



picture: DUOTROL 2900

DUOTROL 2000 - 5300

Duplex Water Softeners - volume controlled

Automatic, volume-controlled duplex softener producing soft water by means of ion-exchange. Regeneration is initiated automatically as soon as the water amount set has been consumed.

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Unit design

Two ion-exchange tanks made of glass-fibre reinforced plastic with PE inliner, ion exchange resin, and supporting gravel for on-site filling.

ABS main control valve for each ion exchange tank (concurrent flow)

Brine tank with salt tray, support, two standpipes, two brine valves, and plastic lid (with two brine tanks beginning with the 3700)

Pre-mounted pipework with manual isolating valves in the inlet and outlet pipe of each filter

During regeneration, the soft water connection is **automatically locked** by an operating valve

Cam drive controlling a hydraulically operated main control valve on each exchange vessel

Manometer for raw water pressure, manometer for soft water pressure

Water meter for exact determination of the soft water amount produced

Salt empty switch in the brine tank

Microprocessor control, type Softrol, in a wall-mounted casing for fully automatic operation. Initiation of regeneration and change to the 2nd ion-exchange tank as soon as the water amount set has been consumed; display (16 characters, 2 lines) with menu operation. In the event of power failure, the basic programming will be stored in the Flash-EEPROM for 60 months.

Relay outputs for

- any switching device (universal output; voltage-free change over contact)
- production message for tank 1/tank 2 (voltage-free change over contact)
- regeneration tank 1 (voltage-free NO contact)
- regeneration tank 2 (voltage-free NO contact)
- malfunction (voltage-free change over contact)

Options:

- WUP-D7/-D8 guarantees minimum flow rate
- Blending device VSE
- Regeneration with brine

Technical Data		DUOTROL 2000	DUOTROL 2900	DUOTROL 3700	DUOTROL 5300
Nominal capacity	m³ x °dH	2000	2900	3700	5300
Capacity	m³/h	20	28	37	53
Pressure drop	bar	1.5	1.8	2.0	
Min. flow	m³/h	2.5	3.7	5.0	
Salt consump./reg.	kg	100	145	185	265
Flushing water per regeneration	l	3816	5385	7241	9841
Flushing water flow max.	m³/h	5.1	7.8	10.2	12.8
Raw / soft water connection	DN	65/50	80/65	100/80	150/100
Volume brine tank	l	1600		2 x 1600	
Height brine tank	mm	1675			
Diameter (outside) brine tank	mm	1290			
Height	mm	2700	2800	3000	
Width	mm	3350	3750	6100	6300
Depth	mm	1300	1500	2000	
Item no.		360 090	360 091	auf Anfrage	auf Anfrage
Voltage 230/50 V/Hz, operating pressure min./max. 3/6 bar, pressure fluctuation max. ± 0.5 bar, operating temperature min./max. 5/35 °C					