

Water distillation apparatus



Biostill 10

Biostill 4 | Biostill 10

Ideal for:

- all water distillation processes

Features:

- fully automatic operation
- borosilicate glass 3.3
- ideal for high purity water
- free of pyrogen and metal ions
- safety features allow unattended operation



Biostill 4

Model	Biostill 4	Biostill 10
Distilled water production	4.3 l/h	10 l/h
pH		5.5 - 7
Water consumption	1 l/min	2 l/min
Conductivity at 20°C	1 µS/cm*	1.5 µS/cm*
Dimensions (W x D x H), weight	400 x 590 x 170 mm, 5.2 kg	960 x 360 x 400 mm, 23 kg
Packing size (W x D x H), gross weight	520 x 310 x 610 mm, 9.5kg	1130 x 610 x 770 mm, 30 kg
Power supply	1 Phase AC 120V, 60 Hz or AC 230V, 50/60 Hz	
Order number 230V	2 190 104	2 190 110 01

*As distillates are open to the atmosphere before measurements can be made, the value of conductivity is really much less (down to 10 times) than it is really measured. Any ultra pure water in contact with the atmosphere has a conductivity of 1-2 µS/cm and a pH of 5, due to the small amount of CO₂ (0.5 ppm) absorbed from the atmosphere.

Water purification system

NEW

pure water via reverse osmosis, 15 / 25 / 35 l/h, 0.2 – 30 $\mu\text{S}/\text{cm}$

WWP-20

Ideal for:

- production of pure water, up to 0.2-30 $\mu\text{S}/\text{cm}$

Features:

- with pretreatment system
- with RS232C interface and volumetric dispensing function with timer, level sensor included
- 2-phase-display for filter exchange
- backlight LCD display
- filter exchange message indicated by LCD display and blinking LED light
- CE certified and unique serial number for tracing

Controller:

- microprocess controller: one-touch technology



Pretreatment system

Model	WWP.RO-180	WWP.RO-280	WWP.RO-380
Flow rate	max. 15 l/h	max. 25 l/h	max. 35 l/h
Daily volume	60 l/day	100 l/day	120 l/day
Product water quality	0 to 30 $\mu\text{S}/\text{cm}^*$		
Water quality display	<ul style="list-style-type: none"> • pure water: 0.2 to 250.0 $\mu\text{S}/\text{cm}$ • feed water: 10 to 100 $\mu\text{S}/\text{cm}$ • temperature: 0 to 99.9°C 		
Display	16 x 4 characters, digital backlight LCD display		
Controller	micro processor controller: one-touch technology		
Dimensions (W x D x H)	300 x 460 x 470 mm		
Power supply	210 - 230V, 50/60 Hz, 60W		
Order number	DH.WWP.RO180	DH.WWP.RO280	DH.WWP.RO380

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The distillate amount/h depends in the water quality.

NEW

Water purification system

for ultra pure water, up to 1.5 l/min., up to 18.3 MΩ x cm

WWP.UP

Ideal for:

- production of ultra-pure water, up to 18.3 MΩ x cm

Features:

- with RS232C interface and volumetric dispensing function with timer
- 2-phase-display for filter exchange
- filter exchange message indicated by LCD display and blinking LED light
- backlight LCD display
- CE certified and unique serial number for tracing

Controller:

- microprocess controller: one-touch technology



Model	WWP.UP			
	Scholar	UV	Bio	Integrate
Flow rate	max. 1.5 l/Min.			
Product water quality	up to 18.3 MΩ x cm			
Water quality display	<ul style="list-style-type: none"> • ultra pure water: up to 18.3 MΩ x cm • feed water: 0 to 250 μS/cm • temperature: 0 to 99.9°C 			
Display	16 x 4 characters, digital backlight LCD display			
Filter composition	<ul style="list-style-type: none"> • 0.2 μm final capsule filter • UP Pack (DH.WW.UPS) 	<ul style="list-style-type: none"> • 0.2 μm final capsule filter • UP Pack (DH.WW.UPS) • 254/185 UV lamp 	<ul style="list-style-type: none"> • 0.2 μm final capsule filter • UP Pack (DH.WW.UPS) • MW 5000 UF filter (L) 	<ul style="list-style-type: none"> • 0.2 μm final capsule filter • UP Pack (DH.WW.UPS) • 254/185 UV lamp • MW 5000 UF filter (L)
Controller	micro processor controller: one-touch technology			
Dimensions (W x D x H)	300 x 500 x 470 mm			
Power supply	210 - 230V, 50/60 Hz			
Order number	DH.WWP.UP.S	DH.WWP.UP.U	DH.WWP.UP.B	DH.WWP.UP.I

TOC monitoring system is also available on request (TOC monitoring display range 0 - 200 ppb).

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The distillate amount/h depends in the water quality.

Water purification system

NEW

All-in-One system, reverse osmosis, up to 15l/h, pure water up to 2 - 30 $\mu\text{S}/\text{cm}$, ultra pure water bis 18.3 $\text{M}\Omega\text{cm}$

WWP.POWER

Ideal for:

- production of pure and ultra-pure water

Features:

- with pretreatment system
- with RS232C interface and volumetric dispensing function with timer, level sensor included
- 2-phase-display for filter exchange
- backlight LCD display
- filter exchange message indicated by LCD display and blinking LED light
- self-diagnosis for Ext- and Int-system, automatic cleaning, automatic sensor calibration
- CE certified and unique serial number for tracing

Controller:

- microprocessor controller: one-touch technology



Pretreatment system



Model	WWP.POWER			
	Scholar	UV	Bio	Integrate
Flow rate	max. 15 l/h			
Product water quality	pure water up to 0.2 - 250 $\mu\text{S}/\text{cm}$, ultra pure water up to 18.3 $\text{M}\Omega \times \text{cm}$			
Water quality display	<ul style="list-style-type: none"> • pure water: 0.2 - 250 $\mu\text{S}/\text{cm}$ • ultra pure water: up to $\leq 18.3 \text{ M}\Omega \times \text{cm}$ • feed water: 0 - 990 $\mu\text{S}/\text{cm}$ • temperature: 0 - 99.9°C 			
Display	16 x 4 characters, digital backlight LCD display			
Filter composition	<ul style="list-style-type: none"> • pretreatment system HMC-PT-3 • RO Pack • 0.2 μm final filter • UP Pack (scholar) 	<ul style="list-style-type: none"> • pretreatment system HMC-PT-3 • RO Pack • 0.2 μm final filter • UP Pack (S-UV) • 254/185 UV lamp 	<ul style="list-style-type: none"> • pretreatment system HMC-PT-3 • RO Pack • 0.2 μm final filter • UP Pack (BIO) • MW 5000 UF filter (M) 	<ul style="list-style-type: none"> • pretreatment system HMC-PT-3 • RO Pack • 0.2 μm final filter • UP Pack (INT) • 254/185 UV lamp • MW 5000 UF filter (M)
Controller	micro processor controller: one-touch technology			
Dimensions (W x D x H)	395 x 500 x 470 mm			
Power supply	210 - 230V, 50/60 Hz			
Order number	DH.WWP.POWER.S	DH.WWP.POWER.U	DH.WWP.POWER.B	DH.WWP.POWER.I

TOC monitoring system is also available on request (TOC monitoring display range 0 - 200 ppb).
With flow rate of 25l/h and 35l/h also available on request.

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The distillate amount/h depends in the water quality.

Spare filter

Description	For device...	Filter replacement period	Order number
14" Super A/C filter	-	approx. 3 - 4 month	DH.WWP.PR14AC
10" A/C filter	-		DH.WWP.PR10AC
10" prefilter	-	approx. 20 - 40 days	DH.WWP.10PF
Pure water Pack I	DH.WWP.RO180	approx. 1 year	DH.WWP.ROM1
Pure water Pack II	DH.WWP.RO280		DH.WWP.ROM2
Pure water Pack III	DH.WWP.RO380		DH.WWP.ROM3
0.2 µm final capsule filter	-	approx. 6 - 8 month	DH.WWP.0.2CF
Ultra pure water Pack, Scholar / Bio	DH.WWP.POWER.S , DH.WWP.POWER.B,	approx. 1 year	DH.WWP.UPS
Ultra pure water Pack, Scholar-UV / Integrate	DH.WWP.POWER.U, DH.WWP.POWER.I		DH.WWP.UPU
MW 5000 UF filter (M)	-	approx. 6 - 8 month	DH.WWP.MWM
MW 5000 UF filter (L)	-	approx. 6 - 8 month	DH.WWP.MWL



14" Super A/C filter



10" Prefilter



Pure water Pack I

The above mentioned filter replacement period can change according to various factors such as feed water condition, producing volume and so on.



Final capsule filter



10" A/C Filter



Ultra Pure water Pack, Scholar / Bio



Ultra pure water Pack, Scholar-UV / Integrate



Pure water Pack II

Spare UV lamps

Description	Using time	Order number
254/185 UV lamp	approx. 2,000 h	DH.WWP.UV

Bottle, HDPE, aspiration

Capacity	Neck I.Ø	Dimensions	Order number white	Order number brown
5 l	Ø70 mm	Ø200 x 360 mm	DH.Bot3102	DH.Bot3106
10 l	Ø70 mm	Ø250 x 460 mm	DH.Bot3103	DH.Bot3107
20 l	Ø95 mm	Ø300 x 555 mm	DH.Bot3104	DH.Bot3108
50 l	Ø95 mm	Ø380 x 700 mm	DH.Bot3105	DH.Bot3109

