



TECHNICAL SPECIFICATION

REVERSE OSMOSIS WATER



The **PURO™ III** water system produces high-quality water with low energy consumption through the use of innovative low energy RO technology. By using a specially designed recirculation system, the RO membranes are guaranteed a long service life.

Manufactured to ISO 9001:2015 standard. Certified to IEC 61010-1:2010 and EN 61326-21:2013

FEATURES & BENEFITS

KEY FEATURES

- Up to 85 L/hr with a compact footprint
- RO sanitisation process
- Quiet operation provided by unique dampening technology
- One easy-change pre-filter
- Mount on bench, wall or on top of a reservoir
- Intuitive, icon-based, interactive user interface with touch screen
- Internal leak detector and boost pump
- Choice of storage reservoir size - 30 L, 60 L or 100 L

PRODUCT WATER QUALITY

MODEL	MAKE-UP FLOW RATE (@15 °C / 59 °F)	INORGANICS REJECTION RATE**	WATER QUALITY	RECOMMENDED DAILY USAGE
PURO III 20	≥ 25 L/hr	≥ 98 %	< 40 µS/cm	160 L/day
PURO III 40	≥ 45 L/hr	≥ 98 %	< 40 µS/cm	320 L/day
PURO III 80	≥ 85 L/hr	≥ 98 %	< 40 µS/cm	640 L/day

** Depending on
feedwater impurities

SYSTEM REQUIREMENTS

FEED WATER

Pressure (PURO III 20 & PURO III 40)	Bar / PSI	0.1 - 6 / 1.45 - 87
Pressure (PURO III 80)	Bar / PSI	2 - 6 / 29 - 87
Conductivity	µS/cm	< 1400
Temperature	°C / °F	4 - 30 / 39.2 - 86
Hardness as CaCO₃	ppm	< 400
Free Chlorine	ppm	< 2
Colloid Index	SDI	< 3
pH Value	-	4 - 10
Iron (Total Fe)	ppm	< 0.1

UNIT SPECIFICATIONS

ALL MODELS

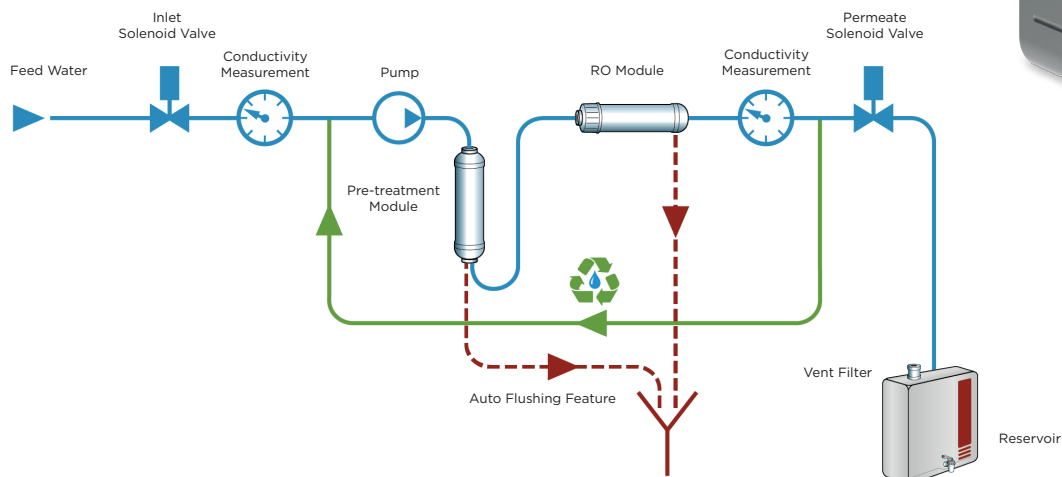
Dimensions (HxWxD)	500 x 490 x 290 mm / 19.7 " x 19.3 " x 11.5 "
Installed Weight	23 kg / 50.7 lbs
Power Supply	100 - 240 V ~ ; 50/60 Hz; 3.0 A (max)
Power Supply Output	24 VDC, 5.0 A, 120 W (max)
Operating Temperature	4 °C - 35 °C (max) / 39.2 °F - 95 °F (max)
Storage Temperature	4 °C - 35 °C (max) / 39.2 °F - 95 °F (max)



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FLOWCHART



UTILITIES & SERVICES

REQUIREMENTS

Water Supply	Isolated cold-water feed
Drain Type	Sink/Tundish/Standard up-stand with suitable trap
Drain Flow	> 3 L/min

TYPE 3 WATER

APPLICATIONS

Autoclave feed
Glasswasher feed
Feed to Ultrapure Water Systems
Hydroponics
Steam Generators

CONSUMABLES & ACCESSORIES

PART NUMBER	DESCRIPTION	TYPICAL ANNUAL REQUIREMENT
TC001	Pre-treatment Module	2*
TC005	Tank Vent Filter	1
TANK30	30 Litre Tank	-
TANK60	60 Litre Tank	-
TANK100	100 Litre Tank	-
TANK100P-1	100 Litre Tank with Pump - 230 V	-
TANK100P-2	100 Litre Tank with Pump - 110 V	-
AV003	Distribution Pump Kit	-
AV004	Valve Kit for Washing Machine Feed (Single POU)	-
AV006	Wall Mounting Kit	-
AV007	External Pre-filter Housing Kit (Excludes Filter)	-
AV008	Wall Mounting Kit (TANK30)	-
AV009	Wall Mounting Kit (TANK60)	-
AV012	UV Upgrade Kit (TANK30/TANK60/TANK100)	-
AV014	Level Sensor Kit (Custom)	-
AV016	Valve Kit for Washing Machine Feed (Double POU)	-
AV034	RO Sanitising Kit for Duo™ II.I, Geno™ II and Puro™ III	-
AV037	IQOQ Documentation for Puro™ III	-

* Depending on Feed water quality and usage

