Water purification

systems



Water purification systems, Type 1 and Type 2, Thermo Scientific Barnstead®, Smart2Pure™





Molecular biology and microbiology: cell and tissue culture, PCR*, DNA sequencing and electrophoresis. **Analytical chemistry:** HPLC, GC, GC-MS, ICP-MS, AA, TOC measurements and IC.

Routine laboratory work: preparing and diluting buffers and reagents, rinsing lab glassware, and supplying autoclaves and other small lab equipment.

 Smart2Pure™ is a compact complete system that produces 3L, 6L or 12L of ultrapure water per hour

The Smart2Pure™ system is a compact system which converts tap water into both ASTM Type 1 and Type 2 water. The Smart2Pure™ 3 and 6 feature a built in 6L reservoir to store the Type 2 water. The Smart2Pure™ 12 offers the choice of a 30L or 60L reservoir for customisable storage capacity.

Powerful performance

 Based on your requirements, choose from capacities of 3L/hr, 6L/hr or 12L/hr

Lasting economy

- Water purification progresses through independent cartridges with Aquastop quick connects for fast replacement
- Module 1: combination of pretreatment and the reverse osmosis membrane
- Module 2: polishing cartridge contains high quality ultrapure resin for consistent purity and long cartridge life

Easy to operate

- Dispensing is easy and features variable speed to control flow
- The display can be tilted for optimal reading
- Optional UV bulb and UF ultrafilter to customise ultrapure water

Placement options

- · Position on laboratory bench
- Mount it on the wall

Smart integrated 6L reservoir for the Smart2Pure™ 3 and 6

- · Constructed with pigment free materials
- Conical bottom outlet allows for complete draining and efficient cleaning and disinfection

Smart2Pure™ 12 offers reservoir options, either 30L or 60L

- Large opening for easy and effective cleaning by hand
- Sterile venting filter and reservoir overflow protect against contamination by microorganisms
- Optional CO₂ absorber prevents TOC value increases from drawn in CO₂
- Polyethylene reservoir is opaque to light
- Recirculation pump protects the high purity water from bacterial growth during standstills and maintains the low conductivity value
- Wall mount optional for simple space savings
- Conical bottom outlet allows for complete draining and efficient cleaning and disinfection

Technical Specification - Specific

	13012963	13213439	13032963	13227449
Alt. No	50129869	50129872	50129870	50129688
Rate	Permeate performance: 3L/hr (at 15°C)	Permeate performance: 3L/hr (at 15°C)	Permeate performance: 3L/hr (at 15°C)	Permeate performance: 3L/hr (at 15°C)
Flow rate, L/min	1	0.6	1	0.6
Total organic carbon	Type 1: 5ppb to 10ppb	Type 1: 1ppb to 5ppb	Type 1: 5ppb to 10ppb	Type 1: 1ppb to 5ppb
Endotoxin	-	Type 1: 0.005EU/mL	-	Type 1: 0.005EU/mL
	13052963	13217449	13072963	13237449
Alt. No	50129873	50129885	50129874	50129887
Rate	Permeate performance: 6L/hr (at 15°C)	Permeate performance: 6L/hr (at 15°C)	Permeate performance: 6L/hr (at 15°C)	Permeate performance: 6L/hr (at 15°C)
Flow rate, L/min	1	0.6	1	0.6
Total organic carbon	Type 1: 5ppb to 10ppb	Type 1: 1ppb to 5ppb	Type 1: 5ppb to 10ppb	Type 1: 1ppb to 5ppb
Endotoxin	-	Type 1: 0.005EU/mL	-	Type 1: 0.005EU/mL
	13092963	13378840	13012973	13022973
Alt. No	50129888	50129890	50129889	50129845
Rate	Permeate performance: 12L/hr (at 15°C)	Permeate performance: 12L/hr (at 15°C)	Permeate performance: 12L/hr (at 15°C)	Permeate performance: 12L/hr (at 15°C)
Flow rate, L/min	1	1	0.6	0.6
Total organic carbon	Type 1: 5ppb to 10ppb	Type 1: 1ppb to 5ppb	Type 1: 5ppb to 10ppb	Type 1: 1ppb to 5ppb
Endotoxin	-	Type 1: 0.005EU/mL	-	Type 1: 0.005EU/mL