

MC produces exhaust air scrubber made from PP, PVC, PVDF (other plastics available on request) or stainless steel. They are used to clean steam clouds saturated with alkaline or acid media.

**Application:** Pretreatment, electroplating, etc.

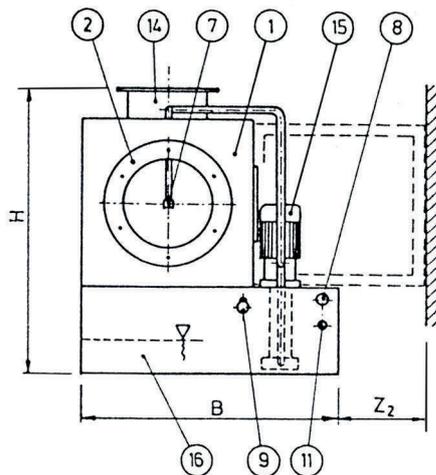
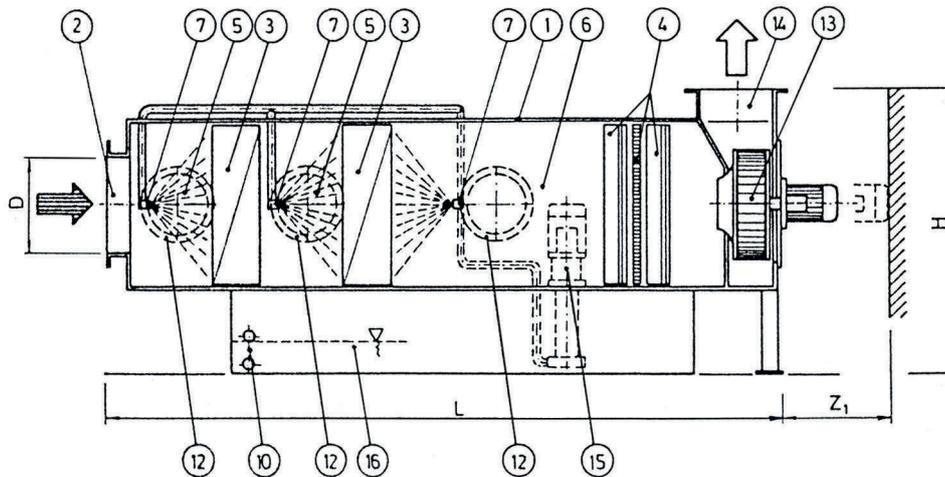
**Advantages:** Ready-to-connect, compact exhaust air scrubber, housing made from plastic or stainless steel, with integrated water supply, ventilator rotor made from plastic or stainless steel, packed beds and double-droplet separator with fine filter made from plastic

**Function:** Washing zone 1:  
With the help of the pump, the water supply is sprayed from full cone nozzles onto the packed bed and into the exhaust air flow. The droplets are atomized in the impact zone and, thereby, contaminant uptake is increased.  
In the process of the packed bed droplet size increases due to inertia. Larger droplets are formed which can now mostly be collected and separated.

Washing zone 2:  
The prewashed exhaust air is pulled through a second waterwall and onto another packed bed. Inside the proceedings of washing zone 1 are repeated. This reduces the amount of contaminates once more.

Fly and washing zone 3:  
In this zone, the water supply is sprayed via hollow cone nozzles. Due to this 3rd waterwall and the long reaction time, the remaining contaminates are finally bound and washed out. 99% of all droplets with a size of more than 10µm are filtered inside of the droplet separator system with its 2 droplet separator profiles and the fine filter.

## Technical specifications



### Component descriptions:

- |   |   |
|---|---|
| 1. Basic housing made from plastic or stainl. steel   | 10. Overflow and system overflow                                  |
| 2. Intake socket                                      | 11. Prepared connections for a neutralization of the water supply |
| 3. 2 packed beds made from plastic or stainless steel | 12. 3 cleaning openings   |
| 4. Double droplet separator system with fine filter   | 13. Suction fan with rotor made from plastic or stainless steel   |
| 5. Washing zones 1 and 2                              | 14. Connection socket for exhaust air pipe                        |
| 6. Fly and washing zone                               | 15. Pump  |
| 7. 3 spray bars with nozzles                          | 16. Water supply container  |
| 8. Float switch                                       |   |
| 9. Solenoid valve                                     |   |

Performance specifications can only be given for individual cases. Please request more information or a direct offer based on your specific requirements.