



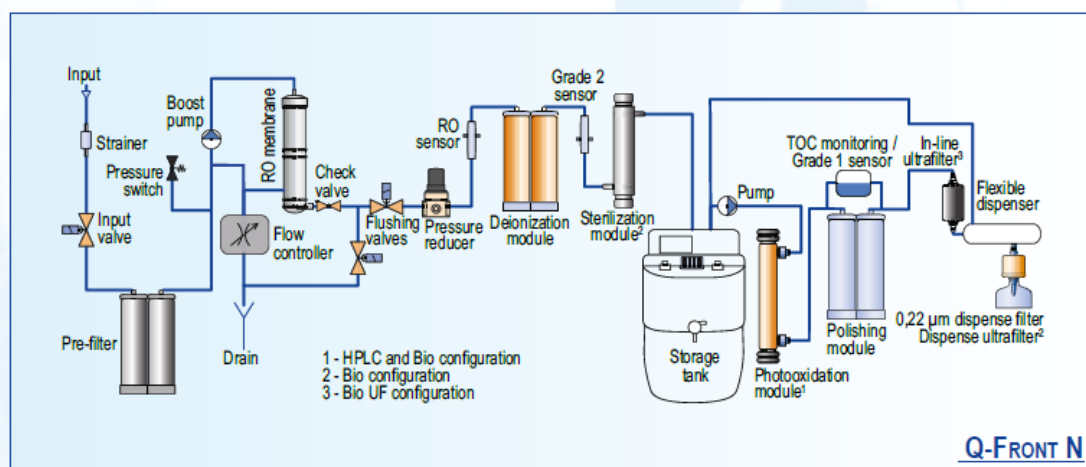
Q-FRONT N

Q-Front N is a new addition to Adrona's product range and is intended as a successor to our popular and highly appreciated B30 system. It is an excellent choice for your laboratory, providing both Grade I and Grade II water directly from tap water.

With Q-Front N series we have introduced new tool-free quick connectors for effortless cartridge replacement and a redesigned flexible dispenser, ensuring ergonomic and convenient daily operation.

Like the other Adrona water purification systems, Q-Front N is available in Trace, HPLC, Bio and Bio UF configurations to meet the specific needs of every laboratory and application.

FLOW DIAGRAM



WATER QUALITY SPECIFICATIONS BY Q-FRONT N

	Trace	HPLC	Bio	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 resistivity at 25 °C	>10 MΩ x cm	>10 MΩ x cm	>10 MΩ x cm	>10 MΩ x 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	-
DNase	-	-	<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	-
Particles >0.22 µm	<1/ per mL	<1/ per mL	-	-
Nominal flow, pure water (to storage tank)	10 L/h	10 L/h	10 L/h	10 L/h
Dispense rate, ultrapure water	Up to 2 L/min	Up to 2 L/min	Up to 2 L/min	Up to 2 L/min

CONSUMABLES

Part number	Description	Replacement criteria	Comments
10310	Deionization module	When indicated on the display or water conductivity is constantly > 0.5 $\mu\text{S}/\text{cm}$ during tank filling stage	
10030	Polishing module "Polishing+"	When indicated on the display or water conductivity is constantly > 0.1 $\mu\text{S}/\text{cm}$ during recirculation	
10410	Pre-filter set	Filter life counter is zero or the filter is clogged	
10018	UV photooxidation bulb	2 years on average	Only for „Bio“ and „HPLC“
10012	Point-of-use microfilter	Every 6–12 months	Only for „Trace“ and „HPLC“
10120	Point-of-use ultrafilter	Every 3–6 months	Only for „Bio“
11200	In-line ultrafilter	Every 6–12 months	Only for "Bio UF"
10011	UV sterilization bulb	When required (on average every 2 years)	Only for „Bio“