

# Water purification systems



## Water purification systems, Type 2, Thermo Scientific Barnstead®, Pacific™ TII



**Thermo**  
SCIENTIFIC

Ideal for routine laboratory work: rinsing lab glassware, supplying autoclaves and ultrapure water systems, preparing and diluting buffers, reagents and media.

- Pacific™ TII converts tap water into 15MΩ-cm to 10MΩ-cm high purity water

The Pacific™ TII water purification system converts tap water into high purity water. The ultimate system for the automatic and economical production of type 2 water, the Pacific™ TII system supports daily requirements from 20L to 200L.

### Multiple options for type 2 water

- Five system options with permeate flows of 3L/hr, 7L/hr, 12L/hr, 20L/hr, or 40L/hr
- Future system upgrades accommodate greater capacities to meet growing water demands
- Space saving design permits bench top installation or wall mounting with integrated mounting bracket

### Operational reliability

- Microprocessor controlled for automatic operation with continuous monitoring of all critical parameters
- Automatic return to “operating” mode ensures recirculation during standstill periods
- Optional UV lamp prevents biological contamination

### Easy to operate

- Resistivity/conductivity clearly displayed on large back lit control panel that tilts for optimum viewing
- Status of current operating mode clearly indicated (production/stand by/cleaning)
- Reservoir fill level shown as %
- System parameters are code protected to prevent accidental changes to set points

### GLP Compliant documentation

- A printer can be connected to the RS-232 port for data recording and traceability
- Cell constant of 0.01cm<sup>-1</sup> ensures precise conductivity measurements
- Temperature compensation for the conductivity measurement has an accuracy of ±0.1°C (in conformity with USP 645)

### Technical Specification - General

Operating pressure	2bar to 6bar
Conductivity	0.067μS/cm to 0.1μS/cm
Resistance	15MΩ-cm to 10MΩ-cm (at 25°C)
Total organic carbon	<30ppb
Bacteria	Retention: 99%
Silica	Removal: >99%
Electrical supply	90-240V, 50Hz, 80W
Connections	Water feed: 3/4 inch (19.05mm) radius
Dimensions [w x d x h], mm	372 x 330 x 613
Mass, kg	25
Temperature range, °C	2 to 35

Catalogue No	Legacy No	Alt. No	Description	Rate
13012983	-	50132121	Pacific™ TII 3	Permeate performance: 3L/hr (at 15°C)
13062983	-	50132129	Pacific™ TII 3 with UV light (254nm)	Permeate performance: 3L/hr (at 15°C)
13022983	-	50132123	Pacific™ TII 7	Permeate performance: 7L/hr (at 15°C)
13072983	-	50132131	Pacific™ TII 7 with UV light (254nm)	Permeate performance: 7L/hr (at 15°C)
13032983	-	50132124	Pacific™ TII 12	Permeate performance: 12L/hr (at 15°C)
13082983	-	50132132	Pacific™ TII 12 with UV light (254nm)	Permeate performance: 12L/hr (at 15°C)
13042983	-	50132125	Pacific™ TII 20	Permeate performance: 20L/hr (at 15°C)
13092983	-	50131982	Pacific™ TII 20 with UV light (254nm)	Permeate performance: 20L/hr (at 15°C)
13052983	-	50132127	Pacific™ TII 40	Permeate performance: 40L/hr (at 15°C)
13002993	-	50132133	Pacific™ TII 40 with UV light (254nm)	Permeate performance: 40L/hr (at 15°C)