



Water purification systems, Purity TU



Purity TU 3, 6 and 12 systems produce up to 100 litres/day of Type I ultrapure water from tap water, as well as Type II water available from the tank

For converting potable tap water to ultrapure water of ASTM Types I and II.

Water purification progresses through independent cartridges with Aquastop quick-connect 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

- Dispensing is easy and features variable speed to control flow
- The display can be tilted for optimal reading
- Placement options: Can be placed on a laboratory bench or mounted on the wall
- Deionisation cartridges are easy to change without depressurising the system
- Easy to maintain
- Large opening for easy and effective cleaning by hand
- Sterile venting filter/reservoir overflow protects against contamination by microorganisms

Delivery information: Purity TU 3,6, and 12 systems include a RO/pretreatment cartridge, DI cartridge pack, 0,2 µm final filter, pressure reducer, feed water monitoring, UV bulb (for UV systems only) and ultrafilter (for UF systems only). The 3 and 6 litres/hr systems also include an internal 6 l tank with vent filter. The TU 12 requires an external tank. Please contact your local VWR sales office to discuss your requirements before making your selection as different areas of the country may require additional pretreatment option.

Model	Purity TU 3	Purity TU 3 UV	Purity TU 3 UV/UF	Purity TU 6	Purity TU 6 UV	Purity TU 6 UV/UF	Purity TU 12	Purity TU 12 UV	Purity TU 12 UV/UF
Feed water	Potable (tap) water acc. to DIN 2000								
Flow rate (l/min)	max. 1,0*								
Conductivity (µS/cm)	0,055 (ASTM II: 0,067 – 0,1)*								
Max. operating pressure (bar)	1 - 6								
TOC content	5 - 10 ppb* 1 - 5 ppb with UV lamp*								
Resistivity at +25 °C	18,2 MΩ.cm								
Bacteria	<1 (CFU/ml)*								
Particles	<1 (0,2 µm/ml)*								
Endotoxins			<0,001 EU/ml			<0,001 EU/ml			<0,001 EU/ml
RNases	-		<0,003 ng/ml	-		<0,003 ng/ml	-		<0,003 ng/ml
DNases			<0,4 pg/µl			<0,4 pg/µl			<0,4 pg/µl
Power consumption (kW)	0,06								
WxDxH (mm)	330x370x615								
Weight (kg)	22								

Description	Pk	Cat. No.
Water purification system, Purity TU 3 Basic	1	171-1134
Water purification system, Purity TU 3 UV with UV lamp	1	171-1135
Water purification system, Purity TU 3 UV/UF with UV lamp and ultrafilter	1	171-1136
Water purification system, Purity TU 6 Basic	1	171-1137
Water purification system, Purity TU 6 UV with UV lamp	1	171-1138
Water purification system, Purity TU 6 UV/UF with UV lamp and ultrafilter	1	171-1139
Water purification system, Purity TU 12 Basic	1	171-1162
Water purification system, Purity TU 12 UV with UV lamp	1	171-1163
Water purification system, Purity TU 12 UV/UF with UV lamp and ultrafilter	1	171-1164

Description	Pk	Cat. No.
Cartridges		
Polisher cartridge	1	171-1141
Pretreatment + RO cartridges for Purity TU 3	1	171-1142
Pretreatment + RO cartridges for Purity TU 6	1	171-1143
Disinfection agent, MICRO-Chlor (pack of 12 cans)	12	171-1123
Pretreatment + RO cartridges for Purity TU 12	1	171-1165
Accessories		
System wall mount bracket for PU and TU models	1	171-1125
Accessory dispenser kit for dispensing type II water	1	171-1181
Sterile vent filter external storage tank 30-100 litres	1	171-1166
Venting filter 0,2 µm for internal tank	1	171-1144
Printer	1	171-1160
Sterile filter 0,2 µm	1	171-1105
Ultrafilter for UV/UF models	1	171-1106
Replacement UV lamp for UV & UV/UF models	1	171-1108

* Type I