



type	consisting of
WA 16	WA 500 + AWA 16
WA 40	WA 500 + AWA 40
WA 75	WA 500 + AWA 75
WA 110	WA 500 + AWA 110
WA 180	WA 500 + AWA 180
WA 210	WA 500 + AWA 210

Connection kit AWA for the connection with the tank.

Technical description

For stainless drying the cleaned parts have to be rinsed with DI-water after having been rinsed with tap water. All stain provoking ingredients of the tap water, residues of cleaning solutions and possibly existing suspended particles become filtered by the DI-water treatment WA 500.

The WA 500 has to be connected with the in- and outlet of the rinsing tank by a connection set. The rinsing water flows with static pressure from the over-flow of the tank into the storage vessel of the WA 500. The water from the vessel is being sucked in by the centrifugal pump and led through an activated carbon filter and a mixed-bed ion exchanger.

The activated carbon filter removes organic ingredients, tensides and possibly existing suspended particles from the rinsing water. The mixed-bed ion exchanger desalinates the rinsing water (Deionat). The quality of the rinsing water – conductivity in $\mu\text{S}/\text{cm}$ – is displayed at the digital conductivity meter at the front side. The degree of soiling/contamination of the activated carbon can be read off the two manometers.

It is however recommended to exchange the activated carbon filter with each second exchange of the ion exchanger. The mixed-bed ion exchanger should be exchanged when reaching the limit value of the conductivity. The treatment of used-up cartridges will be handled via local service stations of the company FALK. An UV emitter is integrated in the by-pass to the supply tank and can be used optionally. This leads, during the normal cycle operation, over one component current, to a constant killing of micro organisms in the rinsing water. During off-periods of the rinsing tank the by-pass circulation can be operated separately, in order to keep WA 500 germ-free.

The cycle achievement over the WA 500, and over the by-pass, is operated by the front-lateral diaphragm valve and read off from the flow indicators. For a safety disconnection there are two single solenoid valves built in to the advance- und return system of the cleaning device. They prevent an out and/or an overflowing of the different containers when switching off the system.

The DI-water is heated by means of a thermostatically regulated electric heating in the storage vessel. The maximum operating temperature of 50 °C may not be exceeded.

Technical data:

Total device:	external dimensions: 600 × 800 × 750 mm (l × w × h) weight: approx. 85,0 kg power: max. 300 l/h conductivity: right down to 0.1 µS/cm working pressure: max. 4 bar water temperature: max. 50 °C mains connection: 230 V~ 50 Hz, cable length 2 m
Storage vessel:	tank made of PE with heating and pump level switch as dry run protection for heating and pump volume: 40 l
Heater:	thermostatically regulated electric heating, with step switch, heater made of stainless steel power: 2000 W, step switch (1-10) on the heater
Centrifugal pump:	type: CHI 2-40, 0.43 kW, producer: GRUNDFOS power: max. 2 m ³ /h at 3 bar delivery head: up to 38 m
Check valve:	1 × DN 20 made of PP
Single solenoid valve:	1 × G ½ and 1 × G 1, chemical nickel plating, electrically controlled (safety circuit)
Diaphragm valve:	2 × G ¾ made of PP
Flow-thru indicator:	2 × flow thru meter ¾" with a floating element/suspending element made of PS, with PP-connections measuring range: 40 - 400 l/h
Manometer:	0 - 6 bar, VA
Activated carbon filter cartridge:	type: DIA 2000 AK in a stainless steel housing AISI 316 Ti (1.4571), producer: FALK Filling made of special activated carbon. Cartridge with foot and heading and handles; the spreading system in the stainless steel cartridge diameter: 240 mm height: 405 mm volume: 17 l
Mixed-bed ion exchanger cartridge:	deionizing cartridge type: DIA 2000 SR-1 in a stainless steel housing AISI 316 Ti (1.4571), producer: FALK, filling made of special ion exchange resins. Cartridge with foot and heading and handles; the spreading system in the stainless steel cartridge total output: max. 2000 l up to 20 µS/cm at a tap water hardness of 10 °dH (German hardness scale) diameter: 240 mm height: 405 mm residual conductivity: < 0,1 µS/cm
Conductivity-measuring instrument:	type: D 200 AP UI, producer: FALK, measuring cell within the device measuring range: 0 - 10 µS/cm, switchable, 0 - 100 µS/cm indicator: digital with 4-digits conductance adjustable between 3 and 100% unit: of the measuring range
UV-emitter:	UV-emitter unit, 15 watts, type: Mini, producer: FALK, UV-emitter in protective quartz tube assembled with support and power unit with mains plug.
Rack:	Aluminium, mobile, with 4 swivel rollers, 2 of them ascertainable, base- and frontplate made of plastic

All units are RFI-proof and marked C €.

Subject to technical alterations.

BANDELIN

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60 years of experience in ultrasound

Certification
EN ISO 9001 / 12.2000 • EN ISO 13485:2003 + AC:2007

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