CHIMICA CENTRO
ADDED VALUE LAB SOLUTIONS

Q-FRONT EDI

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

	Q-Front EDI Trace	Q-Front EDI HPLC	Q-Front EDI Bio
Q-Front EDI water type	• ultrapure water (Grade 1) • pure water (Grade 2)	• ultrapure water (Grade 1) • pure water (Grade 2)	• ultrapure water (Grade 1) • pure water (Grade 2)
Application	• atomic absorption spectrometry • plasma optical emission spectrometry • other inorganic trace analysis	• chromatography • mass spectrometry • microbiology • molecular biology	• highly sensitive molecular biology • cell culture • other methods sensitive to RNase and endotoxins • biology applications
Display	colour graphic LCD display		
Water quality sensor	•	•	•
TOC Monitor	-	•	•
Volumetric dispense	•	•	•
Dispenser	flexible dispenser attached		
Connection to Flow point	•	•	•
Storage tank	storage tank required, but not included		
Installation	installable on a laboratory bench		

Consumables

Part number	Description	Replacement criteria	Comments
10410	Replacement pre-filter	If the filters are clogged or every 6 months	
10030	"Polishing+" module	Grade 1 water conductivity is > 0.1 µm/cm constantly or every 12 months	
10017	Sterilization UV bulb	2 years on average	"Bio" configuration
10018	Photooxidation UV bulb	2 years on average	"HPLC" and "Bio" configuration
10013	Replacement 0.22 µm dispense filter	Every 6–12 months	"Trace" and "HPLC" configuration
10120	Replacement ultrafilter	Every 3–6 months	"Bio" configuration

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Ordering information

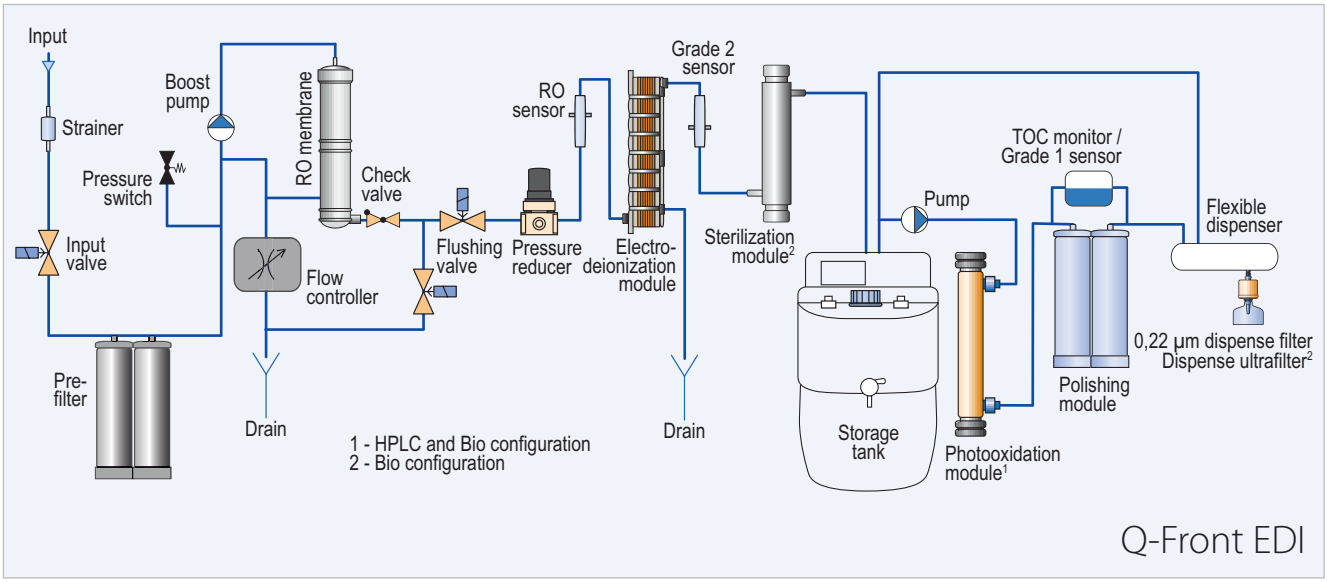
Model	Part number
Q-Front 5 EDI Trace	QF-4101
Q-Front 10 EDI Trace	QF-4201
Q-Front 5 EDI HPLC	QF-4103
Q-Front 10 EDI HPLC	QF-4203
Q-Front 5 EDI Bio	QF-4105
Q-Front 10 EDI Bio	QF-4205

Specifications

	Q-Front EDI 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	35x39x54	35x39x54
System weight, kg	27	28	29
Operation weight, kg	31	32	33

* In appropriate operating conditions <2 ppb, otherwise normally <5 ppb.

Flow diagram



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