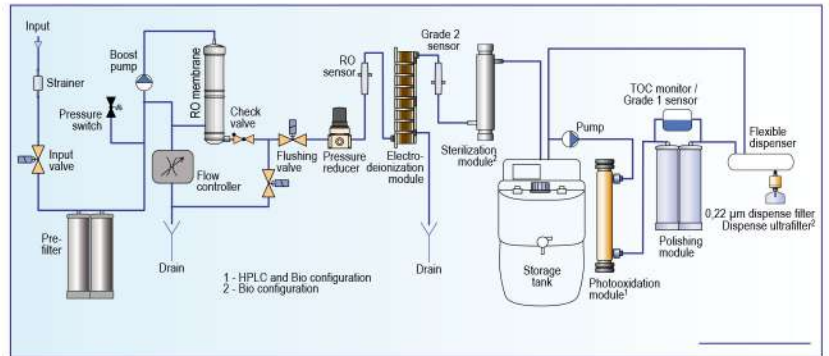


LABORATORY ULTRAPURE WATER SYSTEM

Q-Front Series Intelligent Water Purification System



Adrona's product Q-Front EDI is a tap water system for general laboratory applications and inorganic analytical methods. Q-Front EDI systems are intended for use in laboratories with high daily pure and ultrapure water consumption. Q-Front EDI systems include the flexible dispenser.



Description

Application	Q-Front EDI Trace	Q-Front EDI HPLC	Q-Front EDI Bio
Q-Front EDI Water Type	<ul style="list-style-type: none"> ultrapure water (Grade 1) pure water (Grade 2) 	<ul style="list-style-type: none"> Ultrapur water (Grade 1) Pure water (Grade 2) 	<ul style="list-style-type: none"> Ultrapur water (Grade 1) Pure water (Grade 2)
Application	<ul style="list-style-type: none"> atomic absorption spectrometry plasma optical emission spectrometry other inorganic trace analysis 	<ul style="list-style-type: none"> Chromatography Mass Spectrometry Microbiology Molecular Biology 	<ul style="list-style-type: none"> highly sensitive molecular biology cell culture other methods sensitive to RNase and endotoxins biology applications
Display	Colour Graphic LCD Display	Colour Graphic LCD Display	Colour Graphic LCD Display
Water quality sensor	•	•	•
TOC Monitor	-	•	•
Volumetric Dispense	•	•	•
Dispenser	flexible dispenser attached	flexible dispenser attached	flexible dispenser attached
Connection to Flow point	•	•	•
Storage tank	storage tank required, but not included		
Installation	installable on a laboratory bench		

Specification

Purified water parameters	Q-Front System Configuration		
	Trace	HPLC	Bio
Grade 1 water resistivity at 25 °C	18.2 MΩ x cm	18.2 MΩ x cm	18.2 MΩ x cm
Grade 1 water conductivity at 25 °C	0.055 µS/cm	0.055 µS/cm	0.055 µS/cm
Grade 2 water conductivity at 25 °C	0.1 µS/cm	0.1 µS/cm	0.1 µS/cm
Total Organic Carbon (TOC) level	<10 ppb	<5 ppb	<5 ppb
RNase	-	-	<0.01 ng/mL
DNase	-	-	<4 pg/µL
Bacteria	<0.01 CFU/mL	<0.01 CFU/mL	<0.01 CFU/mL
Endotoxins	<0.15 EU /mL	<0.15 EU /mL	<0.001 EU /mL
Particles >0.22 µm	<1/mL	<1/mL	<0.05/ per mL
Feed water pressure	0.4 - 6 bar	0.4 - 6 bar	0.4 - 6 bar
Data interface	RS 232	RS 232	RS 232
Dimensions (WxDxH), cm	35x39x54	35 x 39 x 54	35 x 39 x54
System weight, kg	27	28	29
Operation weight, kg	31	32	33