

## Q-Front water purification systems

The newest pure and ultrapure water system with maximum features, convenience and performance. This is the essence of know-how and experience of Adrona engineers obtained during the decades.

### Benefits of Adrona water purification systems:

- Premium quality water
- Reliable operation
- Low running costs
- Easy installation and maintenance
- Convenient user interface

### Q-Front series:

- New prefilter with significantly higher trapping capability
- Improved RO and deioniser lifetime
- Stable output water quality
- Convenient flexible dispenser
- Sanitisation cartridge available
- In-line ultrafilter configuration (Bio UF) available



Application	Q-Front (EDI) Trace	Q-Front (EDI) HPLC	Q-Front (EDI) Bio	Q-Front (EDI) Bio UF
Reagent preparation	•	•	•	•
Flame AAS	•	•	•	•
Autoclaves	•	•	•	•
Plasma mass-spectrometry (ICPMS)	•	•	•	•
Plasma spectrophotometry (ICPOES)	•	•	•	•
Ion chromatography	•	•	•	•
Liquid chromatography (HPLC)		•	•	•
Gas chromatography		•	•	•
Total organic carbon measurements (TOC)		•	•	•
Flow cytometry			•	•
Cell and tissue culture			•	•
Molecular biology			•	•

Parameters	Q-Front (EDI) Trace	Q-Front (EDI) HPLC	Q-Front (EDI) Bio	Q-Front (EDI) Bio UF
Grade 1 water resistivity at 25 °C	18.2 MΩ x cm	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	0.055 μS/cm
Grade 2 water conductivity at 25 °C	0.1 μS/cm	0.1 μS/cm	0.1 μS/cm	0.1 μS/cm
Total Organic Carbon (TOC) level	<10 ppb	<2 ppb	<2 ppb	<2 ppb
Rnase	–	–	<0.01 ng/mL	<0.01 ng/mL
Dnase	–	–	<4 pg/μL	<4 pg/μL
Bacteria	<0.01 CFU/mL	<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	<0.001 EU /mL
Particles >0.22 μm	<1/mL	<1/mL	<0.05/mL	<0.05/mL
Nominal flow, pure (EDI) or RO water (to storage tank)	5 / 10 L/h	5 / 10 L/h	5 / 10 L/h	5 / 10 L/h
Dispense rate, ultrapure water	<2 L/min	<2 L/min	<2 L/min	<2 L/min
Feed water pressure	0.4 – 6 bar	0.4 – 6 bar	0.4 – 6 bar	0.4 – 6 bar
Data interface	RS 232	RS 232	RS 232	RS 232
Dimensions (WxDxH), cm	35x39x54	35x39x54	35x39x54	35x39x54
Weight (Q-Front), kg	25	26	27	27
Weight (Q-Front EDI), kg	27	28	29	29