

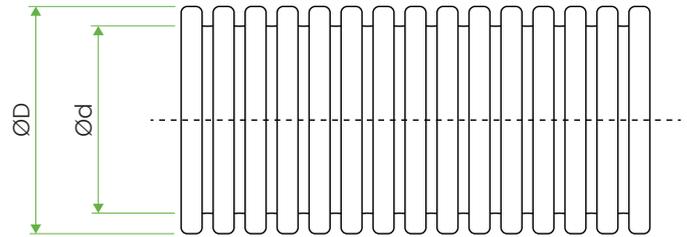


Description:

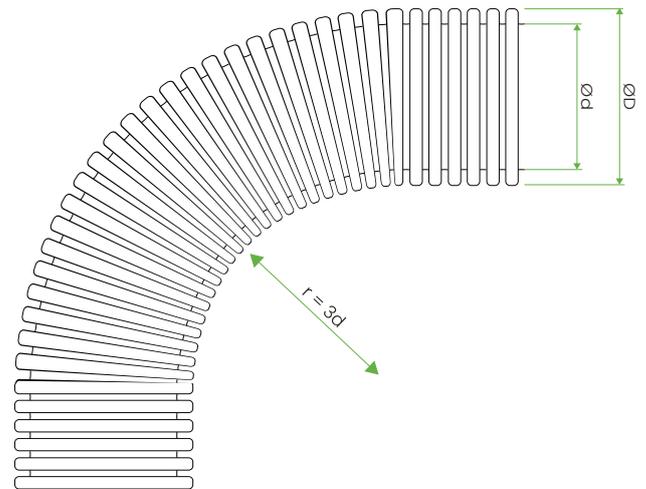
PEFLEX air ducts are made from first-grade HDPE and are available in outer diameters of $\varnothing 50$, $\varnothing 75$, or $\varnothing 90$ mm. Manufactured from the highest quality materials, they feature a smooth inner layer that ensures hygiene through antistatic, antibacterial, and antifungal properties.

PEFLEX flexible air ducts are designed for the transport of supply and exhaust air in mechanical ventilation systems with heat recovery (HRV) in residential buildings.

Dimensions:



Bending radius of a round duct



Technical features:

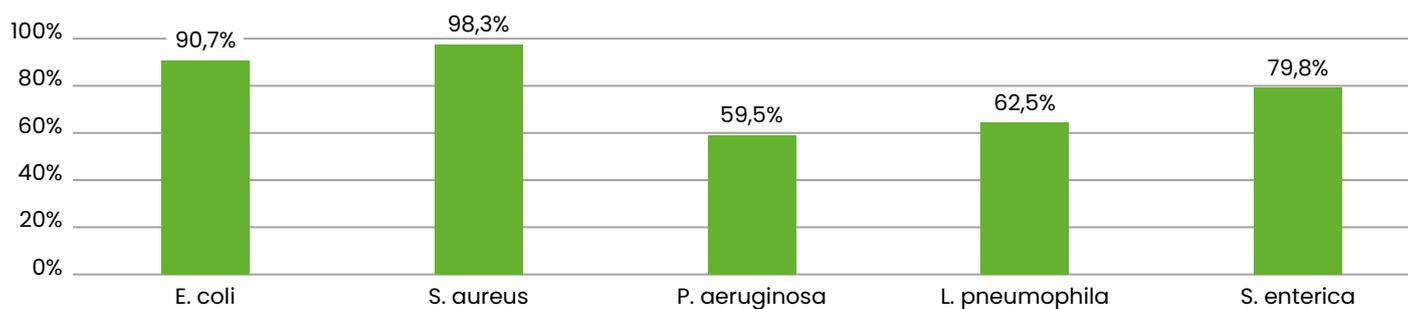
	PEFLEX 50	PEFLEX 75	PEFLEX 90
Outer duct diameter $\varnothing D$	$\varnothing 50$	$\varnothing 75$	$\varnothing 90$
Inner duct diameter $\varnothing d$	$\varnothing 40$	$\varnothing 61$	$\varnothing 75$
Coil length [m]	20 / 100	15 / 50	40
Transport coil dimensions (diameter × height) [cm]	120x120x38	120x120x46	120x120x46
Weight [kg]	20 m - 3,6 / 100 m -17,1	15 m -4,8 / 50 m - 15,2	15,3
Operating temperature range [°C]	-15 +50		
Compression resistance (PN-EN 61386-24)	min. 500N		
Impact resistance (PN-EN 61386-24)	Normal (N)		
Fire reaction class	D-s2, d2 (PN-EN 13501-1)		
Minimum bending radius	3 x DN [mm] according to EN 13180		
Material (outer layer)	High-density polyethylene (HDPE), green color (PEFLEX marking)		
Material (inner layer)	Low-density polyethylene (LDPE) with antibacterial, antifungal and antistatic additives, transparent color		

Technical Data:

Diameter									
Ø50				Ø75			Ø90		
Air velocity (m/s)	Airflow		Pressure drop per meter	Airflow		Pressure drop per meter	Airflow		Pressure drop per meter
	m ³ /h	l/s		m ³ /h	l/s		m ³ /h	l/s	
0,5	2,3	0,6371	0,2	5,6	1,5512	0,1	7,5	2,0775	0,1
1	4,5	1,2465	0,6	10,5	2,9085	0,4	15	4,155	0,3
1,5	6,8	1,8836	1,3	15,5	4,2935	0,8	23	6,317	0,6
2	9	2,493	2,2	21	5,617	1,3	31	8,587	1
2,5	11	3,047	3,3	26	7,202	1,9	39	10,803	1,5
3	13	3,601	4,5	32	8,864	2,6	47	13,019	2,3
3,5	15	4,155	6	37	10,249	3,6	55	15,235	2,7
4	18	4,986	7,5	42	11,634	4,4	63	17,451	3,4

Microbiological Resistance:

Bacteria reduction in PEFLEX Standard ducts



Fungal growth resistance – PEFLEX Standard

