

AIR EXCELLENT

800 Series distribution boxes, type DB816



The Air Excellent air distribution system is ductwork designed to distribute air for central mechanical ventilation systems with heat recovery, used to ventilate residential and small commercial buildings. The ventilation unit is connected to the distribution boxes using insulated mass flow ducts and silencers and the semi-rigid duct is rolled out to supply fresh air to the habitable rooms and extract stale, moist air from the wet rooms.

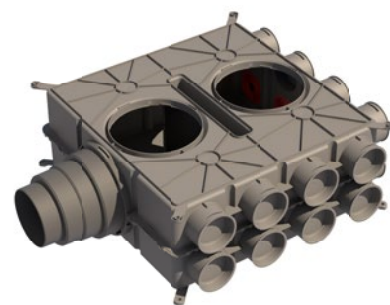
The distribution box is an important part of the air distribution system. It controls the air capacity of the duct runs within the system. To control the air flow per duct run, adjustable air flow restrictors are mounted at the ductwork connections in the distribution box.

One for all, all for one

Air Excellent is a comprehensive portfolio of ductwork and parts to make complete, energy-efficient and easy to install ventilation systems. The ductwork is available in various circular and semi-circular dimensions. All ductwork types can connect to one universal distribution box by use of adaptors. This eliminates the need to keep stock of numerous box types and limits costs. One box offering various solutions for most installations.

Features & performance

- Superior system performance due to low pressure loss
- 16 duct run connections for all possible installations
- Tested according to TÜV SÜD Standard TAK 01-2013 (system pressure: +2000 Pa/-2000 Pa)
- Elimination of cross-talk and HRV-unit sound
- Multiple DNI80-based inspection hatches with EPDM seal-ring and bayonet-locking
- Easy to clean the system and re-arrange the flow restrictors (renovation)
- Made of virgin raw PP materials



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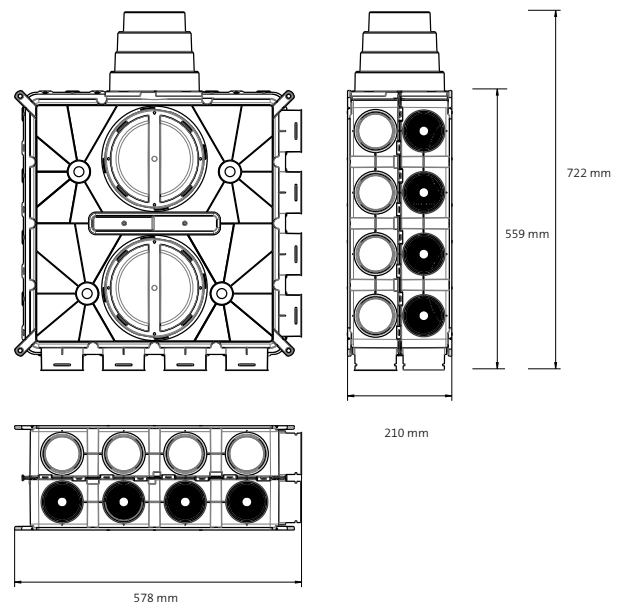
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Ease of installation

- Extremely lightweight and no sharp edges
- Can be installed on walls, on floors, behind suspended ceilings
- Integrated mounting brackets on both sides
- Mass flow ductwork connection allows vertical and horizontal installations
- Air flow restrictors are easy to place and replace due to good accessibility
- One adaptable mass flow ductwork connection for DN125, DN150, DN160 and DN180



Pressure Loss Dbox	
Qv (Volume) [m³/h]	Δp (Pressure Loss) [Pa]
50	0,2
100	0,8
150	1,6
200	2,7
250	4,0
300	5,7
350	7,6
400	9,8
450	12,3
500	15,1
550	18,2
600	21,5
650	25,2
700	29,1
750	33,3
800	37,8



Figures are based on measurements by the TÜV SÜD.

