	750	
Resin capacity	m ³ x °dH	1000	1200	1600	2000	2600	3000	
Tank size	Inches	21 x 62	24 x 72	30 x 72		36 x 72		
Brine tank	Volume (l)	500		750	1000		1500	
Connection		DN40			DN50			
Dimensions*	Height (mm)	2400	2400	2400	2400	2400	2400	
	Width (mm)	3000	3000	3000	3000	3500	4000	
	Depth (mm)	1100	1100	1100	1100	1500	1500	

*All data are approximate values