

## ► Layout and performance data of the aeration/deaeration plant L252, max. throughput 300 m<sup>3</sup>/h

Project: \_\_\_\_\_

Feed line ①: DN \_\_\_\_\_

Extraction line ②: DN \_\_\_\_\_

Maximum flow velocity ③: v \_\_\_\_\_ m/s

Maximum inflow ④: Q \_\_\_\_\_ m<sup>3</sup>/h

Maximum extraction ⑤: Q \_\_\_\_\_ m<sup>3</sup>/h

Inspection window W \_\_\_\_\_ x H \_\_\_\_\_ mm

Access door: W \_\_\_\_\_ x H \_\_\_\_\_ mm

Maximum pressure differential:  $\Delta p$  \_\_\_\_\_ Pa

The type and size of the filter plant depend on the maximum inflow ④, or maximum extraction ⑤ respectively. The specified **maximum throughput** of a filter plant in m<sup>3</sup>/h (see table 1) must be maximum inflow ④, or extraction ⑤ [Q in m<sup>3</sup>/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.**

Type	Maximum throughput at $\Delta p = 120$ Pa	Minimum louvre size	Air line	Filter size	Filter unit
	in m <sup>3</sup> /h	W x H in mm	in mm	Diameter in mm	Flange outside diameter and L in mm (without socket)
<b>L252</b>	300	500 x 300	DN 200	Suspended solids filter, 200 dia.	380 dia. 900 installation length

Table 1

The safety valve is an additional overpressure and underpressure protection in case of a pipe break.

Safety valve, response pressure p = 1000 Pa					
Typ	DN	Maximum air throughput		$\Delta p$	Connection
		Aeration	Deaeration		
<b>170 - 1</b>	100 (DA = 110)	846 m <sup>3</sup> /h	1113 m <sup>3</sup> /h	1000	Clamp connection

Table 2

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