

WaterPro® Water Purification Systems





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Results pure and simple.

Contaminate-free water is the foundation of any lab. From glassware washing to sensitive workflows such as HPLC, you should be able to count on your water purification system. Labconco's WaterPro® RO and PS Systems deliver high purity type III or I water when you need it.

Easy Operation. The WaterPro RO and PS uses simple and straight forward button dispensing to deliver high-quality lab water. Clear digital display provides real-time water resistivity readings, critical for labs.

Consistent. Labs shouldn't worry whether their water is pure enough. Labconco systems produce high quality water every day. No surprises.

Economical. Conditioning feedwater should not break the bank. With low maintenance costs and long filter life, WaterPro RO and PS Systems are a cost-effective solution for any lab.

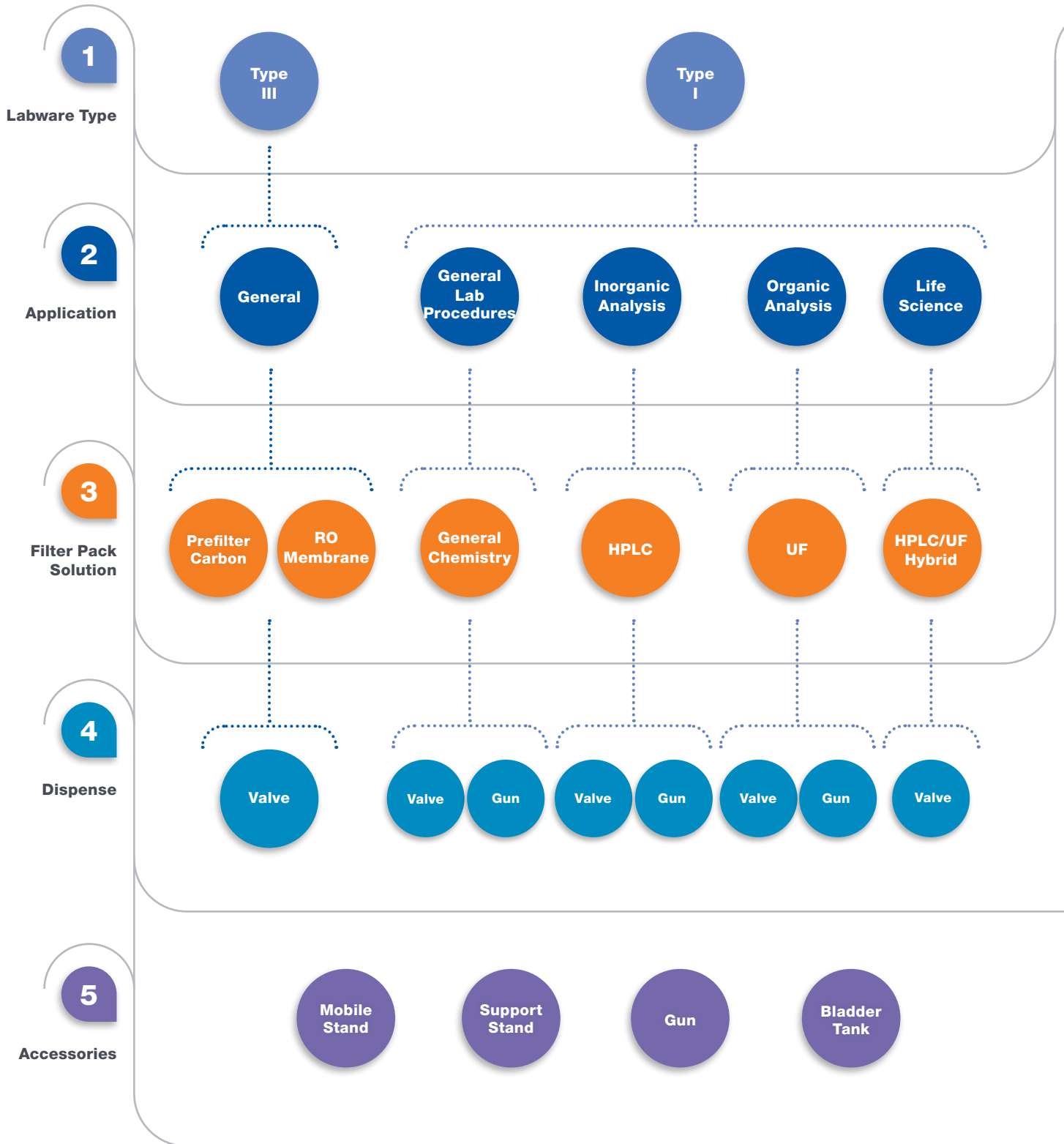
Pure water when you need it. Labconco delivers.

The Labconco logo is centered at the bottom of the page. It consists of the word "LABCONCO" in a bold, white, sans-serif font, with a registered trademark symbol (®) to the right. The text is set against a dark blue, horizontally-oriented oval background. This oval is itself centered within a larger, lighter blue, upward-pointing triangular shape that forms the bottom edge of the page's design.

LABCONCO®

WaterPro® Water Purification Systems

Steps to Selecting a Water Purification System



WaterPro® Water Purification Systems

WaterPro® Product Lines

WaterPro® Types



Type III



Type I

Accessories



Mobile Stand



Support Stand



Dispensing Gun



Bladder Tanks

WaterPro® RO Systems

Features & Benefits



Internal pressure gauges

Two gauges provide readings from 0 to 160 psi. Access gauges by removing front panel. RO membrane relief valve is preset to 150 psi.

Fastest delivery rate

Pure water is dispensed from valve or optional gun at a typical rate of 1 L/min.

Optional Dispensing Gun

May be operated with one hand and provides drop-by-drop control or locks to provide a continuous stream.

Dispensing valve

Delivers an electronically-controlled stream of water when DISPENSE button is pressed.

Easy installation

May be mounted on any vertical surface or to the optional support stand.

Durable construction

Front panel is corrosion-resistant 304 stainless steel.

Automatic flush valve

Extends life of RO membrane by flushing RO membrane and tank for three minutes after each 12-hour period of inactivity.

Air vent filter

Maintains water quality by removing bacteria and other particulate contaminants prior to air entering storage tank.

Integral storage tank

Polypropylene tank stores 17 liters of purified water.

User-friendly controls

Clear, easy to use digital display

Quiet operation

1/4 hp motor/rotary vane pump operates at less than 56 db. Low pressure switch and thermal overload shut off prevent pump damage.

Timed dispense

Allows for unattended operation from 0 to 99.9 minutes when TIME DISP. set.

Full one year warranty



WaterPro® RO Systems

Ordering Information





- Type III-IV water
- Meet ASTM III water standard
- 1 L/min delivery rate
- 17 L internal storage tank with 8.7 L/min (gravity-fed) flowrate

Catalog Number Configurator Use this key to configure the seven digit catalog number.


9 0 7 5 0 0


Select the **ELECTRICAL CONFIGURATION** and **OUTLET TYPE** of your WaterPro RO unit. This is the sixth digit.


2 =  115V, 60 Hz, with 15A plug for North America

3 =  230V, 50 Hz, with Schuko plug

4 =  230V, 60 Hz, with plug for North America

6 =  230V, 50 Hz, with plug for Great Britain (UK)

7 =  230V, 50 Hz, with plug for China/Australia

8 =  230V, 50 Hz, with plug for India

All models require (not included):

- Prefilter/carbon Filter Kit 9067201. See page 15
- Reverse Osmosis Membrane 9078700. See page 15
- Feedwater specifications:
 - Temperature of 5-40° C (41-104° F)
 - pH between 4-10
 - Water pressure of 30-100 psi (2-7 bar)
 - Minimum inlet flow rate of 1.6 gal/min (6 L/min)
 - Maximum Silt Density Index of 5 SDI
 - Turbidity of ≤1 NTU
 - Negative Langelier Saturation Index (if positive, water softener pretreatment is required)
- Drain line capable of handling a minimum of 2 gal/min reject water flow

WaterPro® PS Polishing Systems

Features & Benefits



Continuous/intermittent recirculation

Polishing loop maintains water quality by minimizing bacteria growth and reducing rinse up time.

User-friendly controls

Button controls allow user to select and view water quality, temperature, resistivity or timed dispense on LED display.

Optional Dispensing Gun

May be operated with one hand and provides drop-by-drop control. Locks to provide continuous stream.

Built-in ultrafilter module

Ultrafilter is housed in the cabinet, freeing the fourth bowl for an additional deionization cartridge. Available on Life science and Hybrid models only.

Dispensing valve

Delivers a controlled stream of water. Optional Hollow Fiber Final Filter may be attached to remove bacteria at the dispensing point.

Polypropylene bowls

Unpigmented polypropylene bowls have no impurities to contaminate the water ensuring low TOC levels. Large capacity means fewer filter changes.

Durable construction

Front panel is corrosion-resistant 304 stainless steel.

Dual wavelength UV reactor

UV light with 185 and 254 nm ensures both low TOC levels and bacteria free water. Available on Life Science, Analytical and Hybrid models only.

In-line pressure regulator

Protects the system from excessive water pressure ensuring inlet water enters system at optimum pressure.

Water quality alert

LED flashes actual water quality in megohm-cm to alert user when water quality falls below set point.

Moisture sensor

Detects and signals if a leak has occurred. Closes inlet valve and shuts down pump if triggered.

TOC dump valve

Allows a small portion of purified water to drain during intermittent recirculation, maintaining ultra low TOC levels below 5 ppb and eliminating rinse up times. Available on Analytical and Hybrid models only.

Quiet operation

Directly coupled 1/4 hp motor and rotary vane recirculation pump provide quiet operation.

Timed dispense for unattended operation

Select TIME DISP. to set time of water delivery from 0 to 99.9 minutes.

UF flush valve

Maintains ultrafilter efficiency by allowing a small portion of purified water to rinse the ultrafilter during intermittent recirculation for one minute every four hours. Available on Life Science and Hybrid models only.

Full one year warranty



WaterPro® PS Polishing Systems

General Chemistry Models Ordering Information



- Type I water
- 1.8 L/min delivery rate
- 1.2 L/min (with optional Hollow Fiber Final Filter installed)

Catalog Number Configurator Use this key to configure the seven digit catalog number.

9 0 0 0 5

Select the **ELECTRICAL CONFIGURATION** and **OUTLET TYPE** of your WaterPro RO unit. This is the sixth digit.

- 2 = 115V, 60 Hz, with 15A plug for North America
- 3 = 230V, 50 Hz, with Schuko plug
- 4 = 230V, 60 Hz, with plug for North America
- 6 = 230V, 50 Hz, with plug for Great Britain (UK)
- 7 = 230V, 50 Hz, with plug for China/Australia
- 8 = 230V, 50 Hz, with plug for India

Select the **DISPENSE TYPE**. This is the seventh digit.

- 0 = Valve Dispense
- 1 = Gun Dispense

All models require (not included):

- General Chemistry Polishing Kit 9047101. See page 17
- Feedwater line with 3/8" OD rigid plastic tubing or 3/8" ID flexible tubing
- Feedwater specifications:
 - Purified feedwater via reverse osmosis, distillation or deionization with a conductivity of <math><100 \mu\text{S}</math> (tap feedwater not recommended)
 - Temperature of 10-30° C (50-86° F)
 - pH between 4-10
 - Water pressure of 0-100 psi (0-7 bar)
 - Minimum inlet flow rate of 0.5 gal/min (2 L/min)
- Drain line capable of handling a minimum of 2 gal/min reject water flow

WaterPro® PS Polishing Systems

HPLC Analytical Instrument Models Ordering Information



- Type I water
- Dual wavelength ultraviolet reactor
- 1.8 L/min delivery rate
- 1.2 L/min (with optional Hollow Fiber Final Filter installed)

Catalog Number Configurator Use this key to configure the seven digit catalog number.

9 0 0 0 6

Select the **ELECTRICAL CONFIGURATION** and **OUTLET TYPE** of your WaterPro RO unit. This is the sixth digit.

- 2 = 115V, 60 Hz, with 15A plug for North America
- 3 = 230V, 50 Hz, with Schuko plug
- 4 = 230V, 60 Hz, with plug for North America
- 6 = 230V, 50 Hz, with plug for Great Britain (UK)
- 7 = 230V, 50 Hz, with plug for China/Australia
- 8 = 230V, 50 Hz, with plug for India

Select the **DISPENSE TYPE**. This is the seventh digit.

- 0 = Valve Dispense
- 1 = Gun Dispense

All models require (not included):

- HPLC/Hybrid Polishing Kit 9047201. See page 17
- Feedwater line with 3/8" OD rigid plastic tubing or 3/8" ID flexible tubing
- Feedwater specifications:
 - Purified feedwater via reverse osmosis, distillation or deionization with a conductivity of <math><100 \mu\text{S}</math> (tap feedwater not recommended)
 - Temperature of 10-30° C (50-86° F)
 - pH between 4-10
 - Water pressure of 0-100 psi (0-7 bar)
 - Minimum inlet flow rate of 0.5 gal/min (2 L/min)
- Drain line capable of handling a minimum of 2 gal/min reject water flow

WaterPro® PS Polishing Systems

Ultra Filter (UF) Life Sciences Models Ordering Information



- Type I water
- Dual wavelength ultraviolet reactor
- 1.1 L/min delivery rate
- 1.0 L/min (with optional Hollow Fiber Final Filter installed)
- Built-in ultrafilter module

Catalog Number Configurator Use this key to configure the seven digit catalog number.

9 0 0 0 7

Select the **ELECTRICAL CONFIGURATION** and **OUTLET TYPE** of your WaterPro RO unit. This is the sixth digit.

- 2 = 115V, 60 Hz, with 15A plug for North America
- 3 = 230V, 50 Hz, with Schuko plug
- 4 = 230V, 60 Hz, with plug for North America
- 6 = 230V, 50 Hz, with plug for Great Britain (UK)
- 7 = 230V, 50 Hz, with plug for China/Australia
- 8 = 230V, 50 Hz, with plug for India

Select the **DISPENSE TYPE**. This is the seventh digit.

- 0 = Valve Dispense
- 1 = Gun Dispense

All models require (not included):

- General Chemistry Polishing Kit 9047101. See page 17
- Feedwater line with 3/8" OD rigid plastic tubing or 3/8" ID flexible tubing
- Feedwater specifications:
 - Purified feedwater via reverse osmosis, distillation or deionization with a conductivity of <math><100 \mu\text{S}</math> (tap feedwater not recommended)
 - Temperature of 10-30° C (50-86° F)
 - pH between 4-10
 - Water pressure of 0-100 psi (0-7 bar)
 - Minimum inlet flow rate of 0.5 gal/min (2 L/min)
- Drain line capable of handling a minimum of 2 gal/min reject water flow

WaterPro® PS Polishing Systems

HPLC/UF Hybrid Models Ordering Information




- Type I water
- Dual wavelength ultraviolet reactor
- 1.8 L/min delivery rate through valve, 1.1 L/min delivery rate through gun
- 1.1 L/min delivery rate through valve, 1.0 L/min through gun (with optional Hollow Fiber)
- Built-in ultrafilter module


Catalog Number Configurator Use this key to configure the seven digit catalog number.


9 0 0 0 7 2

Select the **ELECTRICAL CONFIGURATION** and **OUTLET TYPE** of your WaterPro RO unit. This is the sixth digit.


2 =  115V, 60 Hz, with 15A plug for North America

3 =  230V, 50 Hz, with Schuko plug

4 =  230V, 60 Hz, with plug for North America

6 =  230V, 50 Hz, with plug for Great Britain (UK)

7 =  230V, 50 Hz, with plug for China/Australia

8 =  230V, 50 Hz, with plug for India

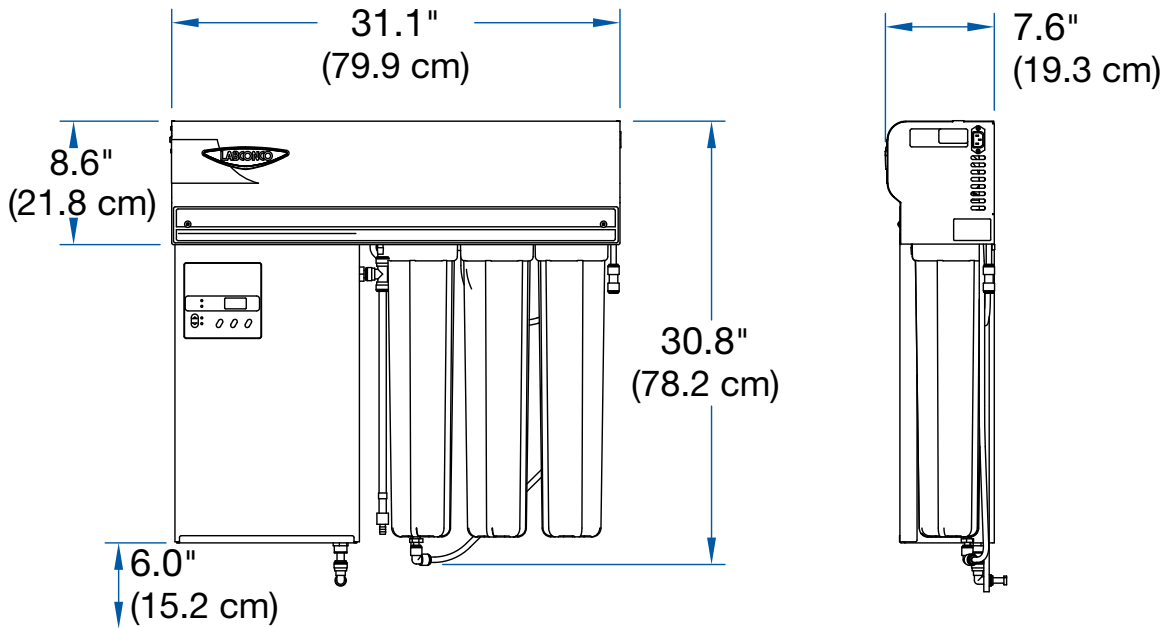
All models require (not included):

- HPLC/Hybrid Polishing Kit 9047201. See page 17
- Feedwater line with 3/8" OD rigid plastic tubing or 3/8" ID flexible tubing
- Feedwater specifications:
 - Purified feedwater via reverse osmosis, distillation or deionization with a conductivity of <100 µS (tap feedwater not recommended)
 - Temperature of 10-30° C (50-86° F)
 - pH between 4-10
 - Water pressure of 0-100 psi (0-7 bar)
 - Minimum inlet flow rate of 0.5 gal/min (2 L/min)
- Drain line capable of handling a minimum of 2 gal/min reject water flow

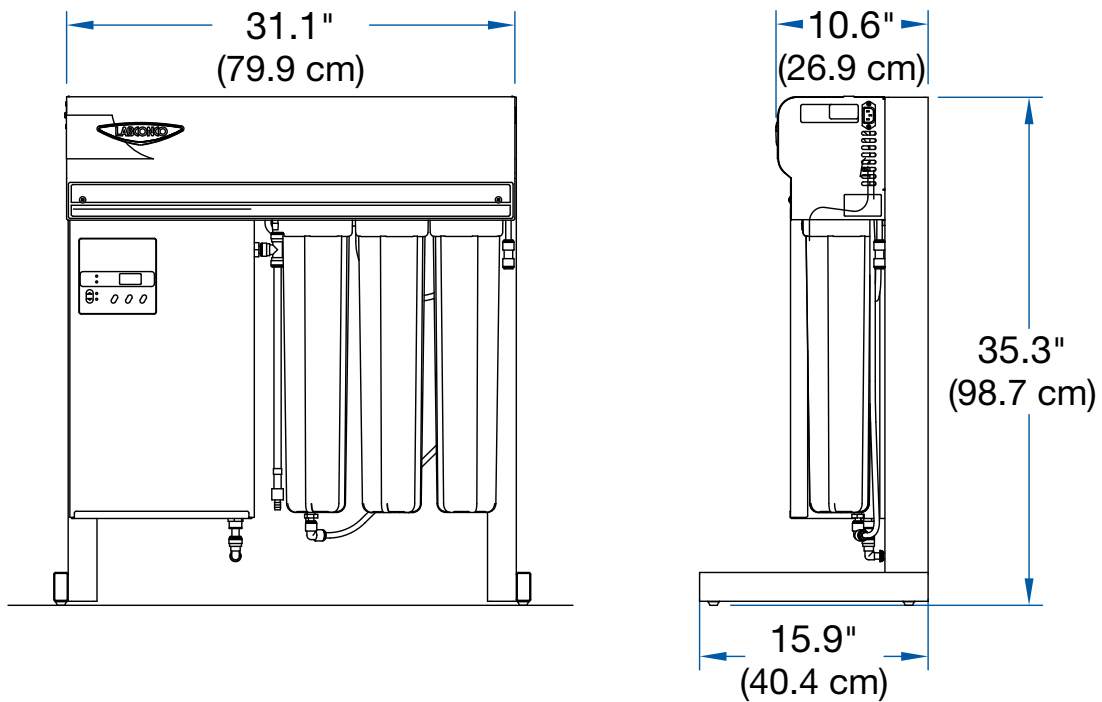
WaterPro® RO Systems

Dimensional Data

WaterPro RO System



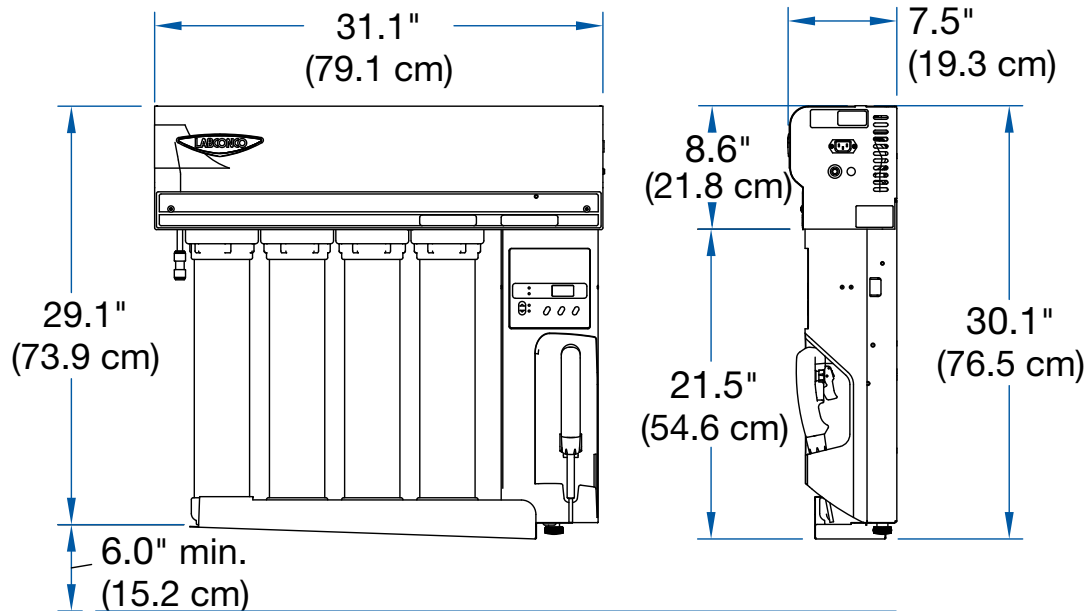
WaterPro RO System with Optional Support Stand



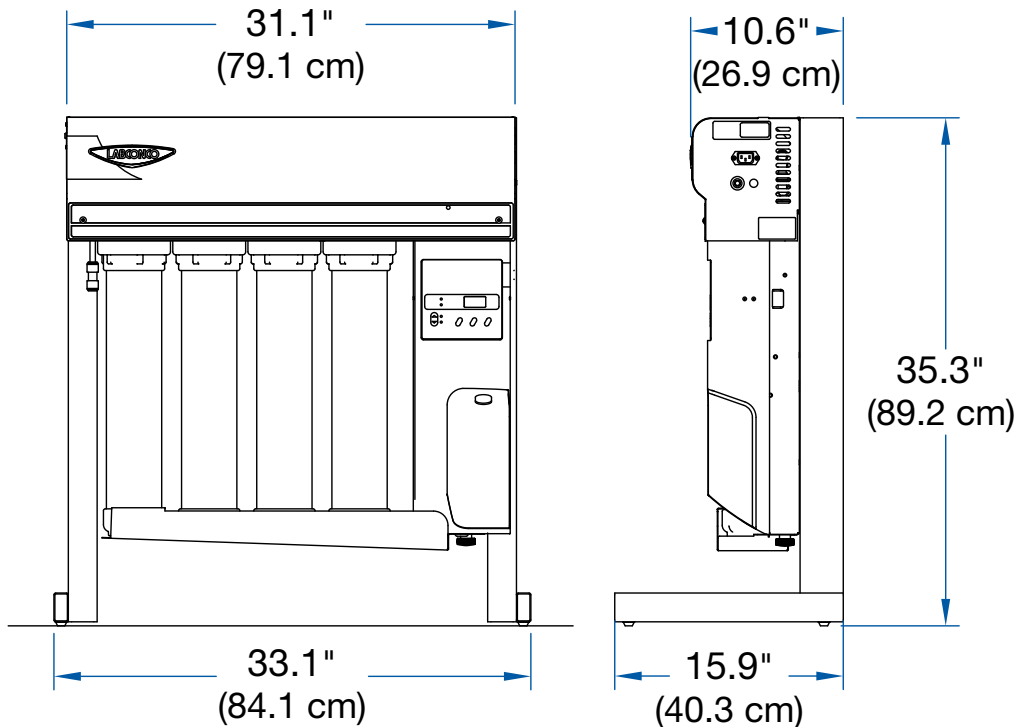
WaterPro® PS Polishing Systems

Dimensional Data

WaterPro PS Polishing System (shown with Dispensing Gun)



WaterPro PS Polishing System with Optional Support Stand (shown with Dispensing Valve)



Accessories

WaterPro RO Systems



9067201—Prefilter/Carbon Filter Kit. Required for operation. Includes three Prefilters and three Carbon Filters, for initial start-up and two filter changes. Shipping weight 10 lbs. (4.5 kg)



9078700—Reverse Osmosis Membrane. Required for operation. Shipping weight 6.0 lbs. (2.7 kg)



9113100—Dispensing Gun. Provides additional means to dispense water from WaterPro RO System. Trigger permits operation with one hand and provides precise drop-by-drop control, or locks to provide a continuous stream of water. Includes gun attached to 6' hose, powder-coated steel gun rest and mounting hardware. Shipping weight 5.0 lbs. (2.3 kg)



WaterPro® RO Bladder Tanks. Connect to the WaterPro RO System to provide additional storage capacity for RO-purified water and means to deliver it from two pressurized ports to destinations such as a polishing station and glassware washer. Tanks are connected to the permeate of the WaterPro RO and incorporate a pressurized bladder which, when empty, have an external pressure of 5 psi. As water from the WaterPro RO is forced into the bladder, it expands and the pressure inside the tank increases. At approximately 40 psi, the WaterPro RO System shuts off automatically. As the tank empties due to demand, the reduced system pressure triggers the WaterPro RO System to refill the tank. Actual capacity of the Bladder Tanks depends on the pressure of the empty tank and the shut off pressure of the WaterPro RO System. With the shut off pressure of the WaterPro RO System set at 40 psi, the actual capacity of the 20 Gallon Tank is approximately 12.8 gallons (48.7 L) and the 14 Gallon Tank is approximately 9 gallons (34.1 L). Each tank includes 1/2" diameter tubing, clamp and fittings to connect the tank to the WaterPro RO System and then to a Labconco glassware washer or WaterPro PS System.

9201000—Bladder Tank, 20 Gallons (75.7 L). Actual capacity amended due to pressures: 12.87 gal (48.7 L). Overall dimensions: 15.4" dia x 31.75" h. Shipping weight 38 lbs. (17 kg)

9201001—Bladder Tank, 14 Gallons (53 L). Actual capacity amended due to pressures: 9 gal (34.1 L). Overall dimensions: 15.4" dia x 22.2" h. Shipping weight 30 lbs. (14 kg)

Accessories

WaterPro RO & PS Polishing Systems



1306000—WaterPro RO/PS 125/130V, 10A Electrical Connection Cord. Three-wire cord with plug on both ends allows electrical connection between the left side of WaterPro RO System and the right side of WaterPro PS Polishing System. The cord and plug included with the WaterPro RO System then plugs into an electrical receptacle to supply power to both water systems. For use with either 115V, 60 Hz or 230V, 50 Hz WaterPro RO and PS models. Shipping weight 2.0 lbs. (0.9 kg)



9077400—Support Stand. For converting wall-mounted WaterPro RO Systems to bench-mounted. Rests on countertop or other horizontal surface. Constructed of glacier white powder-coated steel. Includes hardware to mount the WaterPro RO to the stand. Dimensions (with WaterPro RO System attached): 31.1" w x 16.1" d x 35.3" h (79.1 x 41.0 x 89.7 cm) Shipping weight 20 lbs. (9 kg)



9113200—WaterPro RO/PS Mobile Stand. Adds portability to your WaterPro RO or PS Polishing System. Constructed of glacier white powder-coated steel with 2" dia. hard rubber casters. Includes hardware to mount WaterPro RO and WaterPro PS back-to-back on the stand. If desired, a single WaterPro RO may be mounted on one side or two WaterPro RO Systems may be mounted back-to-back. Dimensions (with WaterPro RO System and WaterPro PS System attached): 31.1" w x 23.5" d x 43.5" h (79.1 x 59.1 x 110.5 cm). Shipping weight 40 lbs. (18 kg)

Accessories

WaterPro PS Polishing Systems



9047101—General Chemistry/UF Polishing Kit. Includes one Activated Carbon Cartridge and three polishing grade mixed bed Deionization Cartridges. **Required for models 9000520, 9000521, 9000530, 9000531, 9000540, 9000541, 9000560, 9000561, 9000570, 9000571, 9000580, 9000581, 9000720, 9000721, 9000730, 9000731, 9000740, 9000741, 9000760, 9000761, 9000770, 9000771, 9000780 and 9000781.** Shipping weight 9.5 lbs. (4.3 kg)



9047201—HPLC/Hybrid Polishing Kit. Includes one Activated Carbon Cartridge, two polishing grade mixed bed Deionization Cartridges and one Organic Adsorption Cartridge. **Required for models 9000620, 9000621, 9000630, 9000631, 9000640, 9000641, 9000660, 9000661, 9000670, 9000671, 9000680, 9000681, 9000722, 9000732, 9000742, 9000762, 9000772 and 9000782.** Shipping weight 9.5 lbs. (4.3 kg)



9007201—Activated Carbon Cartridge. Shipping weight 4.0 lbs. (1.8 kg)



9007301—Deionization Cartridge. Polishing grade mixed bed to deliver 18.2 megohm-cm quality water with TOC levels below 5 ppb. Shipping weight 4.0 lbs. (1.8 kg)



9053300—Organic Adsorption Cartridge. Shipping weight 4.0 lbs. (1.8 kg)



9104400—Replacement Ultrafilter. Spiral-wound, polysulfone membrane. Shipping weight 3.0 lbs. (1.4 kg)



9109200—Replacement UV Lamp. 185 and 254 nanometers. Labconco recommends annual UV lamp replacement. Shipping weight 0.5 lb. (0.2 kg)



9092900—Hollow Fiber Final Filter, self-venting. Optional filter attaches to the dispensing valve or gun. Removes all particulates and bacteria that are larger than 0.2 micron in diameter. Shipping weight 0.5 lb. (0.2 kg)

WaterPro® RO Systems

Specifications

All models feature:

Materials/Construction

- Three bowls of white polypropylene to accommodate one prefilter, one carbon filter and one reverse osmosis membrane (filters and membranes are sold separately). Spanner wrench is provided for filter changes
- Cabinet constructed of powder-coated steel with 304 stainless steel front panel. Hardware for wall mounting is provided
- 3/8" feedwater inlet and 3/8" drain port connections
- Drain lines from the flush valve and RO System are provided
- 8', 3-wire cord and plug

Performance

- 1/4 hp motor/rotary vane booster pump with thermal overload shut off
- Pre-filter screen
- Two internal pressure gauges with range from 0 to 160 psi
- RO membrane back pressure relief valve preset to 150 psi
- Dispensing valve with hose barb fitting of 3/8" ID tubing delivers up to 1 liter/minute of RO-purified water by pressing the DISPENSE switch or activating TIME DISP. If TIME DISP. is activated, water dispensing from the valve automatically shuts off when user-set time has elapsed
- Automatic flush valve, air vent filter and tank check valve
- 17 liter capacity storage tank constructed of polyethylene with housing of thermoplastic and powder-coated steel. Includes outlet port for 1/2" OD plastic tubing for connection to polishing system and/or glassware washer

Controls/User Interface

- Control panel includes ON/OFF switch; LED display; μ S, TEMP °C, TIME DISP. and TANK FULL indicator lights; DISPENSE switch for water delivery control from valve; MODE switch for selecting LED display; and increase/decrease switch for setting dispensing time from 0 to 99.9 minutes. Depending on mode selected, LED display shows actual water quality from 1 to 999 microseimens (μ S), actual water temperature in °C or dispense time in minutes

Standards conformance & regulations:

- UL Standard 61010-1 (115V, 60 Hz and 230V, 50/60 Hz for North America models)
- CAN/CSA C22.2 No. 61010-1 (115V, 60 Hz and 230V, 50/60 Hz for North America models)
- CE Conformity marking (230V, 50/60 Hz for international models)

Options include:

- Region-specific electrical plug configurations

All models require (not included):

- Prefilter/Carbon Filter Kit 9067201. See page 15
- Reverse Osmosis Membrane 9078700. See page 15
- Feedwater specifications:
 - Temperature of 5-40° C (41-104° F)
 - pH between 4-10
 - Water pressure of 30-100 psi (2-7 bar)
 - Minimum inlet flow rate of 1.6 gal/min (6 L/min)
 - Maximum Silt Density Index of 5 SDI
 - Turbidity of \leq 1 NTU
 - Negative Langelier Saturation Index (if positive, water softener pretreatment is required)
- Drain line capable of handling a minimum of 2 gal/min reject water flow

Optional accessories:

- Support Stand. See page 16
- Mobile Stand. See page 16

* Labconco exclusive feature



WaterPro® PS Polishing Systems

General Chemistry Model Specifications

All models feature:

Materials/Construction

- Four bowls, 20.25" (51.4 cm), of unpigmented virgin natural polypropylene to accommodate cartridges (Cartridges are not included. Polishing Kit sold separately). Spanner wrench is provided for filter changes
- Cabinet constructed of powder-coated steel with 304 stainless steel front panel and drip pan. Dispensing center constructed of pressure-formed thermoplastic. Hardware for wall mounting is provided
- 3/8" feedwater inlet and 3/8" drain port connections
- 8', 3-wire cord and plug

Performance

- Resistivity of up to 18.2 MΩ-cm at 25° C
- Bacteria of <1 cfu/ml (with Hollow Fiber Final Filter installed)
- TOC <10 ppb
- Non detectable silicate
- 1/4 hp motor/rotary vane recirculation pump with thermal overload shut off and water pressure regulator
- Continuous/intermittent recirculation. In the ON setting, the system continuously recirculates through the polishing loop. In the OFF setting, the system automatically starts and circulates water through the polishing loop for approximately 4 minutes every 2 hours to minimize rinse up time and bacteria growth
- Moisture sensor with water inlet valve shut off protection

Controls/User Interface

- Control panel includes ON/OFF switch; LED display; MEG Ω, TEMP ° C, TIME DISP. and SET PT. indicator lights; DISPENSE switch for water delivery control from valve; MODE switch for selecting LED display; and increase/decrease switch for setting dispensing time from 0 to 99.9 minutes or set point from 0 to 16 megohm-cm. Depending on mode selected, LED display shows actual water quality from megohm-cm, actual water temperature in ° C, or water quality set point in megohm-cm, and flashes when quality drops below set point

Dispensing valve models feature:

- Dispensing valve located on the dispensing center delivers Type I water by pressing the DISPENSE switch or activating TIME DISP.

Dispensing gun models feature:

- Dispensing gun that rests in the dispensing center and is attached to a 3' (91.4 cm) flexible recirculating line
- Gun delivers Type I water by depressing the trigger
- Dispensing valve located on the polishing system delivers Type I water by pressing the DISPENSE switch or activating Time DISP.

Standards conformance & regulations:

- UL Standard 61010-1 (115V, 60 Hz and 230V, 50/60 Hz for North America models)
- CAN/CSA C22.2 No. 61010-1 (115V, 60 Hz and 230V, 50/60 Hz for North America models)
- CE Conformity marking (230V, 50/60 Hz for international models)

Options include:

- Region-specific electrical plug configurations

All models require (not included):

- General Chemistry Polishing Kit 9047101. See page 17
- Feedwater specifications:
 - Purified feedwater via reverse osmosis, distillation or deionization with a conductivity of <100 μS (tap feedwater not recommended)
 - Temperature of 10-30° C (50-86° F)
 - pH between 4-10
 - Water pressure of 0-100 psi (0-7 bar)
 - Minimum inlet flow rate of 0.5 gal/min (2 L/min)
- Drain line capable of handling a minimum of 2 gal/min reject water flow

Optional accessories:

- Support Stand. See page 16
- Mobile Stand. See page 16

* Labconco exclusive feature



WaterPro® PS Polishing Systems

HPLC Analytical Instrument Model Specifications

All models feature:

Materials/Construction

- Four bowls, 20.25" (51.4 cm), of unpigmented virgin natural polypropylene to accommodate cartridges (Cartridges are not included. Polishing Kit sold separately). Spanner wrench is provided for filter changes
- Cabinet constructed of powder-coated steel with 304 stainless steel front panel and drip pan. Dispensing center constructed of pressure-formed thermoplastic. Hardware for wall mounting is provided
- 3/8" feedwater inlet and 3/8" drain port connections
- 8', 3-wire cord and plug

Performance

- Resistivity of up to 18.2 MΩ-cm at 25° C
- Bacteria of <1 cfu/ml (with Hollow Fiber Final Filter installed)
- TOC <5 ppb
- Non detectable silicate
- 1/4 hp motor/rotary vane recirculation pump with thermal overload shut off and water pressure regulator
- Continuous/intermittent recirculation. In the ON setting, the system continuously recirculates through the polishing loop. In the OFF setting, the system automatically starts and circulates water through the polishing loop for approximately 4 minutes every 2 hours to minimize rinse up time and bacteria growth
- TOC dump valve that operates during intermittent recirculation to maintain low TOC level
- Ultraviolet reactor lamp with dual wavelengths of 185 and 254 and indicator light
- Moisture sensor with water inlet valve shut off protection

Controls/User Interface

- Continuous/intermittent recirculation. In the ON setting, the system continuously recirculates through the polishing loop. In the OFF setting, the system automatically starts and circulates water through the polishing loop for approximately 4 minutes every 2 hours to minimize rinse up time and bacteria growth

Dispensing valve models feature:

- Dispensing valve located on the dispensing center delivers Type I water by pressing the DISPENSE switch or activating TIME DISP

Dispensing gun models feature:

- Dispensing gun that rests in the dispensing center and is attached to a 3' (91.4 cm) flexible recirculating line
- Gun delivers Type I water by depressing the trigger
- Dispensing valve located on the polishing system delivers Type I water by pressing the DISPENSE switch or activating Time DISP.

Standards conformance & regulations:

- UL Standard 61010-1 (115V, 60 Hz and 230V, 50/60 Hz for North America models)
- CAN/CSA C22.2 No. 61010-1 (115V, 60 Hz and 230V, 50/60 Hz for North America models)
- CE Conformity marking (230V, 50/60 Hz for international models)

Options include:

- Region-specific electrical plug configurations

All models require (not included):

- HPLC/Hybrid Polishing Kit 9047201. See page 17
- Feedwater specifications:
 - Purified feedwater via reverse osmosis, distillation or deionization with a conductivity of <100 µS (tap feedwater not recommended)
 - Temperature of 10-30° C (50-86° F)
 - pH between 4-10
 - Water pressure of 0-100 psi (0-7 bar)
 - Minimum inlet flow rate of 0.5 gal/min (2 L/min)
- Drain line capable of handling a minimum of 2 gal/min reject water flow

Optional accessories:

- Support Stand. See page 16
- Mobile Stand. See page 16

* Labconco exclusive feature



WaterPro® PS Polishing Systems

Ultra Filter/Life Science Model Specifications

All models feature:

Materials/Construction

- Four bowls, 20.25" (51.4 cm), of unpigmented virgin natural polypropylene to accommodate cartridges (Cartridges are not included. Polishing Kit sold separately). Spanner wrench is provided for filter changes
- Cabinet constructed of powder-coated steel with 304 stainless steel front panel and drip pan. Dispensing center constructed of pressure-formed thermoplastic. Hardware for wall mounting is provided
- 3/8" feedwater inlet and 3/8" drain port connections
- 8', 3-wire cord and plug

Performance

- Resistivity of up to 18.2 MΩ-cm at 25° C
- Bacteria of <1 cfu/100 ml (with Hollow Fiber Final Filter installed)
- TOC <10 ppb
- Non detectable silicate
- 1/4 hp motor/rotary vane recirculation pump with thermal overload shut off and water pressure regulator
- Continuous/intermittent recirculation. In the ON setting, the system continuously recirculates through the polishing loop. In the OFF setting, the system automatically starts and circulates water through the polishing loop for approximately 4 minutes every 2 hours to minimize rinse up time and bacteria growth
- Ultraviolet reactor lamp with dual wavelengths of 185 and 254 and indicator light
- Moisture sensor with water inlet valve shut off protection

Controls/User Interface

- Continuous/intermittent recirculation. In the ON setting, the system continuously recirculates through the polishing loop. In the OFF setting, the system automatically starts and circulates water through the polishing loop for approximately 4 minutes every 2 hours to minimize rinse up time and bacteria growth

Dispensing valve models feature:

- Dispensing valve located on the dispensing center delivers Type I water by pressing the DISPENSE switch or activating TIME DISP

Dispensing gun models feature:

- Dispensing gun that rests in the dispensing center and is attached to a 3' (91.4 cm) flexible recirculating line
- Gun delivers Type I water by depressing the trigger
- Dispensing valve located on the polishing system delivers Type I water by pressing the DISPENSE switch or activating Time DISP.

Standards conformance & regulations:

- UL Standard 61010-1 (115V, 60 Hz and 230V, 50/60 Hz for North America models)
- CAN/CSA C22.2 No. 61010-1 (115V, 60 Hz and 230V, 50/60 Hz for North America models)
- CE Conformity marking (230V, 50/60 Hz for international models)

Options include:

- Region-specific electrical plug configurations

All models require (not included):

- General Chemistry Polishing Kit 9047101. See page 17
- Feedwater specifications:
 - Purified feedwater via reverse osmosis, distillation or deionization with a conductivity of <100 µS (tap feedwater not recommended)
 - Temperature of 10-30° C (50-86° F)
 - pH between 4-10
 - Water pressure of 0-100 psi (0-7 bar)
 - Minimum inlet flow rate of 0.5 gal/min (2 L/min)
- Drain line capable of handling a minimum of 2 gal/min reject water flow

Optional accessories:

- Support Stand. See page 16
- Mobile Stand. See page 16

* Labconco exclusive feature



WaterPro® PS Polishing Systems

HPLC/Ultra Filter Model Specifications

All models feature:

Materials/Construction

- Four bowls, 20.25" (51.4 cm), of unpigmented virgin natural polypropylene to accommodate cartridges (Cartridges are not included. Polishing Kit sold separately). Spanner wrench is provided for filter changes
- Cabinet constructed of powder-coated steel with 304 stainless steel front panel and drip pan. Dispensing center constructed of pressure-formed thermoplastic. Hardware for wall mounting is provided
- 3/8" feedwater inlet and 3/8" drain port connections
- 8', 3-wire cord and plug

Performance

- Resistivity of up to 18.2 MΩ-cm at 25° C
- Bacteria of <1 cfu/100 ml (with Hollow Fiber Final Filter installed)
- TOC <5 ppb
- Non detectable silicate
- Pyrogen-free to 0.06 eu/ml (typical 3x log reduction)
- 1/4 hp motor/rotary vane recirculation pump with thermal overload shut off and water pressure regulator
- Continuous/intermittent recirculation. In the ON setting, the system continuously recirculates through the polishing loop. In the OFF setting, the system automatically starts and circulates water through the polishing loop for approximately 4 minutes every 2 hours to minimize rinse up time and bacteria growth
- Ultrafilter and flush valve are included. Valve operates during intermittent recirculation to maintain ultrafilter efficiency
- Ultraviolet reactor lamp with dual wavelengths of 185 and 254 and indicator light
- TOC dump valve that operates during intermittent recirculation to maintain low TOC level
- Moisture sensor with water inlet valve shut off protection
- Dispensing valve located on the dispensing center delivers Type I water
- Dispensing gun that rests in the dispensing center and is attached to a 3' (91.4 cm) flexible recirculating line and delivers Type I by depressing the trigger

Controls/User Interface

- Continuous/intermittent recirculation. In the ON setting, the system continuously recirculates through the polishing loop. In the OFF setting, the system automatically starts and circulates water through the polishing loop for approximately 4 minutes every 2 hours to minimize rinse up time and bacteria growth

Dispensing valve models feature:

- Dispensing valve located on the dispensing center delivers Type I water by pressing the DISPENSE switch or activating TIME DISP

Dispensing gun models feature:

- Dispensing gun that rests in the dispensing center and is attached to a 3' (91.4 cm) flexible recirculating line
- Gun delivers Type I water by depressing the trigger
- Dispensing valve located on the polishing system delivers Type I water by pressing the DISPENSE switch or activating Time DISP.

Standards conformance & regulations:

- UL Standard 61010-1 (115V, 60 Hz and 230V, 50/60 Hz for North America models)
- CAN/CSA C22.2 No. 61010-1 (115V, 60 Hz and 230V, 50/60 Hz for North America models)
- CE Conformity marking (230V, 50/60 Hz for international models)

Options include:

- Region-specific electrical plug configurations

All models require (not included):

- HPLC/Hybrid Polishing Kit 9047201.. See page 17
- Feedwater specifications:
 - Purified feedwater via reverse osmosis, distillation or deionization with a conductivity of <100 µS (tap feedwater not recommended)
 - Temperature of 10-30° C (50-86° F)
 - pH between 4-10
 - Water pressure of 0-100 psi (0-7 bar)
 - Minimum inlet flow rate of 0.5 gal/min (2 L/min)
- Drain line capable of handling a minimum of 2 gal/min reject water flow

Optional accessories:

- Support Stand. See page 16
- Mobile Stand. See page 16

* Labconco exclusive feature



Everything you need to succeed.

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