

Puro™-i III

TECHNICAL SPECIFICATION

REVERSE OSMOSIS WATER



The PURO™-i III is fully integrated to produce up to 30 L/hr of Type 3 water. Dispenses Type 3 pure water at up to 2 L/min from a flexible dispenser or at more than 2 L/min directly from the reservoir.

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

FEATURES & BENEFITS

KEY FEATURES

- Unique twin pass RO technology (< 10 µS/cm, typical < 5 µS/cm if feed condition is < 2000 µS/cm)
- Auto RO sanitisation
- Interactive 7" touch screen
- Remote dispensing option for Type 3 water
- Auto reservoir sanitisation option
- Flexible pretreatment options for variable feedwater quality

PRODUCT WATER QUALITY

MODEL	MAKE-UP FLOW RATE (@15 °C / 59 °F)	WATER QUALITY	INORGANICS REJECTION RATE	BACTERIA*	PARTICLES (> 0.2 µm)*	DISPENSE FLOW RATE
PURO-i III 5	5 L/hr	< 40 µS/cm	≥ 99%	< 0.01 CFU/ml	< 1/ml	≥ 2 L/min
PURO-i III 10	10 L/hr	< 40 µS/cm	≥ 99%	< 0.01 CFU/ml	< 1/ml	≥ 2 L/min
PURO-i III 20	20 L/hr	< 40 µS/cm	≥ 99%	< 0.01 CFU/ml	< 1/ml	≥ 2 L/min
PURO-i III 30	30 L/hr	< 40 µS/cm	≥ 99%	< 0.01 CFU/ml	< 1/ml	≥ 2 L/min

* With LWFS32302 final filter

SYSTEM REQUIREMENTS

FEED WATER		
Pressure	Bar / PSI	0.5 - 6 / 7.25 - 87
Conductivity	µS/cm	< 2000 @ 25 °C
Temperature	°C / °F	5 - 40 / 41 - 104
Free Chlorine	ppm	< 3
Colloid Index	SDI	< 12
pH Value	-	4 - 10

UNIT SPECIFICATIONS

ALL MODELS	
Dimensions (System - HxWxD)	575 x 366 x 492 mm / 22.6 " x 14.4 " x 19.4 "
Dimensions (Reservoir - HxWxD)	1200/900/600 x 390 x 384 mm / 47.3/35.4/23.6 " x 15.4 " x 15.1 "
Dimensions (Pre-treatment - HxWxD)	463 x 220 x 380 mm / 18.2 " x 8.6 " x 14.9 "
Dimensions (Dispensing Station - HxWxD)	845 x 280 x 300 mm / 33.3 " x 11 " x 11.8 "
Installed Weight	23 kg / 50.7 lbs
Power Supply	100 - 240 V - ; 50/60 Hz; 3.0 A (max)
Power Supply Output (Main Unit)	200 VA
Power Supply Output (Pre-treatment)	75 VA



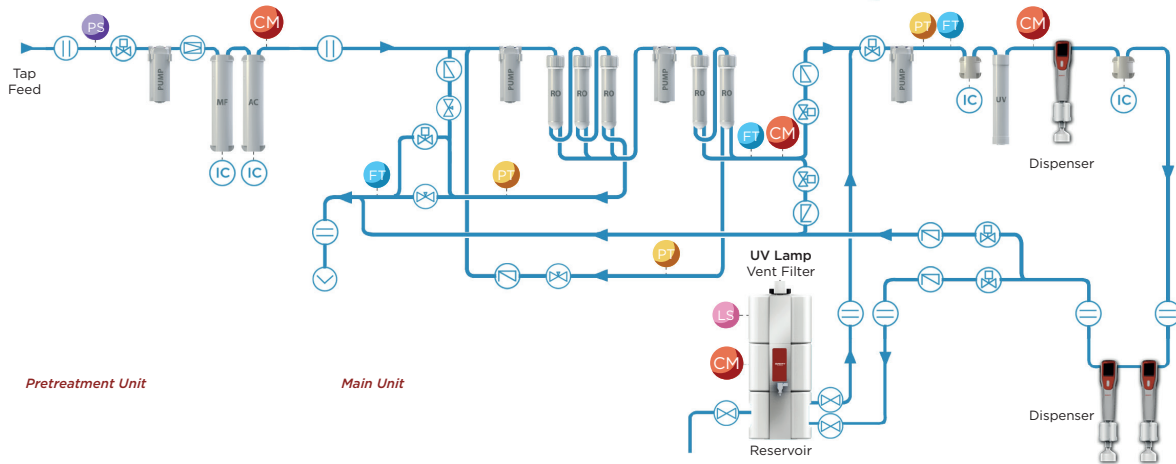
Puro-i™ III

TECHNICAL SPECIFICATION

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FLOWCHART



- PS Pressure switch
- FT Flow transmitter
- LS Level sensor
- Solenoid valve
- IC Intelligent chip
- Decompression valve
- Drain
- CM Conductivity transmitter
- PT Pressure transmitter
- Hand valve
- Check valve
- Restrictor valve
- Connector

ORDERING GUIDE

PART NUMBER	DESCRIPTION
LWFS71405	PURO-i III system 5 L/hr
LWFS71405R	PURO-i III system 5 L/hr with Reservoir conductivity
LWFS71405L	PURO-i III system 5 L/hr with Loop
LWFS71410	PURO-i III system 10 L/hr
LWFS71410R	PURO-i III system 10 L/hr with Reservoir conductivity
LWFS71410L	PURO-i III system 10 L/hr with Loop
LWFS71420	PURO-i III system 20 L/hr
LWFS71420R	PURO-i III system 20 L/hr with Reservoir conductivity
LWFS71420L	PURO-i III system 20 L/hr with Loop
LWFS71430	PURO-i III system 30 L/hr
LWFS71430R	PURO-i III system 30 L/hr with Reservoir conductivity
LWFS71430L	PURO-i III system 30 L/hr with Loop



TYPE 3 WATER

APPLICATIONS

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