# Layout and performance data of the aeration/deaeration plant L361, L661, L662

Project: _____

Feed line ①: DN _____

Extraction line ②: DN _____

Maximum flow velocity ③: v _____ m/s

Maximum inflow ④: Q _____ m³/h

Maximum extraction ⑤: Q _____ m³/h

Inspection window: W _____ x H _____ mm

Access door: W _____ x H _____ mm

Maximum pressure differential: Δ p _____ Pa

The type and size of the filter plant depend on the maximum inflow ④, or maximum extraction⑤ respectively. The specified maximum throughput of a filter plant in m³/h (see table 1) must be maximum inflow ④, or extraction⑤ [Q in m³/h] respectively, the higher value being decisive. **If there are any inspection windows or access doors to the tank, make sure the maximum pressure differential does not become too high.** Overdimensioning of the Aeration & Deaeration Plant must be avoided as this might affect filter function.

| Type | Maximum throughput at Δ p = 120 Pa | Minimum louvre size | Minimum air line size | Filter size | | Filter unit |
|---|---|---|---|---|---|---|
| | in m³/h | B x H in mm | in mm | D x W x H in mm | | L x W x H in mm |
| **L361** | 720 m³/h | 600 x 400 | DN 200 | Fine filter | 60x610x610 | 720 x 640 x 725 |
| | | | | Suspended solids filter | 78x610x610 | |
| **L661** | 1440 m³/h | 600 x 600 | DN 300 | Fine filter | 60x610x610 | 720 x 640 x 725 |
| | | | | Suspended solids filter | 292x610x610 | |
| **L662** | 3012 m³/h | 1000 x 800 | DN 400 | Fine filter | 60x610x610 | 720 x 640 x 725 |
| | | | | Suspended solids filter | 292x610x610 | |

*Table 1*

The safety valve is an additional overpressure and underpressure protection in case of a pipe break. The applicable valve type (table 2) depends on the nominal width of the extraction line ②.

| Safety valve, response pressure p = 1000 Pa | | | | | |
|---|---|---|---|---|---|
| Type | DN | Maximum air throughput | | Δ p | Connection |
| | | Aeration | Deaeration | | |
| **170 - 1** | 100 (DA = 110) | 846 m³/h | 1113 m³/h | 1000 | Clamp connection |
| **181 - 1** | 250 | 3100 m³/h | 3100 m³/h | 1000 | Flansch PN 10 |

*Table 2*


HUBER SE

Industriepark Erasbach A1 · D-92334 Berching
Phone: + 49 - 84 62 - 201 - 0 · Fax: + 49 - 84 62 - 201 - 810
info@huber.de · Internet: www.huber.de



Subject to technical modification
3.2018