

indirectly air-cooled

MC produces vent condensers made from plastics or stainless steel for the purposes of recovering aerosols and clouds of steam. Thereby, water consumption and heating needs are substantially decreased.

Application: For industrial single-chamber washing machines

Advantages:

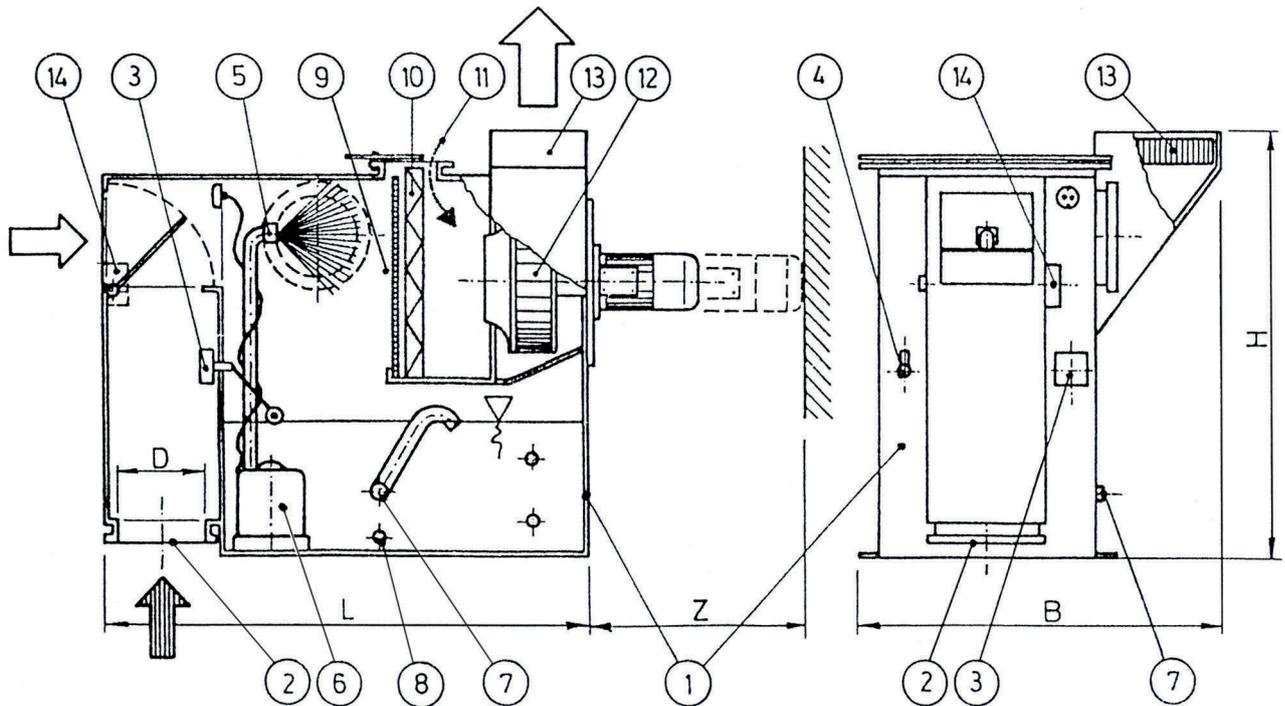
- No cooling water consumption since indirectly air-cooled
- Ready-to-connect, compact vent condenser, housing made from plastic or stainless steel, with integrated water supply, ventilator rotor made from plastic or stainless steel, droplet separator and fine filter made from plastic or stainless steel
- Water supply is cooled with indoor air
- No exhaust air piping required; exhaust air can be discharged back into the installation room
- Lowerer heat output in installation room required
- Decreased water consumption of the system when condensate is recircled into pretreatment

Function: During the washing process, steam is created. These steam clouds are sucked from the system with the help of a ventilator. (For energy-saving reasons, only as little as possible is sucked out during the washing process).
Beforehand a servomotor has opened the air damper so that the steam clouds get into the condense zone in order to rain out. Via a pump cool water supply is sprayed through hollow cone nozzles in very fine droplets, resulting in the condensing of the steam clouds. In the adjoining droplet separator droplets and aerosols are separated. In a last step, the exhaust air can be discharged into the installation room and the condensate can flow back into the system's overflow. Now, the servomotor closes the air damper, and the water supply is cooled down with ambient air.

Technical specifications

Exhaust air m ³ /h	Dimensions in mm					Pump kW	Ventilator kW
	L	B	H	D	Z		
500	1,000	400	600	150	550	0.37	0.37
1,000	1,000	400	800	150	550	0.37	0.37
2,000	1,200	500	900	250	550	0.55	0.55
3,000	1,500	500	1,000	320	600	0.55	0.55
4,000	1,700	550	1,050	380	650	0.90	1.10
6,000	2,000	650	1,250	450	650	1.10	1.50
8,000	2,500	800	1,450	560	700	1.50	2.20

Greater exhaust air capacities available on request!



Component description:

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|---|--|
| 1. Housing made from plastic or stainl. steel | 8. Drain outlet |
| 2. Intake socket | 9. Condensation and washing zone |
| 3. Float switch | 10. Droplet separator |
| 4. Solenoid valve | 11. Post-condensation |
| 5. Hollow cone nozzles | 12. Ventilator with plastic or stainless steel rotor |
| 6. Pump | 13. Air outlet with fine filter |
| 7. Condensate overflow | 14. Servomotor for air damper |