



membraPure ultra-pure water systems

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	Aquinity ²					Astacus ²
	P			E		Astacus ²
	Aquinity ² P10	Aquinity ² P35	Aquinity ² P70	Aquinity ² E35	Aquinity ² E70	
Feeding water	Tap water (quality : conductivity <1400µS/cm at 25°C, hardness <25° GSG, Chlorine <0,1mg/lit; SDI <3 "Silt density Index, Pressure < 6bar, pH from 3 to 9					RO (reverse osmosis) or deionized water
UP water production capacity	< 40 lit/day	< 100 lit/day		< 200 lit/day		< 100 lit/day
Flowrate of UP water	2 lit/min (1,5 lit/min for LifeScience and LifeScience TI versions)					
Storage tank capacity	10 lit (intergrated tank)	35 lit	70 lit	35 lit	70 lit	NO
Vent filter for tank	YES					NO
UV lamp for tank	NO	YES				NO
Ultrafiltration module (UF) for pyrogene and RNase and DNase reduction	NO	YES (only for LifeScience and LifeScience TI versions : RNase < 1 pg/ml and DNase < 1 pg/mL)				
Endotoxins	NO	< 0.001 EU/ml (only for LifeScience and LifeScience TI versions)				
Bacteria	< 1 cfu/ml (only for LifeScience and LifeScience TI versions)					
Particulate	> 0.2 µm less than 1 particulate/ml					
TOC monitoring	NO	YES (only for LifeScience and LifeScience TI versions)				
RO (Reverse osmosis) module	YES					NO
EDI (Electro-deionisation) module	NO			YES		NO
Produced water Type I	YES					
Produced water Type II (second tap connected to the tank)	NO	YES				NO
Conductivity	0,055 µS/cm for type I tap (and <2 µS/cm for type II tap : Aquinity ² P and Aquinity ² E versions)					
Resistivity	18,2 MOhm x cm for type I tap (and >0,5 Mohm x cm for type II tap: Aquinity ² P and Aquinity ² E versions)					
UV reactor (185nm/254nm)	YES (not for Reagent versions)					
SubmersibleUV lamp for tank	NO	YES				NO
TOC value	Reagent : < 10 ppb					
	LifeScience and Lifescience TI (with UV reactor UF module) : < 5 ppb					
	Analytical (with UV reactor) : < 3 ppb					



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Applications areas	Reagent (for standard laboratory needs, AAS and ICP)					
	Analytical (for standard laboratory needs, AAS, ICP, HPLC, UHPLC, LC-MS, IC and ICP-MS) / Analytical TI version has a TOC monitoring.					
	LifeScience (for standard laboratory needs, AAS, ICP, HPLC, UHPLC, LC-MS, IC, ICP-MS, molecular biology and cell culture applications) / LifeScience TI version has a TOC monitoring.					
Reagent version	YES					
Analytical version	YES					
Analytical TI version	NO				YES	
LifeScience version	NO				YES	
LifeScience TI version	NO				YES	