

# Alto™-i I

## TECHNICAL SPECIFICATION

18.2 MΩ·CM WATER



The ALTO™-i I Laboratory Water Purification System is fully integrated to produce up to 2 L/min of Type I ultrapure water. Real-time water quality and operating conditions are displayed on the dispensing interface.

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

### FEATURES & BENEFITS

#### KEY FEATURES

- Type 1 water up to 2 L/min
- Specific cartridges for your critical applications
- Data capture with printable option
- Cartridge traceability with data tag
- Interactive 7" touch screen
- Continuous TOC monitoring
- Low Endotoxin, RNase, DNase and Protease option available
- Volumetric and drop by drop dispensing
- Colour coded dispensing stations with up to three flexible dispensing options

### PRODUCT WATER QUALITY

MODEL	DISPENSE WATER QUALITY (@25 °C / 77 °F)	DISPENSE FLOW RATE*	PARTICLES (> 0.2 µm)*	BACTERIA	TOC****	ENDOTOXINS**	RNASE***	DNASE***	PROTEASE****
ALTO-i I	18.2 MΩ·cm	≥ 2 L/min	< 1/ml	< 0.01 CFU/ml	≤ 5 ppb	< 0.001 EU/mL	< 1 pg/mL	< 5 pg/mL	< 0.15 µg/mL

- \* With LWFS32302 final filter
- \*\* With LWFS32303 final filter
- \*\*\* With TCO04 final filter
- \*\*\*\* With feed water TOC less than 50 ppb

### SYSTEM REQUIREMENTS

#### FEED WATER

Pressure	Bar / PSI	< 6 / 87
Conductivity	µS/cm	< 100 @ 25 °C
Temperature	°C / °F	5 - 40 / 41 - 104

### UNIT SPECIFICATIONS

#### ALL MODELS

Dimensions (System - HxWxD)	575 x 366 x 492 mm / 22.6 " x 13.2 " x 19.4 "
Dimensions (Dispenser - 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
Power Supply Output	200 VA



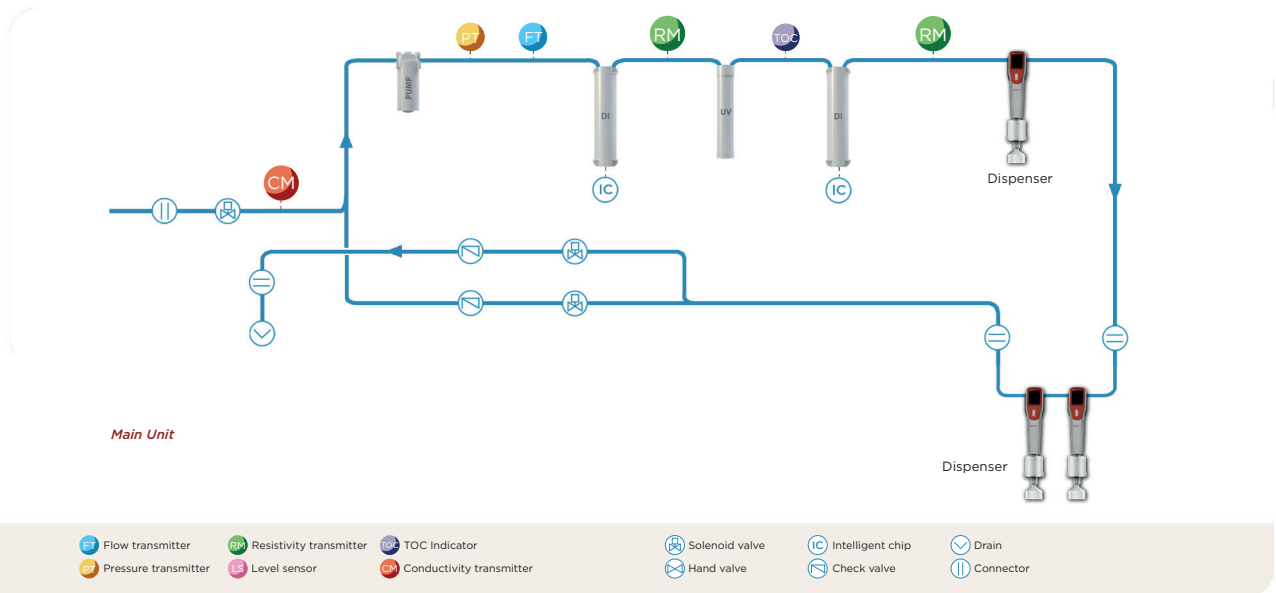
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### FLOWCHART



### ORDERING GUIDE

PART NUMBER	DESCRIPTION
LWFS71101	ALTO-i I system
LWFS71101C	ALTO-i I system with Feed water conductivity
LWFS71101T	ALTO-i I system with TOC indicator
LWFS71101TC	ALTO-i I system with TOC indicator & Feed water conductivity

### TYPE 1 WATER

#### APPLICATIONS

- Molecular Biology, Immunology & Pharmacology
- Electrochemistry
- Critical Cell & Tissue Culture
- (GF) AAS, HPLC, IC, ICP-MS, GC, MS
- DNA Sequencing
- Genomics & Proteomics

