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
10012	Replacement 0.22 µm dispense filter	Every 6–12 months	"Trace" and "HPLC" configuration
10120	Replacement ultrafilter	Every 3–6 months	"Bio" configuration

Ordering information

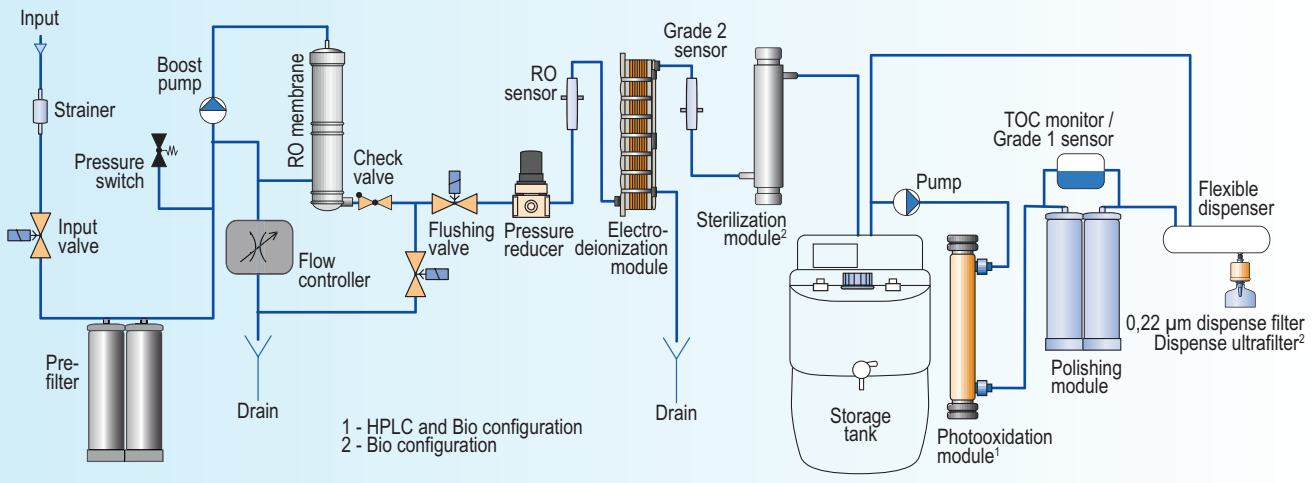
Model	Part number
Q-Front 5 EDI Trace	QF-4101
Q-Front 10 EDI Trace	QF-4201
Q-Front 5 EDI HPLC	QF-4103
Q-Front 10 EDI HPLC	QF-4203
Q-Front 5 EDI Bio	QF-4105
Q-Front 10 EDI Bio	QF-4205

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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