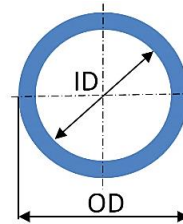


**Technical Sheet**  
**KLIMAFLEX SB DN 75**

**Description and use:**

- KLIMAFLEX SB flexible plastic duct is designed for air distribution and recuperation systems. The ends of the rolls are fitted with caps to prevent dirt from entering the ducts.



**Material:**

- The outer** profiled wall is made from primary PE-HD.
- The inner** smooth wall is made from primary PE-LD with the addition of anti-fungal and anti-bacterial additives, effective biocides 2-butyl-1,2-benzothiazol-3(2H)-one, CAS 4299-07-4 and thiabendazole (ISO), CAS 148-79-8.

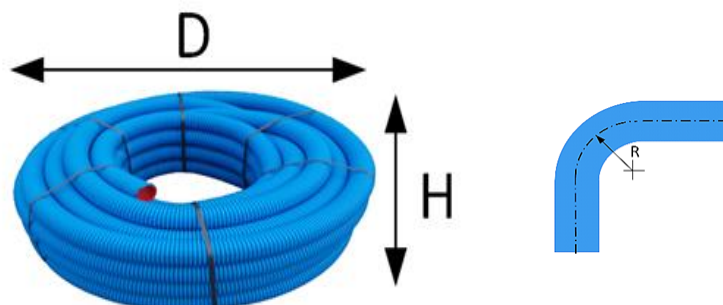
**Legislation:**

- The product is certified on the basis of government regulation No. 163/2002 Sb., as amended, by Authorised person No. 224.
- The input raw materials do not contain dangerous substances in accordance with regulation (EC) No. 1907/2006 (REACH) and comply with Regulation 2011/65/EU (RoHS).

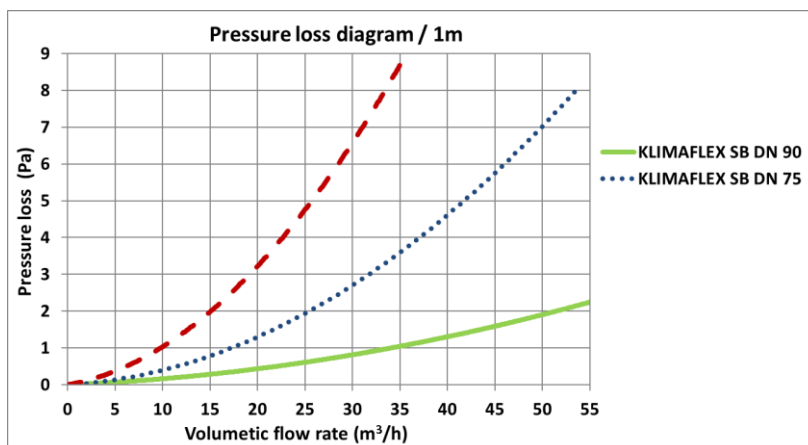
**Properties:**

Quantity	Value	Unit	Comment
Outer diameter (OD)	75 (+0,8)	mm	OD 75
Inner diameter (ID)	62(- 0,5)	mm	ID 62
Roll length (L)	50 ± 0,5	m	
Weight *	300	g/m	
Bending radius	0,29	m	ČSN EN 17192
Reaction to fire class	E	/	ČSN EN 13501-1
Ring stiffness	10	kN/m <sup>2</sup>	ČSN EN ISO 9969
Resistance to external pressure min.	200	N	ČSN EN 17192, 3%,200mm,2mm/min
Evaluation of the action of microorganism	A / B / C	/	ČSN EN ISO 846
Air tightness class	D, ATC 2	m <sup>3</sup> · s <sup>-1</sup> · m <sup>-2</sup>	ČSN EN 17192
Operating pressure range	-500/+500	Pa	ČSN EN 17192
Mechanical connection box	MC3	/	Sealing ring UVB-75, sealing tape
Mechanical connection connecting piece	MC2	/	Sealing ring UV-75
Installation / handling temperature	-5/+50	°C	
Operating temperature	-20/+50	°C	ČSN EN 17192, STL-20 to STH +50
Antistatic properties	1,0.10 <sup>14</sup>	Ω	ČSN IEC 93
Packaging dimensions *	1.145 x 0.385	m	D x H see picture
Warranty	See business terms		

\*informational value



## Pressure loss:



**Table: Volumetric flow rate/air flow velocity / number of ducts**

Number of ducts	Volumetric flow rate (m <sup>3</sup> /h) DN 75		
	Flow velocity		
	2 (m/s)	2,5 (m/s)	3 (m/s)
○	21,7	27,2	32,6
○ ○	43,4	54,4	65,2
○ ○ ○	65,1	81,6	97,8

## Manufacturing quality:

- Manufacture is certified according to ČSN EN ISO 9001/2016.
- Quality control is monitored according to internal document KP 12/17.

## Identification:

- \*identification of the manufacturer \*product code \* date of manufacture \*quantity (m) in packaging  
\*Information may be given on the caps on a label, by lettering on the tube, or a combination of both methods.

## Colour:

- Outer wall: blue
- Inner wall: white.

## Storage:

- We recommend storage in a horizontal position up to a height of max. 2.8 m, for max. 3 months.
- Storage temperature -40/+60 (°C).
- Must be protected from direct sunlight.
- Prevent any mechanical damage when handling the ducts. Check the end cap on both ends of the ducts, it must not fall out during handling.
- Dimensions of the standard packaging see picture.



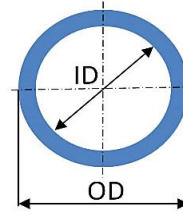
## Recommendations:

- Recommended air velocity up to 3m/s.
- Distance between duct fixation elements max. 1m.
- Just before fitting the ducts, remove the end caps. All the free ends of the ducts must be protected from dust or other contamination during installation.

**Technical Sheet**  
**KLIMAFLEX SB DN 90**

**Description and use:**

- KLIMAFLEX SB flexible plastic duct is designed for air distribution and recuperation systems. The ends of the rolls are fitted with caps to prevent dirt from entering the ducts.



**Material:**

- The outer** profiled wall is made from primary PE-HD.
- The inner** smooth wall is made from primary PE-LD with the addition of anti-fungal and anti-bacterial additives effective biocides 2-butyl-1,2-benzothiazol-3(2H)-one, CAS 4299-07-4 and thiabendazole (ISO), CAS 148-79-8.

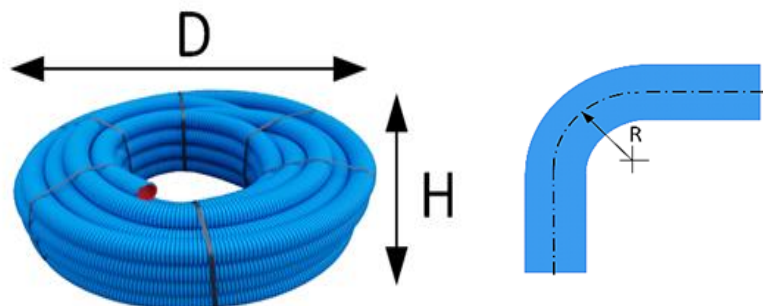
**Legislation:**

- The product is certified on the basis of government regulation No. 163/2002 Sb., as amended, by Authorised person No. 224.
- The input raw materials do not contain dangerous substances in accordance with regulation (EC) No. 1907/2006 (REACH) and comply with Regulation 2011/65/EU (RoHS).

**Properties:**

Quantity	Value	Unit	Comment
Outer diameter (OD)	90 +1,4/-1,0	mm	OD 90
Inner diameter (ID)	74,5 – 76,5	mm	ID 75
Roll length (L)	50 ± 0,5	m	
Weight *	400	g/m	
Bending radius	0,33	m	ČSN EN 17192
Reaction to fire class	E	/	ČSN EN 13501-1
Ring stiffness	10	kN/m <sup>2</sup>	ČSN EN ISO 9969
Resistance to external pressure min.	200	N	ČSN EN 17192, 3%,200 mm,2mm/min
Evaluation of the action of microorganism	A / B/ C	/	ČSN EN ISO 846
Air tightness class	D, ATC 2	m <sup>3</sup> · s <sup>-1</sup> · m <sup>-2</sup>	ČSN EN 17192
Operating pressure range	-500/+500	Pa	ČSN EN 17192
Mechanical connection box	MC3	/	Sealing ring UVB-90, sealing tape
Mechanical connection connecting piece	MC2	/	Sealing ring UV-90
Installation / handling temperature	-5/+50	°C	
Operating temperature	-20/+50	°C	ČSN EN 17192, STL-20 to STH +50
Antistatic properties	1,0.10 <sup>14</sup>	Ω	ČSN IEC 93
Packaging dimensions *	1.33 x 0.4	m	D x H see picture
Warranty	See business terms		

\*informational value



## Pressure loss:

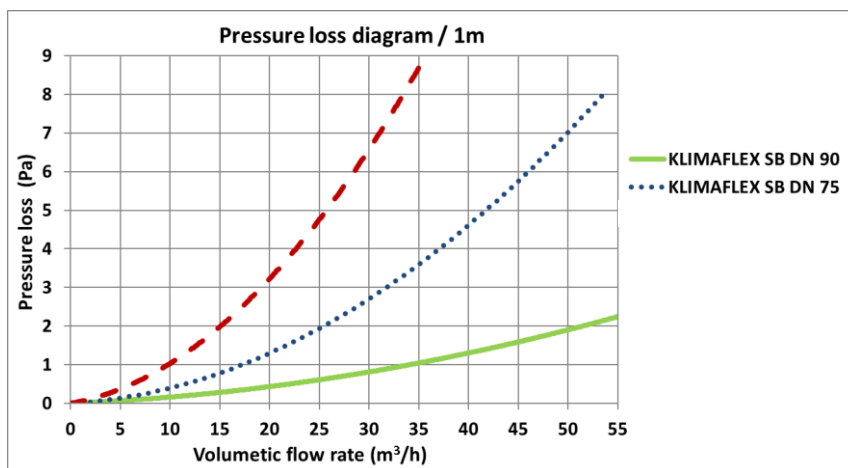





Table: Volumetric flow rate/air flow velocity / number of ducts

Volumetric flow rate (m <sup>3</sup> /h) DN 90			
Number of ducts	Flow velocity		
	2 (m/s)	2,5 (m/s)	3 (m/s)
	31,8	39,8	47,7
	63,6	79,6	95,4
	95,4	119,4	143,1

## Manufacturing quality:

- Manufacture is certified according to ČSN EN ISO 9001/2016.
- Quality control is monitored according to internal document KP 12/17.

## Identification:

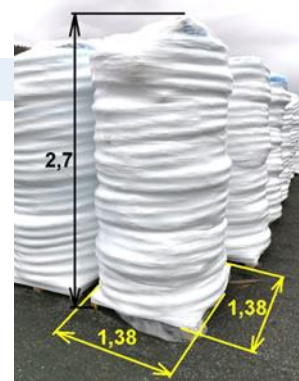
- \*identification of the manufacturer \*product code \* date of manufacture \*quantity (m) in packaging  
\*Information may be given on the caps on a label, by lettering on the tube, or a combination of both methods.

## Colour:

- Outer wall: blue.
- Inner wall: white.

## Storage:

- We recommend storage in a horizontal position up to a height of max. 2.7 m, for max. 3 months.
- Storage temperature -40/+60 (°C).
- Must be protected from direct sunlight.
- Prevent any mechanical damage when handling the ducts. Check the end cap on both ends of the ducts, it must not fall out during handling.
- Dimensions of the standard packaging see picture.



## Recommendations:

- Recommended air velocity up to 3m/s.
- Distance between duct fixation elements max. 1m.
- Just before fitting the ducts, remove the end caps. All the free ends of the ducts must be protected from dust or other contamination during installation.