

TECHNICAL DATA

	TE 15 / TE 20	VE 15 / VE 20	MonoMatik 1x4	DuoMatik II
Capacity	Capacity at 10 °dH carbonate hardness: TE 15: 14.000 l* TE 20: 18.000 l*	Capacity at 10 °dH total hardness: VE 15: 4.000 l* VE 20: 5.500 l*	Capacity at 10 °dH total hardness: 800 l* Through flow capacity 15l/min. continuous	Continuous soft water 22 l/min. extraction possible; application for up to max. 32 °dH** total hardness
Material	Cartridge in chrome nickel steel	Cartridge in chrome nickel steel	Cartridge in fibre glass Salt container and lid in plastic	Cartridge in fibre glass Salt container and lid in plastic
Water inlet with connecting hose G 3/4"	2,0 m	2,0 m	2,0 m	2,0 m
Incoming temperature	max. 60 °C	max. 60 °C	max. 50 °C	max. 60 °C
Control	Impulse counter	Impulse counter	-	-
Method of operation	Mains power supply 230 V	Mains power supply 230 V	Mains power supply 230 V Regeneration programme	Regeneration programme automatically controlled by water hardness indicator discs and water through flow
Length of connection cable	5,0 m	5,0 m	-	-
Dimensions	TE 15: height 475 mm Ø 250 mm TE 20: height 590 mm Ø 250 mm	VE 15: height 475 mm Ø 250 mm VE 20: height 590 mm Ø 250 mm	Height 650 mm Width 260 mm Installation depth 500 mm	Height 790 mm Width 360 mm Installation depth 500 mm
Weight (incl. resin)	TE 15: 15,0 kg TE 20: 21,0 kg	VE 15: 15,0 kg VE 20: 21,0 kg	12,0 kg	21,0 kg

* Theoretical capacity. Depending on the mineral content of the supply water, it could be up to 25 % lower.

** From 33-40 °dH on request

	RoMatik 150	RoMatik 160	RoMatik 210	RoMatik 420
Inlet temperature	max. + 30 °C	max. + 25 °C	max. + 25 °C	max. + 25 °C
Permeat power with 15°C inlet temperature	max. 150 l/h	max. 160 l/h	max. 210 l/h	max. 420 l/h
Product water profit	min. 50 %	min. 50 % ¹⁾	min. 75 – 80 % ²⁾	min. 75 – 80 % ²⁾
Salt retention rate	≥ 96 %	≥ 98 %	≥ 98 %	≥ 98 %
Water quality	< 50 µS/cm	< 20 µS/cm	< 20 µS/cm	< 20 µS/cm
Water pressure on site	min. 1,5 bar, max. 6 bar	min. 1 bar, max. 6 bar	min. 1 bar, max. 6 bar	min. 1 bar, max. 6 bar
Conductivity raw water	2000 µS/cm	2000 µS/cm	2000 µS/cm	2000 µS/cm
Untreated water hardness	30 °dH	25 °dH	0 °dH	0 °dH
Storage tanks	optional	30 l	80 l	80 l
Total electrical loading	0,55 kW	1,4 kW	1,4 kW	1,9 kW
Upstream softener	–	recommended	needed	needed
Mode of operation	230 V, 50 Hz, 10 A	230 V, 50 Hz, 10 A	230 V, 50 Hz, 10 A	230 V, 50 Hz, 10 A
Protection Class	IPX I	–	–	–
Weight	30,0 kg	49,0 kg	63,0 kg	81,0 kg

¹⁾ when connected to a supply of raw water, up to 10 °dH, cold

²⁾ when connected to a supply of softened water, up to 0 °dH, cold

To guarantee the constant function of the RoMatik we urgently recommend the completion of a maintenance contract with the responsible Winterhalter after sales service.

If later the RoMatik 150 is fitted into the dishwashers GS 24, GS 29, GS 29B as well as GS 14 and GS 15 (with integrated detergent dispenser ELT 10 and/or pressureless boiler) the impulse filling kit also has to be fitted into the dishwasher.

Caution:

It is imperative that treated water does not come into contact with copper pipes, galvanised pipes or brass components (e. g. connection pieces).

Ask for the integrated water softener into dishwashers GS 302, GS 315 and dish/ utensil washer GSR 36 E, GS 402 and GS 500.

Note:

In cases where there is a low overall salt content, water up to 3 °d hardness is particularly suitable for use in dishwasher equipment. Should the raw water have a higher value, we recommend installation of an appropriate water treatment system!

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