Layout and performance data of the aeration/deaeration plant L251, max. throughput 250 m³/h

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 discharge ⑤ respectively. The specified maximum throughput of a filter plant in m³/h (see table 1) must be maximum inflow ④, or extraction ⑤ [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.

Type	Maximum throughput at Δp 120 Pa	Minimum louvre size	Air line	Filter size	Filter unit
	in m³/h	W x H in mm	in mm	Diameter in mm	Flange outside diameter and L in mm (without socket)
L251	250	500 x 300	DN 100 – DN 200	Suspended solids filter, 200 dia.	Ø 340 Length 500

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					
Type	DN	Maximum air throughput		Δ p	Connection
		Aeration	Deaeration		
170 - 1	100 (DA = 110)	846 m³/h	1113 m³/h	1000	Clamp connection

Table 2

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