

Diamond™ Reverse Osmosis Systems

- ▶ Space-saving design lets you mount RO system on the wall or the benchtop
- ▶ Complete system includes everything you need—operation is easy and fully automatic
- ▶ Membrane protection system prevents scale build up

New

These systems purify water for general laboratory use or as a feed source for ultrapur systems such as the EASYpure® and NANOpure® Diamond. The 12 and 24 L/hr models use a diaphragm pump for quiet, efficient operation; the 5 L/hr model must be connected to an in-house line pressure.

The built-in membrane protection system (MPS) extends the life of the membrane. It includes a special cartridge that softens the water and an automatic flush that removes scale build-up on the membrane.

The control panel operates and monitors the main functions. The nine LEDs monitor the status of a function (operation, standby, flush), or warn you of a problem (low membrane pressure, low product purity, replace membrane, replace carbon filter, and liquid level in the storage reservoir).

Order the optional storage reservoir to ensure you have water available when you need it. The 30-liter reservoir operates automatically with all three systems; level switches prevent operation if there is not enough water in the reservoir. A vent cover protects it from airborne contaminants. Wall mounting brackets are included. The optional remote control panel allows you to mount the controls up to ten feet away from the system. To order the optional equipment, see "Accessories" at right.



**Reverse osmosis system
99279-00**



**Reservoir
99279-50**

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Specifications & Ordering Information

Silt density index: <5%	Inlet water temperature: 34 to 95°F (1 to 35°C)
Turbidity: <1.0 NTU	Inlet connection: 3/8" OD tubing (supplied)
Total iron as Fe: <0.5 ppm	Power: 100/240 VAC, 50/60 Hz
pH Optimum range: 6.5 to 7.5 pH Operating range: 4 to 11 pH	Dimensions: 13 1/2"W x 19 1/2"H x 16 7/8"D
Inlet pressure: 30 to 100 psig at 1.5 L/min	

Catalog number	Max flow rate	What's included	Shpg wt lb (kg)	Price
A-99279-00	5 L/hr	Prefilter, MPS cartridge, extruded carbon filter, one membrane	43 (19.6)	
A-99279-10	12 L/hr	Pump, prefilter, MPS cartridge, extruded carbon filter, one membrane	45 (20.5)	
A-99279-20	24 L/hr	Pump, prefilter, MPS cartridge, extruded carbon filter, two membranes	48 (21.8)	

More info
Also see our "Tubing" section on pages 1910-1942

Accessories

- A-99279-50** Reservoir, 30 L. Shpg wt 20 lb (9.1 kg)
- A-99279-54** Bench mounting stand for reservoir. Shpg wt 7 lb (3.2 kg)
- A-99279-52** Remote control panel. Shpg wt 3 lb (1.4 kg)
- A-99279-56** Valve for hot and cold water in RO systems. Shpg wt 3 lb (1.4 kg)
- A-99279-58** Replacement prefilter, 5 µ. Shpg wt 5 lb (2.3 kg)
- A-99279-60** Replacement MPS cartridge for membrane protection system. Shpg wt 5 lb (2.3 kg)
- A-99279-62** Replacement carbon filter. Shpg wt 5 lb (2.3 kg)
- A-99279-64** Replacement membrane. Shpg wt 5 lb (2.3 kg)

High-Purity Water

- A-05942-30** Water. HPLC grade, ACS reagent grade. 1 L in glass container. For ultraviolet spectrophotometry and liquid chromatography
- A-05942-32** Water. HPLC grade, ACS reagent grade. 4 L in glass container. For ultraviolet spectrophotometry and liquid chromatography
- A-05942-34** Water. ACS reagent grade, deionized, distilled. 1 L in glass container. Meets specifications for ASTM type II water
- A-05942-36** Water. ACS reagent grade, deionized, distilled. 4 L in glass container. Meets specifications for ASTM type II water
- A-05942-38** Water. USP purified, EP purified. Deionized, nonsterile. 4 L in plastic container