

|  | Aquinity <sup>2</sup>   |  |                           |                           |                           | Astacus <sup>2</sup>                    |
|--|---|--|---------------------------|---------------------------|---------------------------|---|
|  | P   |  |                           | E                         |                           | Astacus <sup>2</sup>                    |
|  | Aquinity <sup>2</sup> P10   | Aquinity <sup>2</sup> P35  | Aquinity <sup>2</sup> P70 | Aquinity <sup>2</sup> E35 | Aquinity <sup>2</sup> E70 |   |
| <b>Feeding water</b>                     | Tap water (quality : conductivity <1000µS/cm at 25°C, hardness <25° GSG, Chlorine <0,5mg/lit; SDI <3 "Silt density Index, Pressure < 5bar |  |                           |                           |                           | RO (reverse osmosis) or deionized water |
| <b>UP water production capacity</b>      | < 40 lit/day  | < 100 lit/day  |                           | < 200 lit/day             |                           | < 100 lit/day                           |
| <b>Flowrate of UP water</b>              | 1,5 lit/min   | 2 lit/min  |                           |                           |                           |   |
| <b>Storage tank capacity</b>             | 10 lit (intergrated tank)   | 35 lit   | 70 lit                    | 35 lit                    | 70 lit                    | NO                                      |
| <b>Vent filter for tank</b>              | YES   |  |                           |                           |                           | NO                                      |
| <b>UV lamp for tank</b>                  | NO  | YES  |                           |                           |                           | NO                                      |
| <b>Ultrafiltration module (UF) for</b>   | NO  | YES (only for LifeScience and LifeScience TI versions)           |                           |                           |                           |   |
| <b>Endotoxins</b>                        | NO  | < 0.001 EU/ml (only for LifeScience and LifeScience TI versions) |                           |                           |                           |   |
| <b>TOC monitoring</b>                    | NO  | YES (only for LifeScience and LifeScience TI versions)           |                           |                           |                           |   |
| <b>RO (Reverse osmosis) module</b>       | YES   |  |                           |                           |                           | NO                                      |
| <b>EDI (Electro-deionisation) module</b> | NO  |  |                           | YES                       |                           | NO                                      |
| <b>Conductivity</b>                      | 10 µS/cm  |  |                           | < 1 µS/cm                 |                           |   |
| <b>Resistivity</b>                       | 18,2 MOhm x cm  |  |                           |                           |                           |   |
| <b>UV reactor (185nm)</b>                | YES (not for Reagent version)   |  |                           |                           |                           |   |
| <b>TOC value</b>                         | Reagent : < 10 ppb  |  |                           |                           |                           |   |
|  | LifeScience and Lifescience TI (with UV reactor UF module) : < 5 ppb  |  |                           |                           |                           |   |
|  | Analytical (with UV reactor) : < 1 ppb  |  |                           |                           |                           |   |
| <b>Applications areas</b>                | Reagent (for standard laboratory needs, AAS and ICP)  |  |                           |                           |                           |   |
|  | LifeScience (for molecular biology and cell culture applications) / LifeScience TI : with TOC monitoring.                                 |  |                           |                           |                           |   |
|  | Analytical (for chromatography : HPLC, UHPLC, LC-MS, IC, ICP-MS) / Analytical TI : with TOC monitoring.                                   |  |                           |                           |                           |   |
| <b>Reagent version</b>                   | YES   |  |                           |                           |                           |   |
| <b>Analytical version</b>                | YES   |  |                           |                           |                           |   |
| <b>Analytical TI version</b>             | NO  | YES  |                           |                           |                           |   |
| <b>LifeScience version</b>               | NO  | YES  |                           |                           |                           |   |
| <b>LifeScience TI version</b>            | NO  | YES  |                           |                           |                           |   |