



AyraVita™ MOD

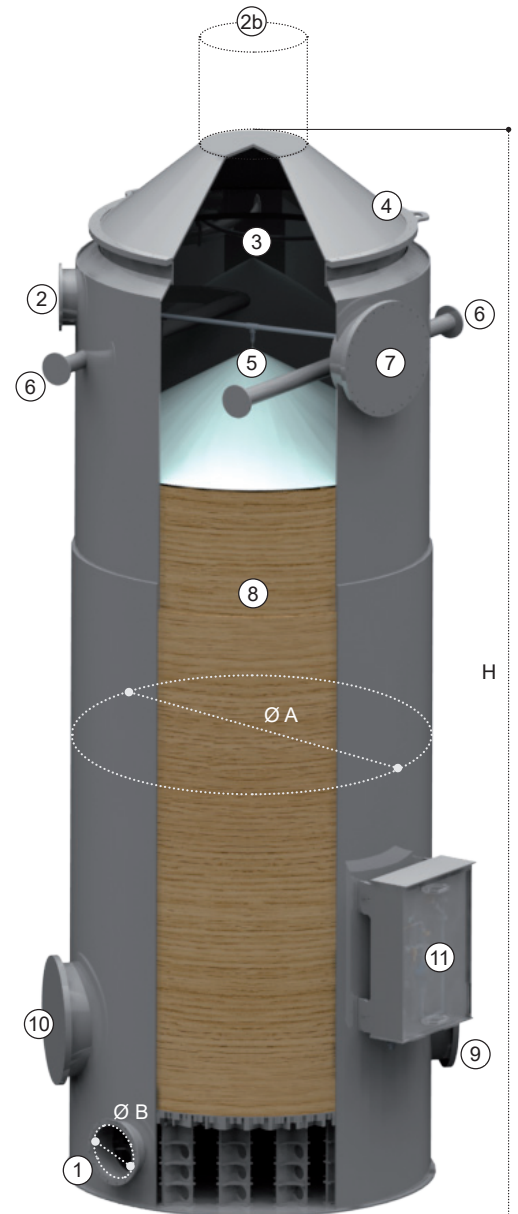
Biological oxidation on mineral media solution

Operation

The operating principle of a **AyraVita™** biofilter consists in forcing the passage of a gas to be treated through a biomass medium, whose composition varies according to the pollutants to treat. The purifying micro-organisms settle down the biomass, that is kept at optimal moisture level for their development.

Gaseous pollutants are destroyed on contact with biomass by the action of bacteria.

- | | |
|-----------------------------------------------|--------------------------------|
| 1. Gas inlet | 8. Filter media |
| 2. Treated air outlet to additional treatment | 9. Cleanout hatch |
| 2b. Treated air outlet to chimney | 10. Unloading hatch |
| 3. Droplet separator (in option) | 11. Water supply box |
| 4. Loading cover | A. Internal diameter |
| 5. Spraying nozzles | B. Gas inlet & outlet diameter |
| 6. Lifting bars | H. Total height |
| 7. Spraying nozzle access hatch | |



Technical specifications

SIZE	FLOW*	Ø A	Ø B	H
Unit	Cfm	inches	inches	(height for 4 m. of media) mm
1 900	200 - 1 700	6'1"	8"	6 330
2 200	250 - 2 470	7'1"	10"	6 580
2 800	400 - 4 000	9'1"	14"	6 660
3 150	500 - 5 050	10'1"	14"	6 942
3 700	700 - 7 000	12'1"	18"	7 170

* Variable per required media packed height, the expected efficiency and pollutants at system inlet.

HATCH	Ø (inches)
Loading hatch	75
Unloading hatch	28
Access hatch	25
Clean out hatch	12

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