HAELIX

Elegant supply and extract valves

ubbink

Build smart.

Haelix

Performance and design in one

The Haelix valve is designed to give the final touch to any residential ventilation system. It comes in a timeless design and is available in both a round and square version. Installation is completely toolfree by simply inserting the valve into any market-standard 125mm ductwork adaptor. The border flange contributes to preventing dirt deposit on the plaster. The Haelix valve has a 9-stage flow restrictor to make small volume adjustments.

Features & benefits

- For both air supply and air extract applications
- Elegant and timeless design
- Round and square versions
- Plain installation
- Fan-shaped distributor for enhanced air distribution
- Low sound level
- Dirt deposit prevention flange
- 9-stage flow restrictor for minimum system adjustments

Advantages

Short-term and long-term Haelix advantages

- Design

The Haelix Rondo and Haelix Quadro have a universal design that fits anywhere.

- Flexibility

For air supply and air extract, suitable for installation on walls and ceilings.

- Adaptability

Adapt it with the Ubbink Air Excellent ductwork system or any other system that features 125 mm valve adaptors.

- Smart

Easy to place by inserting the EPDM seal-ring side into a valve adaptor, warranting a leakage free connection without the need of any tools.

- Innovation

The integrated fan-shaped air distributor ensures a enhanced air distribution to make maximum use of the Coanda effect.

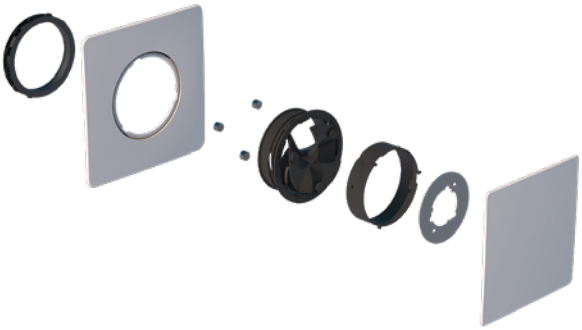
- Performance

An integrated 9-stage air restrictor to accommodate unforeseen system deviations due to installation changes and to create the highest compatibility with any other ventilation system.

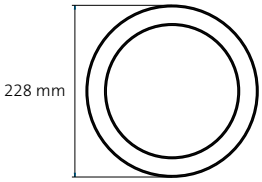
Technical Details

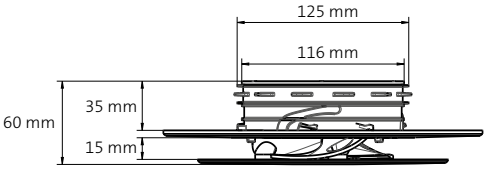
Specifications	
Material	
Border flange	Premium plastic material
Cover plate	Premium plastic material
Interior parts	PP
Fixing ring	EPDM
Other	
Color exterior parts	White – RAL 9016
Connection	DN125
Outflow range	360°
Maximum air volume	75m³/h

9-stage air restrictor

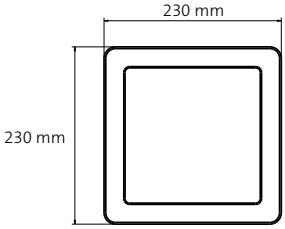


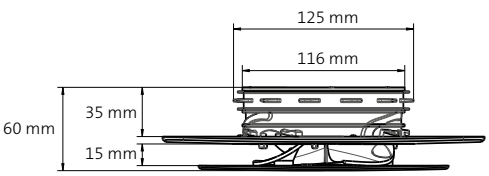
Dimensional drawings





Rondo





Quadro

Performance

The 9 stages of the Haelix valve – air supply

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
20,0	0,5	1,5	1,6	1,9	2,3	2,8	3,7	5,0	9,4	35,0
25,0	0,6	2,3	2,5	3,0	3,5	4,4	5,8	7,9	14,6	54,7
30,0	0,7	3,4	3,5	4,3	5,1	6,4	8,4	11,4	21,1	78,8
35,0	0,8	4,6	4,8	5,9	6,9	8,7	11,4	15,5	28,7	107,2
40,0	0,9	6,0	6,3	7,7	9,0	11,3	14,9	20,2	37,5	140,0
45,0	1,0	7,6	8,0	9,8	11,4	14,3	18,8	25,6	47,5	177,2
50,0	1,1	9,3	9,8	12,1	14,1	17,7	23,2	31,6	58,6	218,8
55,0	1,2	11,3	11,9	14,6	17,1	21,4	28,1	38,2	70,9	264,7
60,0	1,4	13,5	14,1	17,4	20,4	25,4	33,4	45,4	84,4	315,0
65,0	1,5	15,8	16,6	20,4	23,9	29,9	39,2	53,3	99,0	369,7
70,0	1,6	18,3	19,2	23,6	27,7	34,6	45,5	61,9	114,8	428,8
75,0	1,7	21,0	22,1	27,1	31,8	39,7	52,2	71,0	131,8	492,2

The 9 stages of the Haelix valve – air extract

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
20,0	0,5	1,5	1,6	1,8	2,2	2,5	3,3	4,5	8,1	26,6
25,0	0,6	2,4	2,4	2,8	3,4	3,9	5,2	7,0	12,6	41,6
30,0	0,7	3,4	3,5	4,1	4,9	5,6	7,4	10,0	18,1	59,8
35,0	0,8	4,7	4,8	5,6	6,6	7,7	10,1	13,6	24,7	81,4
40,0	0,9	6,1	6,3	7,3	8,7	10,0	13,2	17,8	32,2	106,4
45,0	1,0	7,7	7,9	9,2	11,0	12,7	16,7	22,5	40,8	134,6
50,0	1,1	9,6	9,8	11,3	13,6	15,7	20,6	27,8	50,4	166,2
55,0	1,2	11,6	11,8	13,7	16,4	18,9	25,0	33,7	60,9	201,1
60,0	1,4	13,8	14,1	16,3	19,5	22,5	29,7	40,1	72,5	239,3
65,0	1,5	16,2	16,5	19,2	22,9	26,5	34,9	47,0	85,1	280,9
70,0	1,6	18,7	19,2	22,2	26,6	30,7	40,4	54,5	98,7	325,8
75,0	1,7	21,5	22,0	25,5	30,5	35,2	46,4	62,6	113,3	374,0

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ENERGY

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BUILDING

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