

# Дистилляторы воды WS-200, WR20, резервуары для дистилляторов, системы дистилляции воды, картриджи для очистки воды

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# Cole-Parmer® Ion Exchange Filter Cartridges







Purify water up to 15 M-cm

- Design your system with any combination of four different cartridges. Our four grades of disposable ion exchange filter cartridges withstand water pressure as high as 100 psi for safe hookup to any laboratory tap water system. Cartridge resins turn amber to indicate when cartridges need to be changed. All cartridges must be used with mounting brackets (order separately). Store water using the accumulator cartridge for faster dispensing.

Suggested System Combinations

- A) One Adsorber and one Universal cartridge combination produces water free of all ionized constituents except free CO<sub>2</sub> and silica.
- B) Two Universal and two Research cartridges operating in tandem increase deionization capacity by 15%. Recommended for use with water that has a mineral salt concentration of 10 grains per gallon or more. When cartridges are mounted in pairs, use until the left cartridge is spent. Then, shift the right cartridge to the left side and replace the right side with a new cartridge. High water quality is retained.
- C) Metex removes ≥99% of metallic ion, ammonia, and other cations. useful for power plants and for recovery of precious metals.

item	Description
<div></div> <div>EW-01506-15</div>	<div>Ion-X-Changer Filter Cartridge, adsorber</div>


item	Description
<div data-bbox="124 253 258 376" data-label="Image"></div> <div data-bbox="132 443 300 477" data-label="Text"><p>EW-01506-25</p></div>	<div data-bbox="708 282 1078 347" data-label="Text"><p>Ion-X-Changer Filter Cartridge, universal</p></div>
<div data-bbox="124 683 258 806" data-label="Image"></div> <div data-bbox="132 873 300 907" data-label="Text"><p>EW-01506-35</p></div>	<div data-bbox="708 712 1078 777" data-label="Text"><p>Ion-X-Changer Filter Cartridge, research</p></div>
<div data-bbox="124 1115 258 1238" data-label="Image"></div> <div data-bbox="132 1305 300 1339" data-label="Text"><p>EW-01506-45</p></div>	<div data-bbox="708 1144 1078 1209" data-label="Text"><p>Ion-X-Changer Filter Cartridge, metex</p></div>



# Cole-Parmer® Monobed Deionizer Accessories



Keep your monobed deionizer running smoothly

- Designed to be easily interchanged with your monobed deionizer  
Choose from resins and an ultrapure cartridge to provide high purity water from your monobed deionizer water systems.

item	Compatible With	Description
<div>  EW-01503-10</div>	Monobed Deionizer System	Monobed Water Deionizer Mixed-Bed Resin; Bulk

item	Compatible With	Description
<div data-bbox="126 253 256 376"></div> <div data-bbox="132 443 298 479">EW-01503-12</div>	Monobed Deionizer System	Monobed Deionizer Mixed-Bed Resin Cartridge; Ultrapure
<div data-bbox="126 685 256 808"></div> <div data-bbox="264 680 430 716">EW-01503-30</div>	Monobed Deionizer System	Resin, nuclear-grade with color indicator


# Cole-Parmer® WS-200 Series Stuart Water Stills



Get high purity water with all-glass construction

- Two independent safety thermostats prevent overheating
  - Heating element shuts down when reservoir is full
- This all-glass water still with silica-sheathed heaters and high-efficiency condenser ensures top distillate purity at an economical price. A reservoir level control feature automatically turns off the heater when the reservoir is full preventing any overflow. Two independent safety thermostats, mounted in the condenser and boiler, prevent overheating in the event the water supply is interrupted.

Easily and safely change the hoses without the risk of breaking any glassware using the screw thread connections. Built-in acid addition funnel and drain stopcock allow for easy descaling without dismantling the glassware. Use the still on a benchtop or wall mount using the two predrilled screw holes in the stand.

item	Description	Capacity	Power (VAC)
 EW-99295-00	Distinction Water Still, 240 VAC	4 L/hr	240
 EW-99295-01	Distinction Water Still, 220 VAC	4 L/hr	220

# Cole-Parmer® Ion-X-Changer Water Purification Cartridges



Purify water up to 15 MΩ-cm

- Design your system with any combination of four different cartridges  
Our four grades of disposable Ion-X-Changer filter cartridges withstand water pressures as high as 100 psi for safe hookup to any laboratory tap water system. Cartridge resins turn amber to indicate when cartridges need to be changed. All cartridges must be used with mounting brackets (order separately). Store processed water using the accumulator cartridge for faster dispensing.


## Suggested System Combinations



A) One Adsorber and one Universal cartridge combination produces water free of all ionized constituents except free CO<sub>2</sub> and silica.

B) Two Universal and two Research cartridges operating in tandem increase deionization capacity by 15%. Recommended for use with water that has a mineral salt concentration of 10 grains per gallon or more. When cartridges are mounted in pairs, use until the left cartridge is spent. Then, shift the right cartridge to the left side and replace the right side with a new cartridge. High water quality is retained.

C) Metex removes ≥99% of metallic ion, ammonia, and other cations. useful for power plants and for recovery of precious metals.

•

item	Description	Capacity (grains)
 EW-01506-63	Universal Ion-X-Changer Water Purification Cartridge; 1/ea	1600 as Calcium Carbonate

item	Description	Capacity (grains)
 EW-01506-64	Adsorber Ion-X-Changer Water Purification Cartridge; 1/ea	
 EW-01506-68	Research Ion-X-Changer Water Purification Cartridge; 1/ea	1000 as Calcium Carbonate



# Cole-Parmer WR20 Reservoir Assembly for Aquatron Water Stills; 20 L



Cole-Parmer – Item # EW-99967-85

## Specifications & Description

• Capacity (Liters)	20
• Material	Glass
• Compatible With	Stuart Aquatron Water Stills
• Description	Reservoir Assembly for Aquatron Water Stills; 20 L

### MORE ABOUT THIS ITEM

Improve your operations with these accessories specifically designed for the Aquatron Water Stills.  
Stand is not included.

# Cole-Parmer®

## WS-200 Series Water Stills

- All-glass construction, with silica-sheathed heaters and a high-efficiency condenser
- Two independent safety thermostats
- Safety shut-off when reservoir is full
- Sturdy metal stand for benchtop use or wall mounting
- 3-year warranty





## WS-200 Series Water Stills

The WS-200 water still ensures top-purity distillate at an economical price for your lab. The all-glass construction with silica sheathed heaters and built-in controls switch off device when the collection reservoir is full, allowing you to always maintains quality and prevent overflow even when the still is left unattended.

Two independent safety thermostats prevent overheating in the event of a water supply interruption, while the screw-threads incorporated connections allow for hoses to be fitted and removed easily and safely without risk of breakage.

### Specifications

Model no.	WS-200
Output	4 L/hr, single distilled
pH	5.0 to 6.5
Conductivity*	1.0 to 2.0 $\mu$ Siem
Resistivity"	0.5 to 1.0 MO-cm
Temperature	25 to 35 °C (77 to 95 °F)
Pyrogen content†	Pyrogen free
Water supply	1 ml/min at 3 to 100 psi (20 to 700 kPa)
Electrical supply	220 or 240 VAC, 50/60 Hz, single
Power requirement	3 kW
Dimensions (W x H x D)	54 x 41 x 16 cm (21.2 x 16.1 x 6.2 in)
P rating	IP31
Warranty	3 years

\*conductivity and resistivity are affected by the presence of dissolved carbon dioxide in water.  
All figures given are based on tests carried out free from carbon dioxide at 20 °C (68 °F).

†Care is required to produce pyrogen free water and the output should be tested before use.

### Ordering Information

Description	Item no.	Series no.	Model no.	Legacy SKU
Water still, 240 VAC, 50/60 Hz	99295-00	WS-200	WS-200-4	D4000
Water still, 220 VAC, 50/60 Hz	99295-01	WS-200	WS-200-4-220	D4000/EURO

**Note:** Units are hard wired; the electrical installation should be carried out by a qualified electrician.

## WS-200 Cabinet-Style Water Stills

- Fully-automatic operation
- High-purity, pyrogen-free output
- Low-temperature distillate
- Operates from any raw water supply
- Reservoir level control
- Simple conversion to pre-treated feed
- Supplied with wall mounting bracket
- Safety features allow unattended operation
- Simple to clean
- 3-year warranty





## WS-200 Cabinet-Style Water Stills

The 200 series cabinet-style water stills are available in three models for single or double distillation of water. The high-quality borosilicate glassware, coupled with silica sheathed heaters, produces pyrogen-free distillate from virtually any raw water supply. The unique condenser ensures a ready-to-use cold distilled water supply. The design of the units ensures maximum energy efficiency, while the built-in "clean" function enables easy cleaning without the need for dismantling the glassware. The flow-sensor can detect reduction in the flow of cooling water and adjust the stills to run normally even with a low-pressure water supply, protecting the units from overheating and damage. The water still is simple and safe to assemble; both the acrylic safety screen and the cabinet lid can be removed for easy access to the glassware components.

### **WS-200A-4**

Operated from the laboratory bench or wall mounted to save space. Produces 4 L of single-distilled water per hour.

### **WS-200A-8**

Ideal for larger laboratories; it produces 8 L of single-distilled water per hour. The glassware is enclosed in the cabinet and the unit can also be operated from the laboratory bench or be wall mounted to save space.

### **WS-200AD-4**

Suitable for producing high-purity double-distilled water. The first distillation step is carried out in a glassware set mounted at the front of the cabinet, which can be easily accessed for descaling. The water is then fed into a second set of glassware at the rear of the device and distilled for a second time. Water level sensors to ensure the heater is only activated when there is enough water in the boiler. Produces 4 L of higher purity double-distilled or 8 L of single-distilled water per hour.

# WS-200 Cabinet-Style Water Stills

## Specifications

Model no.	WS-200A-4	WS-200A-8	WS-200AD-4
Output	4 L/hr, single distilled	8 L/hr, single distilled	4 L/hr, double distilled
pH	5.0 to 6.5	5.0 to 6.5	5.0 to 6.5
Conductivity'	1.0 to 2.0 µS/cm	1.0 to 2.0 µS/cm	1.0 to 1.5 µS/cm
Resistivity'	0.5 to 1.0 MO-cm	0.5 to 1.0 MO-cm	0.7 to 1.0 MO-cm
Temperature	25 to 35 °C (77 to 95 °F)	25 to 35 °C (77 to 95 °F)	25 to 35 °C (77 to 95 °F)
Pyrogen content†	Pyrogen free	Pyrogen free	Pyrogen free
Water supply	1 U/min at 3 to 100 psi (20 to 700 kPa)	2 L/min at 3 to 100 (20 to 700 kPa)	2 U/min at 3 to 100 (20 to 700 kPa)
Electrical supply	220 or 240 VAC, 50/60 Hz, single phase	220 or 240 VAC, 50/60 Hz, single phase	220 or 240 VAC, 50/60 Hz, single phase
Power requirement	3 kW	6 kW	6 kW
Dimensions (W x H x D)	55 x 41 x 24 cm (21.6 x 16.1 x 9.4 in)	55 x 41 x 24 cm (21.6 x 16.1 x 9.4 in)	55 x 41 x 24 cm (21.6 x 16.1 x 9.4 in)
P rating	IP21	IP21	IP21
Warranty	3 years	3 years	3 years

'Conductivity and resistivity are affected by the presence of dissolved carbon dioxide in water. All figures given are based on tests carried out free from carbon dioxide at 20 °C (68 °F).

†Care is required to produce pyrogen free water and the output should be tested before use.

## Ordering Information

Description	Item no.	Series no.	Model no.	LegacySKU
Water still, 4 L/hr, single distilled, 240 VAC	99294-05	WS-200	WS-200A-4	A4000
Water still, 4 L/hr, single distilled, 220 VAC	99294-00	WS-200	WS-200A-4-220	A40001220
Water still, 8 L/hr, single distilled, 240 VAC	99294-25	WS-200	WS-200A-8	A8000
Water still, 8 L/hr, single distilled, 220 VAC	99294-20	WS-200	WS-200A-8-220	A80001220
Water still, 4 L/hr, double distilled, 240 VAC	99294-15	WS-200	WS-200AD-4	A4000D
Water still, 4 L/hr, double distilled, 220 VAC	99294-10	WS-200	WS-200AD-4-220	A4000D1220

**Note:** Units are hard wired; the electrical installation should be carried out by a qualified electrician.

# Cole-Parmer®

## WS-100 Series Water Stills

- Glass construction with long life
- Two independent safety thermostats
- Sturdy metal stand for benchtop or wall mounting
- Economical price
- Operate directly with tap water
- 3-year warranty







## WS-100 Series Water Stills

The WS-100 range is the ideal choice for budget conscious laboratories that cannot afford to compromise on quality. It combines economy and high performance with a host of features that comparable stills cannot match.

The unique condenser design ensures every drop of distilled water remains in contact with the cooling coil for the longest possible time, producing ready-to-use, cold distilled water, while improving heating efficiency.

### Specifications

Model no.	WS-100
Output	4 L/hr, single distilled
pH	5.0 to 6.5
Conductivity*	3.0 to 4.0 $\mu$ Siem
Resistivity"	0.25 to 0.3 MO-cm
Temperature	25 to 35 °C (77 to 95 °F)
Pyrogen content†	Pyrogen free
Water supply	1 ml/min at 3 to 100 psi (20 to 700 kPa)
Power requirement	3 k W
Dimensions (W x H x D)	50 x 45 x 15 cm (19.7 x 17.7 x 5.9 in)
P rating	IP31
Warranty	3 years

\*Conductivity and resistivity are affected by the presence of dissolved carbon dioxide in water.  
All figures given are based on tests carried out free from carbon dioxide at 20 °C (68 °F).

†Care is required to produce pyrogen free water and the output should be tested before use.

### Ordering Information

Description	Item no.	Series no.	Model no.	Legacy SKU
Water still, 240 VAC, 50/60 Hz (hard wired)	99293-00	WS-100	WS-100-4	W4000
Water still, 240 VAC, 60 Hz (with plug)	99295-08	WS-100	WS-100-4-A	W4000/A
Water still, 220 VAC, 50/60 Hz	99295-06	WS-100	WS-100-4-220	W4000/EURO
Water still, 120 VAC, 60 Hz	99295-02	WS-100	WS-100-4-120	W4000/120V





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