Flexible ducts Air Excellent type UAE-FLEX

Flexible duct in 100% pure PE for use in the Air Excellent system

Brand

- Ubbink

Application

- Insures the connection between the air distribution box **UDB** and the valve adapter **UAE-VA** or **UAE-FGA**
- The flexible ducts **UAE-FLEX** can be connected to the air distribution box **UDB**
- For use in cement floors, concrete, hollow walls and lowered ceilings within new build constructions and renovations

Specifications

- Temperature resistance: -20 ° C to + 60 ° C
- Airtightness class: class D
- Pressure class: -2000Pa to + 2000Pa
- Antistatic: resistance surface <1012 Ohm
- Bacterial resistance: 99.99% over 72h
- Pressure load on the channel: 200 mm concrete

Composition

- Double-walled flexible duct made from 100% PE
- Inner side made of smooth PE, antistatic and antibacterial treated
- Outer side composed by ribbed green PE
- No release of harmful particles

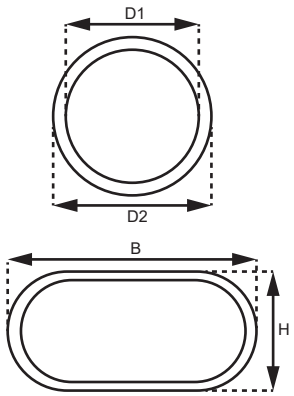
Accessories

- Sealing ring, type **UAE-DR** (UAE-FLEX 62/23, UAE-FLEX 75/34, UAE-FLEX 90/48)
- Click ring, type **UAE-CR** (UAE-FLEX62 / 23, UAE-FLEX 75/34, UAE-FLEX 90/48, UAE-FLEX 60x130 / 55, UAE-FLEX 50x100 / 35, UAE-FLEX 50x140/45)
- Bends 90°, type **UAE-BD90-K**
- Connection pieces, type **UAE-MDM-K**

Technical data															
Q [m³/h]	Number of flexibels	UAE 62/23				UAE 75/34		UAE 90/48		UAE 50x100/35		UAE 50x140/45		UAE 60x130/55	
		1	2	3	4	1	2	1	2	1	2	1	2	1	2
5	V [m/s]	0.5										0.3	0.2		
	Ps/m [Pa]	0.1										0.1	0		
10	V [m/s]	1.3				1				0.4		0.6	0.3		
	Ps/m [Pa]	0.5				0.2				0.4		0.2	0.1		
15	V [m/s]	2	1			1.4		0.9		1.5		1	0.5		
	Ps/m [Pa]	1.6	0.3			0.6		0.2		1.3		0.4	0.1		
20	V [m/s]	2.6	1.3			1.9	0.9	1.2		1.9	0.9	1.3	0.6		
	Ps/m [Pa]	2.9	0.5			1.2	0.2	0.4		1.7	0.4	0.6	0.2		
25	V [m/s]	3.2	1.6	1.1		2.5	1.1	1.5	0.7	2.2	1.1	1.6	0.8		
	Ps/m [Pa]	4.5	1	0.3		2	0.4	0.6	0.1	2.3	0.6	0.8	0.3	0.7	
30	V [m/s]		2	1.3	1	2.6	1.3	1.9	0.9	2.7	1.3	1.9	1		
	Ps/m [Pa]		1.6	0.6	0.3	2.9	0.6	0.9	0.2	3.1	0.8	1	0.4	0.9	
35	V [m/s]		2.3	1.5	1.1	3.1	1.5	2.2	1.1	3.2	1.6	2.2	1.1		
	Ps/m [Pa]		2.1	0.8	0.5	4.1	0.9	1.3	0.3	3.9	1	1.3	0.5	1.2	0.4
40	V [m/s]		2.6	1.7	1.3	3.4	1.7	2.5	1.2	3.7	1.8	2.5	1.3	2	1
	Ps/m [Pa]		2.9	1.2	0.6	5.4	1.2	1.7	0.4	4.7	1.2	1.7	0.6	1.5	0.5
45	V [m/s]		3	1.9	1.5		2	2.8	1.4		2	2.9	1.4	2.2	1.1
	Ps/m [Pa]		3.8	1.5	0.8		1.6	2.2	0.5		1.5	2	0.7	1.8	0.6
50	V [m/s]		3.25	2.1	1.6		2.5	3.1	1.6		2.2	3.2	1.6	2.5	1.2
	Ps/m [Pa]		4.5	1.9	1		2	2.7	0.6		1.8	2.4	0.8	2.1	0.7
55	V [m/s]		3.6	2.4	1.8		2.5	3.4	1.7		2.5	3.5	1.7	2.8	1.4
	Ps/m [Pa]		5.3	2.3	1.3		2.4	3.3	0.8		2.1	2.9	0.9	2.5	0.8
60	V [m/s]			2.6	1.9		2.7		1.9		2.7	3.8	1.9	3.1	1.5
	Ps/m [Pa]			2.8	1.6		2.9		0.9		2.4		1	2.9	0.9
65	V [m/s]			2.8	2.1		2.8		2		3		2.1	3.2	1.6
	Ps/m [Pa]			3.2	1.8		3.5		1.1		2.7		1.2	3.3	1.1
70	V [m/s]			3	2.3		3.1		2.2		3.2		2.2	3.6	1.8
	Ps/m [Pa]			3.8	2		3.8		1.3		3.1		1.3	3.8	1.2
75	V [m/s]			3.25	2.5		3.3		2.3		3.4		2.4		2
	Ps/m [Pa]			4.5	2.6		4.1		1.5		3.5		1.5		1.3

Symbols and specifications

- Q [m³/h] = Air flow in m³/h
- V [m/s] = Air speed in meter per second
- Ps/m [Pa] = Pressure loss per meter in Pascal



Dimensions - circular		
	ØD1 [mm]	ØD2 [mm]
UAE-FLEX 62/23	52	63
UAE-FLEX 75/34	63	75
UAE-FLEX 90/48	75	90

Dimensions - semi-circular		
	B [mm]	H [mm]
UAE-FLEX 50X100/35	102	50
UAE-FLEX 50X140/45	140	50
UAE-FLEX 60X130/55	132	60