# BetaLine UV-system

| Technical specification sheet | BLE4.250L4 |
|---|---|
| Subtype | Type D |
| Biodosimetric tested acc to | Onorm M5873-1:2011 |
| Year of type approval | 2011 |

### UV chamber type BLE

| | |
|---|---|
| Material | stainless steel 316L (1.4404) |
| Roughness, internal | max. 0,6 to 1.0 micron |
| Shape of construction | L-shape |
| Connection, basic | NW150 |
| Mounting | horizontal alt. vertical |
| Max. waterpressure | 10 bar |
| Number of UV lamps and quartzsleeves | 4 |
| Type of UV lamp | E250 |
| UV lampconnection | one-sided |
| Quartzsleeve(s) | one-side closed |
| Fixation of quartzsleeves | two-sides fixed |
| Type of quartz, standard | Q250 |
| Protection class | IP54 |
| UV sensor, Onorm | included |
| Anti-fouling mechanism, manual, Mc | included |
| Anti-fouling mechanism, electrical, Ec | option |
| Temperature detector | included |
| Drain/deairationconnection (¼") | included |
| Flangeconstruction for easy access into the chamber | included |
| Weight, empty – filled, abt. | 60 - 110kg |
| Dimensions | see drawing |

### Control cabinet

| | |
|---|---|
| Material | painted steel |
| Dimensions at standard power supply (h x w x d) | 600 x 600 x 200 mm |
| Power supply, standard | 230Volt 1L+N |
| Connected power | maximum 1,05 kW |
| Installed power | 1,5 kVA |
| Frequency | 50 or 60 Hz |
| Protection class | IP54 |
| Ballast type | electronic |
| Electrical cables between chamber and cabinet | included (5 meters) |

### Controller type · **Lambda 4**

| | |
|---|---|
| Display for read-out | 2 x 16 character read-out |
| UV intensity read-out (W/m2) | included |
| Automatic poweradjustment UV lamp(s) | included |
| 4-20mA UV intensity output | included |
| Setpoints 'minimum UV intensity' and 'UV intensity warning' | included |
| Remote start/stop | included |
| Individual lampfailure detection, lampstatus and –control | included |
| Hourscounter, 'system ON', non-resetable | included |
| Hourscounter, 'lamp(s) ON' resetable | included |
| Warning messages for lampfailure and maintenance | included |
| Input for flowmeter, variable (4-20mA) or fixed | included |
| UV WARNING (PFC) | included |
| UV failure (PFC) | included |
| Lamp failure (PFC) | included |
| Maintenance warning (PFC) | included |
| System ready or main valve (PFC) | included |
| Bleed valve contact (PFC) | included |
| Watertemperature input and protection | included |
| Cabinettemperature warning and alarm | included |

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Remote wiping action                                                        included