# Air Excellent DBOX External Air Restrictor Valve

Article number: 188663

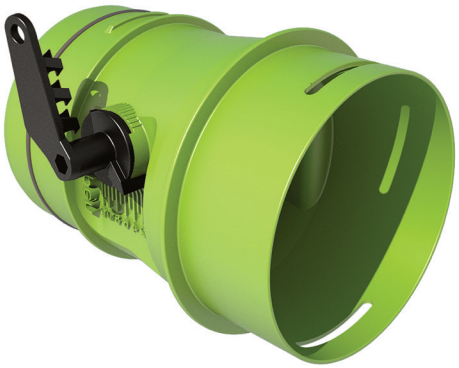
Centrotherm
solutions beyond

ubbink

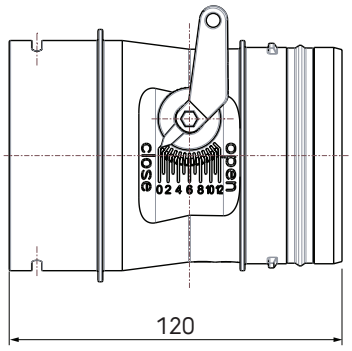
## Product overview

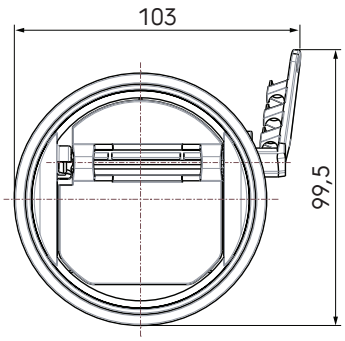
The Air Excellent DBOX External Air Restrictor Valve allows precise adjustment of the air flow rate for each duct, ensuring optimal ventilation performance. It connects directly to the distribution box and, with the use of converters, is compatible with any duct in the Air Excellent range. Air flow settings can be determined via the Aerflux configurator. The external lever enables easy adjustment without the need to access the distribution box, making installation and maintenance quick and hassle-free.

- Precise air flow control for each duct individually
- Easy, tool-free adjustment



## Product dimensions




## Technical specifications

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## Technical specifications (continuation)

| Technical | |
|---|---|
| Color | Green |
| Anti static | ☑ |
| Antimicrobial | ☑ |
| **Performance** | |
| Temperature resistance (min.) | –20 °C |
| Temperature resistance (max.) | 60 °C |
| Reaction to fire: Euro class | E |
| **Dimensions** | |
| Length gross | 120 mm |
| Width | 103 mm |
| Height | 100 mm |
| Net weight | 0.09 kg |

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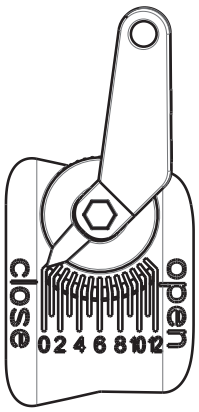
## Technical details

**The 13 stages of the adjustable air restrictor**

| Qv (Volume) [m³/h] | v (Velocity) [m/s] | Δp (Pressure Loss) [Pa] | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Pos. 0 | Pos. 1 | Pos. 2 | Pos. 3 | Pos. 4 | Pos. 5 | Pos. 6 | Pos. 7 | Pos. 8 | Pos. 9 | Pos. 10 | Pos. 11 | Pos. 12 |
| 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 |
| 5,0 | 0,3 | 23,1 | 16,4 | 5,3 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 |
| 10,0 | 0,6 | 50,6 | 38,2 | 16,0 | 2,8 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 |
| 15,0 | 0,9 | 82,8 | 65,4 | 32,1 | 10,2 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 |
| 20,0 | 1,3 | 119,4 | 98,1 | 53,6 | 21,6 | 5,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 |
| 25,0 | 1,6 | 160,6 | 136,1 | 80,4 | 36,9 | 13,0 | 1,6 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 |
| 30,0 | 1,9 | 206,3 | 179,6 | 112,7 | 56,2 | 23,8 | 7,1 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 |
| 35,0 | 2,2 | 256,6 | 228,5 | 150,3 | 79,5 | 37,3 | 14,4 | 3,9 | 3,6 | 3,3 | 3,0 | 2,1 | 1,9 | 1,5 |
| 40,0 | 2,5 | 311,3 | 282,8 | 193,3 | 106,8 | 53,4 | 23,4 | 8,8 | 7,2 | 6,5 | 4,3 | 2,9 | 2,5 | 2,0 |
| 45,0 | 2,8 | 370,7 | 342,6 | 241,8 | 138,0 | 72,4 | 34,2 | 14,7 | 10,7 | 9,8 | 5,8 | 3,8 | 3,1 | 2,5 |
| 50,0 | 3,1 | 434,5 | 407,7 | 295,6 | 173,3 | 94,0 | 46,6 | 21,7 | 14,8 | 12,7 | 7,5 | 4,8 | 3,8 | 3,1 |
| 55,0 | 3,5 | 502,9 | 478,3 | 354,7 | 212,5 | 118,3 | 60,9 | 29,8 | 19,4 | 15,9 | 9,4 | 5,9 | 4,6 | 3,7 |
| 60,0 | 3,8 | 575,8 | 554,3 | 419,3 | 255,7 | 145,4 | 76,8 | 39,0 | 24,7 | 19,5 | 11,6 | 7,2 | 5,5 | 4,4 |
| 65,0 | 4,1 | 653,3 | 635,7 | 489,3 | 302,8 | 175,2 | 94,5 | 49,3 | 30,5 | 23,5 | 13,9 | 8,5 | 6,4 | 5,2 |
| 70,0 | 4,4 | 735,2 | 722,5 | 564,6 | 353,9 | 207,7 | 113,9 | 60,6 | 36,9 | 27,8 | 16,5 | 10,0 | 7,4 | 6,0 |
| 75,0 | 4,7 | 821,7 | 814,7 | 645,4 | 409,1 | 242,9 | 135,1 | 73,0 | 43,8 | 32,4 | 19,3 | 11,7 | 8,5 | 6,9 |
| 80,0 | 5,0 | 912,8 | 912,4 | 731,5 | 468,1 | 280,8 | 158,0 | 86,5 | 51,4 | 37,5 | 22,3 | 13,4 | 9,7 | 7,9 |

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