

## Technical Data Sheet KLIMAFLEX SB 75

**Description and application:** KLIMAFLEX SB flexible plastic pipe is designed for air distribution and heat recovery ventilation systems. The ends of the coils are fitted with a plug to prevent dirt getting into the pipe.

### Profile cross-section:

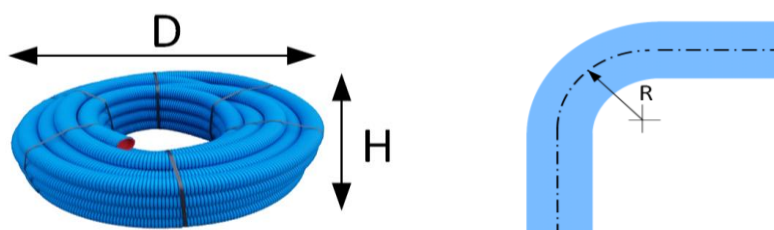


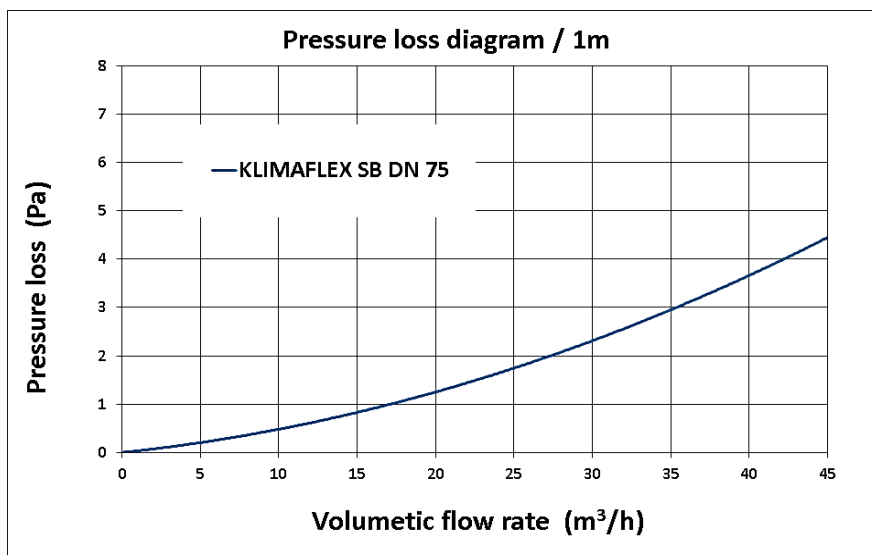
**Material:** Inner wall - made of HDPE and treated with a protective antibacterial and anti-fungal finish. Smooth inner wall, assuring perfect air transport and low pressure loss. Outer wall made from HDPE.

**Legislations:** Production is certified in accordance with ČSN EN ISO 9001:2009. Input materials do not contain hazardous substances in accordance with Regulation (EC) No. 1907/2006 (REACH) and are in accordance with Directive 2011/65/EU (ROHS) on the content of lead, cadmium, mercury and hexavalent chromium, polybrominated biphenyls (PBB) and polybrominated diphenyl ethers (PBDE). Hygiene assessment of KLIMAFLEX SB plastic HVAC pipes of National Institute of Public Health, Šrobárova 42, 100 42 Praha 10, Czech Republic.

Variable	Value	Unit	Measurement standard or conditions
Outer dimension (OD)	75 <sup>+1,4/-1,0</sup>	mm	
Inner dimension (ID)	59 - 62	mm	
Coil length (L)	50±0,5	m	
Weight*	300	g/m	
Packaging	PE sheet		
Bend radius	0,29	m	See picture below
Fire reaction class	E		ČSN EN 13501-1:2010
Compression resistance	min 450/200	N/mm	ČSN EN 61386-24:2011
VOC analysis	< 0,01	mg/m <sup>3</sup>	ČSN EN ISO 16000-11, ISO 16000-6, ISO 16000-3,
Evaluation fungi and bacteria	A, B+B', C	/	ČSN EN ISO 846:98
Storage temperature	-40 to +60	°C	
Handling temperature	-5 to +50	°C	
Operating temperature	-20 to +50	°C	
Packaging size *	1,15 x 0,40	m	D x H see picture below
Expected lifetime	25 years		
Warranty	See terms and conditions		

\* Informative values





Pipe	Volumetric flow rate (m <sup>3</sup> /h)		
	Flow velocity		
	2 (m/s)	2,5 (m/s)	3 (m/s)
	21,0	26,3	31,6
	42,0	52,6	62,2
	63,0	78,9	94,8

**Standard marking:**

\*product code\* DATE \*

**Storage :**

We recommend storing in a horizontal position to a height of max. 2 m, for max. 3 months. Must be protected from direct sunlight. Necessary to avoid mechanical damage and deformation of the plastic pipe. Can be delivered on a wooden pallet 120 x 120 (cm).

**Production quality:**

Production is certified in accordance with ČSN EN ISO 9001:2009. Quality control is monitored in accordance with internal document KP 12/17.

**Colour scheme:**

Outer wall - blue or green (according to customer's requirements).  
Inner wall - white or grey (according to customer's requirements).