



AyraScrub™ LPH

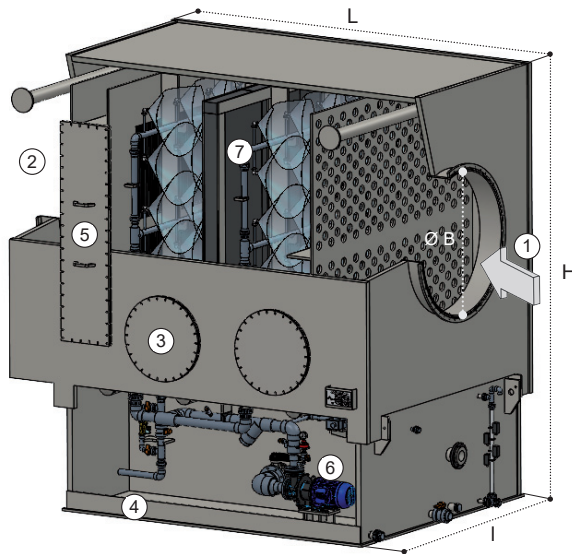
Cross-flow physico-chemical treatment by horizontal gas scrubber with sprays

Operation

When pollutants pass against the current with the aqueous scrubbing solution, the pollutants are transferred from the gas phase to the liquid phase where they can be neutralized by the reagent injection.

Unlike packed bed scrubbers, the liquid/gas contact surface created in the scrubber body is made up of a multiplicity of liquid droplets sprayed into the gas stream.

Spray nozzles of the **AyraScrub™ LPH** scrubber produce a mist of droplets to create an exchange surface between the liquid and the pollutants. These droplets meet the gaseous pollutant, thereby creating the liquid/gas interface. Once the pollutants are dissolved, they are degraded and neutralized in the scrubbing liquid by chemical reagents. The liquid is then periodically deconcentrated then sent to the water treatment station.



1. Gas inlet
2. Gas outlet
3. Access hatch, transparent in option
4. Recovery bund
5. Droplet separator
6. Recycling pump
7. Recycling pipes equipped with spray heads



Numerous options are available, including frost protection, anchoring, retention, access ladders and platforms, automatic management, inclined bottom, special materials, etc.

Technical specifications

SCRUBBER AyraScrub™ LPH (ie: Scrubber 2 cells)							PUMPS (3 000 rpm)	Total Weight
SIZE	FLOW (min. - max.)	Ø B (min. - max.)	L* (length)	l (width)	H (height)	LIQUID VOLUME	kW	kg
Unit	m³/h	mm	mm	mm	mm	m³		
710	1 730 - 3 465	250 - 315	2 945	1 205	1 465	1,2	2,2	1 580
940	3 125 - 6 245	315 - 450	3 435	1 155	1 775	1,02	2,2	2 131
1 250	5 520 - 11 045	450 - 560	3 435	1 415	2 035	1,34	3	2 834
1 400	6 930 - 13 855	500 - 630	3 435	1 555	2 175	1,54	3	3 309
1 600	9 050 - 18 095	560 - 710	3 435	1 715	2 335	1,85	3	3 753
1 900	12 760 - 25 520	710 - 900	3 645	1 955	2 840	2,1	4	4 640
2 200	17 105 - 34 210	800 - 1 000	3 745	2 205	3 190	2,76	5,5	5 391
2 500	22 090 - 44 180	900 - 1 120	3 945	2 455	3 440	3,46	7,5	6 518
2 850	28 710 - 48 550	1 000 - 1 250	4 025	2 755	3 740	4,15	7,5	7 536
3 150	31 500 - 57 415	1 120 - 1 400	4 025	3 055	4 040	4,85	9	9 104
3 500	43 295 - 86 590	1 250 - 1 600	4 025	3 355	4 440	5,3	9	10 432
4 000	56 550 - 113 100	1 400 - 1 800	4 425	3 755	4 840	6,99	11	12 092

* The number of cells determines the length (L) of the scrubber.

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