TECHNICAL DATA

The calculation of the ventilation system and selection of fittings must be based on local construction norms.*

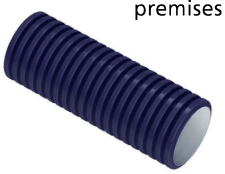
		Air flow rate [m³/h]	Air exchange rate per hour
total flat		–	0.4 – 1
per one person		30	–
bathrooms, WC	any ventilation period	60	–
	ventilation period > 12 hours	45	–
toilet	any ventilation period	30	–
	ventilation period > 12 hours	25	–
kitchen	any ventilation period	60	–
	ventilation period > 12 hours	45	–

* recommended air exchange rate for residential buildings in compliance with DIN 1964.6 and DIN 18017.3

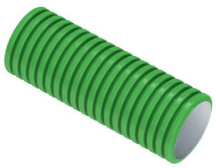
DUCTS AND ACCESSORIES

ROUND AIR DUCT
BLAUFAST RK 63/50
BLAUFAST RK 75/50

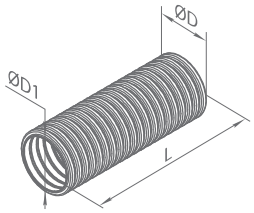
For supply and exhaust systems in residential premises.

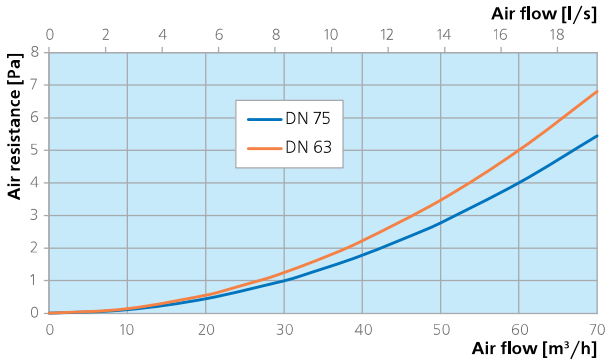


ROUND ANTIBACTERIAL AND ANTISTATIC AIR DUCT
BLAUFAST RK 63/50 01
BLAUFAST RK 75/50 01



ROUND ANTISTATIC AIR DUCT
BLAUFAST RK 63/50 02
BLAUFAST RK 75/50 02





- Made of high-density polyethylene (HDPE).
- Circular density 8 kN/m² in compliance with EN ISO 9969.
- Smooth inner surface for low air resistance and easy cleaning.
- Operation temperature from -20 up to +60 °C.

	Model	Bend radius [mm]	ØD [mm]	ØD1 [mm]	L [m]
DN63	BlauFast RK 63/50	130	63	51.3	50
DN75	BlauFast RK 75/50	150	75	63.3	50
DN63	BlauFast RK 63/50 01	130	63	51.3	50
DN75	BlauFast RK 75/50 01	150	75	63.3	50
DN63	BlauFast RK 63/50 02	130	63	51.3	50
DN75	BlauFast RK 75/50 02	150	75	63.3	50

Nominal air duct diameter		**DN63**			**DN75**		
Air speed [m/s]		**2**	**2.5**	**3**	**2**	**2.5**	**3**
1 air duct - air flow [m³/h]		15	18	22	22	28	34
2 air ducts - air flow [m³/h]		29	37	44	45	56	67
3 air ducts - air flow [m³/h]		44	55	66	-	-	-
		Air resistance in the air duct [Pa]					
Air duct length [m]	**2**	0.6	0.9	1.3	1.1	1.7	2.6
	4	1.3	1.8	2.7	2.2	3.5	5.1
	6	1.9	2.7	4.0	3.2	5.2	7.7
	8	2.5	3.6	5.4	4.3	7.0	10.3
	10	3.1	4.5	6.7	5.4	8.7	12.8
	12	3.8	5.4	8.1	6.5	10.5	15.4
	14	4.4	6.3	9.4	7.5	12.2	18.0
	16	5.0	7.2	10.8	8.6	13.9	20.6
	18	5.6	8.1	12.1	9.7	15.7	23.1