

CHEWATEC

CHEWATEC Duplex Softeners

Softening with continuous flow

REASONABLE SOLUTION OF SOFTENING



Softener CHEWATEC *SOFT DUPLEX*

Removal of calcium and magnesium

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CHEWATEC SOFT DUPLEX - An automatic softening filter ensures reduction of the amount of calcium and magnesium that causes water hardness. The electronic valve and control of the softener provides automatic operation and continuous softening with the regeneration of one vessel while in operation the other.

Applications:

- Potable and process water
- Boiler feed water
- Cooling towers
- Laundry rooms and restaurants
- Protection of heat transfer elements and spray nozzles
- Pretreatment of reverse osmosis
- Recirculation of waste waters
- Sanitation of ground water

CHEWATEC SOFT TWCTRL 1" includes:

- Twin Volume Control valve + control
- 2 Top distributors + 2 riser tubes + 2 bottom distributors
- Brine tank
- 2 Composite vessels
- Heterodisperse resin (filled up to 40L of resin)
- Brine well with aircheck
- Water meter
- 2 Connection tubes for 2nd vessel
- Transformer 12V
- Float switch
- Masonite salt grid



Valve	Resin	Vessel	Brine tank	App. OUT (15°D)	App. OUT (25°D)	Volumetric Control
TWIN 1"	10 L	Q - 06.35	100L	0.3 m ³ /h	0.2 m ³ /h	ST1-10-V
TWIN 1"	22 L	Q - 08.35	100L	0.7 m ³ /h	0.4 m ³ /h	ST1-22-V
TWIN 1"	35 L	Q - 10.44	200L	1.2 m ³ /h	0.7 m ³ /h	ST1-50-V
TWIN 1"	50 L	Q - 10.54	200L	1.7 m ³ /h	1.0 m ³ /h	ST1-50-V
TWIN 1"	75 L	Q - 13.54	300 L	2.6 m ³ /h	1.5 m ³ /h	ST1-75-V
TWIN 1"	100 L	C - 14.65	200L	3.4 m ³ /h	2.0 m ³ /h	ST1-100-V
TWIN 1"	150 L	C - 16.65	300L	5.2 m ³ /h	3.1 m ³ /h	ST1-150-V

*Output (15°D) is a calculated flow for reduction of the input water hardness by 15°D

*Output (25°D) is a calculated flow for reduction of the input water hardness by 25°D

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CHEWATEC SOFT DUPLEX 1" includes:

- 2 Volumetric valves + control
- Alternating valve
- 2 top distributors + 2 riser tubes + 2 bottom distributors
- Brine tank
- 2 Composite vessels
- Heterodisperse resin (filled up to 40L of resin)
- 2 Brine well with aircheck
- Masonite grid
- Float switch
- 2 bypass
- 2 kit vertical adapter for duplex interconnection



Valve	Resin	Vessel	Brine tank	App. OUT (15°D)	App. OUT (25°D)	Volumetric Control
DUPLEX 1"	10 L	Q – 06.35	100L	0.3 m ³ /h	0.2 m ³ /h	SD1-10-V
DUPLEX 1"	22 L	Q – 08.35	100L	0.7 m ³ /h	0.4 m ³ /h	SD1-22-V
DUPLEX 1"	30 L	Q – 10.35	100L	1.0 m ³ /h	0.6 m ³ /h	SD1-30-V
DUPLEX 1"	50 L	Q – 10.54	100L	1.7 m ³ /h	1.0 m ³ /h	SD1-50-V
DUPLEX 1"	100 L	C – 14.65	200L	3.4 m ³ /h	2.0 m ³ /h	SD1-100-V
DUPLEX 1"	150 L	C – 16.65	300L	5.2 m ³ /h	3.1 m ³ /h	SD1-150-V

CHEWATEC SOFT DUPLEX 1.25" incl.:

- 2 Volumetric valves + Control
- 2 WS1 bypass + vertical adapter
- Alternating valve MAV
- 2 Top distributors + 2 riser tubes + 2 bottom distributors
- Brine tank
- 2 Composite Vessels
- Heterodisperse resin
- 2 Brine well with aircheck
- Masonite grid
- Float switch
- 2 bypass
- 2 kit vertical adapter for duplex interconnection



Valve	Resin	Vessel	Brine tank	App. OUT (15°D)	App. OUT (25°D)	Volumetric Control
DUPLEX 1.25"	50 L	Q – 10.54	100L	1.7 m ³ /h	1.0 m ³ /h	SD125-50-V
DUPLEX 1.25"	75 L	Q – 13.54	200L	2.5 m ³ /h	1.5 m ³ /h	SD125-75-V
DUPLEX 1.25"	100 L	Q – 14.65	200L	3.4 m ³ /h	2.0 m ³ /h	SD125-100-V
DUPLEX 1.25"	150 L	C – 16.65	300L	5.2 m ³ /h	3.1 m ³ /h	SD125-150-V
DUPLEX 1.25"	200 L	C – 18.65	300L	6.8 m ³ /h	4.2 m ³ /h	SD125-200-V

CHEWATEC Duplex Softeners

CHEWATEC SOFT DUPLEX 1.5" incl.:

- 2 Volumetric valves + Control
- Alternating valve 1,5''
- WS15 meter
- 2 Top distributors + 2 riser tubes + 2 bottom distributors
- Brine tank
- 2 Composite vessels
- Heterodisperse resin
- 2 Brine well with aircheck
- Masonite grid
- Float switch



Valve	Resin	Vessel	Brine tank	App. OUT (15°D)	App. OUT (25°D)	Volumetric Control
DUPLEX 1.5"	100 L	C – 14.65	200 L	3.4 m ³ /h	2.0 m ³ /h	SD15-100-V
DUPLEX 1.5"	150 L	C – 16.65	300 L	5.2 m ³ /h	3.1 m ³ /h	SD15-150-V
DUPLEX 1.5"	200 L	C – 18.65	300 L	6.9 m ³ /h	4.2 m ³ /h	SD15-200-V
DUPLEX 1.5"	300 L	C – 24.69	400 L	10.4 m ³ /h	6.2 m ³ /h	SD15-300-V
DUPLEX 1.5"	400 L	C – 30.72	500 L	13.8 m ³ /h	8.3 m ³ /h	SD15-400-V
DUPLEX 1.5"	500 L	C – 30.72	500 L	17.3 m ³ /h	10.3 m ³ /h	SD15-500-V

CHEWATEC SOFT DUPLEX 2" incl.:

- 2 Volumetric valves + Control
- Alternating valve 2''
- WS2 meter
- 2 Top distributors + 2 riser tubes + 2 bottom distributors
- Brine tank
- 2 Composite vessels
- Heterodisperse resin
- 2 Brine well with aircheck
- Masonite grid
- Float switch



Valve	Resin	Vessel	Brine tank	App. OUT (15°D)	App. OUT (25°D)	Volumetric Control
DUPLEX 2"	200 L	C – 18.65	300 L	5.2 m ³ /h	3.1 m ³ /h	SD2-200-V
DUPLEX 2"	300 L	C – 24.69	400 L	10.4 m ³ /h	6.2 m ³ /h	SD2-300-V
DUPLEX 2"	400 L	C – 30.72	500 L	13.8 m ³ /h	8.3 m ³ /h	SD2-400-V
DUPLEX 2"	500 L	C – 30.72	500 L	17.3 m ³ /h	10.3 m ³ /h	SD2-500-V