



Economical, safe, hygienic and easy: Systemair FLEX⁺ is absolutely airtight – nothing gets out and nothing gets in. Thanks to the small pipe diameter and the 'click' system, the FLEX⁺ system can be laid quickly, compactly and flexibly. Good for the environment and good for the user: The pipe is manufactured from physiologically and toxicologically safe plastic with no recycled materials. This ensures that the pipe is not only odour-neutral, but halogen and emission free.

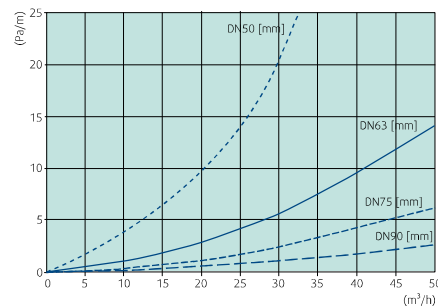


Features of SystemairFLEX⁺ – characteristics and advantages at a glance




- Material: PE without recycled material
- Operating temperature: -20 °C to +60 °C
- Ring stiffness: 8 kN/m²
- Fire protection class: DIN EN 13501-1

Air pipe	Outside Ø [mm]	Inside Ø [mm]	Max. internal corrugation [mm]	Bending radius [m]
DN 50	51	41	0.4	0.15
DN 63	64	54	0.5	0.15
DN 75	76	64	0.6	0.15
DN 90	91	78	0.7	0.15

Pressure loss



Pressure loss

DN 50				DN 63			DN 75			DN 90			
Flow rate in m³/h approx.:													
	2 m/s	2,5 m/s	3 m/s	2m/s	2,5 m/s	3 m/s	2m/s	2,5 m/s	3 m/s	2m/s	2,5 m/s	3 m/s	
 1 pipe	10 m³/h	12,5 m³/h	15 m³/h	15 m³/h	20 m³/h	25 m³/h	22 m³/h	28 m³/h	34 m³/h	34 m³/h	42 m³/h	51 m³/h	
 2 pipes	20 m³/h	25 m³/h	30 m³/h	30 m³/h	40 m³/h	50 m³/h	44 m³/h	56 m³/h	68 m³/h	68 m³/h	84 m³/h	102 m³/h	
 3 pipes	30 m³/h	37,5 m³/h	45 m³/h	45 m³/h	60 m³/h	75 m³/h	-	-	-	-	-	-	
Pipe length (m)		2 m/s	2,5 m/s	3 m/s	2 m/s	2,5 m/s	3 m/s	2 m/s	2,5 m/s	3 m/s	2 m/s	2,5 m/s	3 m/s
	2	7,6	10,0	12,6	4,0	5,6	8,4	2,6	4,0	6,0	2,6	4,0	5,4
	4	15,2	20,0	25,2	8,0	11,2	16,8	5,2	8,0	12,0	5,2	8,0	10,8
	6	22,8	30,0	37,8	12,0	16,8	25,2	7,8	12,0	18,0	7,8	12,0	16,2
	8	30,4	40,0	50,4	16,0	22,4	33,6	10,4	16,0	24,0	10,4	16,0	21,6
	10	38,0	50,0	63,0	20,0	28,0	42,0	13,0	20,0	30,0	13,0	20,0	27,0
	12	45,6	60,0	-	24,0	33,6	50,4	15,6	24,0	36,0	15,6	24,0	32,4
	14	53,2	-	-	28,0	39,2	58,8	18,2	28,0	42,0	18,2	28,0	37,8
	16	60,8	-	-	32,0	44,8	-	20,8	32,0	48,0	20,8	32,0	43,2
18	-	-	-	36,0	50,4	-	23,4	36,0	54,0	23,4	36,0	48,6	



Flexible plastic pipe on 50 m roll.

FLEX+ FR	Item No.	DN
50	309462	DN 50
63	309461	DN 63
75	310975	DN 75
90	310976	DN 90

FLEX+ RI



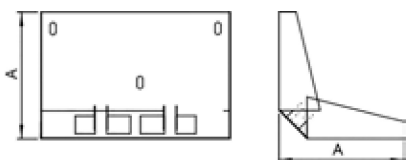
Pipe insulation with an insulation thickness of 13 mm. Delivered in 2 m lengths.

FLEX+ RI	Item No.	DN
50/60 m	310988	DN 50
63/48 m	310989	DN 63
75/40 m	310990	DN 75
90/26 m	314302	DN 90

FLEX+ BS

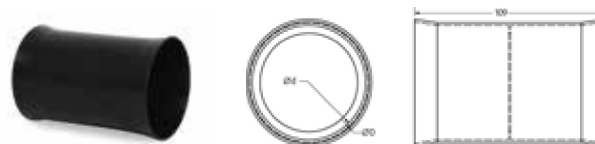


Galvanised sheet steel angle bracket. For bending FLEX+ pipes. Supplied with cable ties.



FLEX+ BS	Item No.	DN	A
90°/1xDN63	79869	DN 63 - 1 pipe	153
90°/3xDN63	79869	DN 63 - 3 pipes	153
90°/2xDN75	79869	DN 75 - 2 pipes	189
90°/1xDN90	79869	DN 90 - 1 pipe	226

FLEX+ RV



Plastic pipe connection for connecting FLEX+ pipes. Incl. 2 sealing rings.

FLEX+ RV	Item No.	DN	Ø d mm	Ø D mm
50	309468	DN 50	-	-
63	309467	DN 63	65	72
75	310991	DN 75	77	84
90	310992	DN 90	92	100

FLEX+ RS



Pipe cutter for cutting FLEX+ FR plastic piping. Replacement blade Item No. 315245.

FLEX+ RS	Item No.	DN
50	310993	DN 50
63	309475	DN 63
75	310994	DN 75
90	310995	DN 90

FLEX+ US

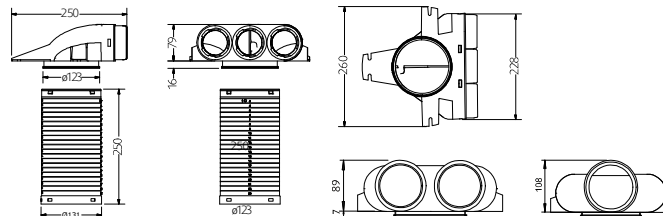


DN 63

DN 75

DN 90

Diverter from FLEX+ connections to ceiling valve. Supplied with end covers. Plastic.



FLEX+ US	Item No.	DN	Socket length*	Connections
3x63/125/230	313739	DN 63	230	3x DN 63 + 1x DN 125
2x75/125/230	313740	DN 75	230	2x DN 75 + 1x DN 125
1x90/125/230	313741	DN 90	230	1x DN 90 + 1x DN 125
2x90/125/230	313743	DN 90	230	2x DN 90 + 1x DN 125

* can be cut to length as required

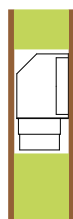
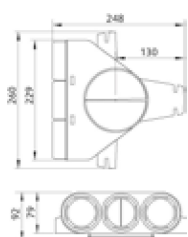
FLEX+ US



DN 63

DN 75

Diverter from FLEX+ connections to wall valve.
 Internal wall dimension min. 80 mm. Socket length 13 mm.
 Not suitable for installation in the floor.



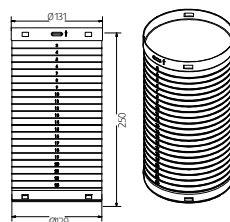
Installation example

FLEX ⁺ US	Item No.	DN	Socket length	Connections
3x63/125/13	311995	DN 63	13	3x DN 63 + 1x DN 125
2x75/125/13	313353	DN 75	13	2x DN 75 + 1x DN 125

FLEX⁺ extension socket



Extension socket for plastic diverter. Can be cut to length as required.



FLEX+ US	Item No.	Socket length
230	313742	230

FLEX⁺ Adapter

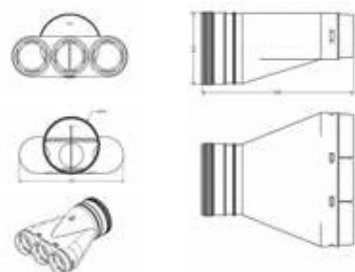


DN 63

DN 75

DN 90

Asymmetric adapters for transition from DN 125 to plastic FLEX⁺ connections. Rubber seals and end covers included.

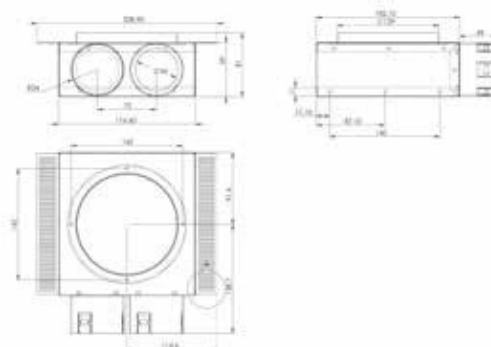


FLEX+ Adapter	Item No.	Connections
DN 125/3x63	312504	3x DN 63 + 1x DN 125
DN 125/2x75	312804	2x DN 75 + 1x DN 125
DN 125/1x90	312805	1x DN 90 + 1x DN 125

FLEX⁺ US-W

DN 63

Transition from FLEX+ connections to wall valve.
Internal wall dimension min. 70mm.



FLEX ⁺ US-W	Item No.	DN	Valve connection
3x63/125	314569	DN 63	DN 125

Plastic horizontal distributor for FLEX⁺ pipe systems. For distributing supply air or extract air.
Protective and end covers included.



4 connections



8 connections



12 connections



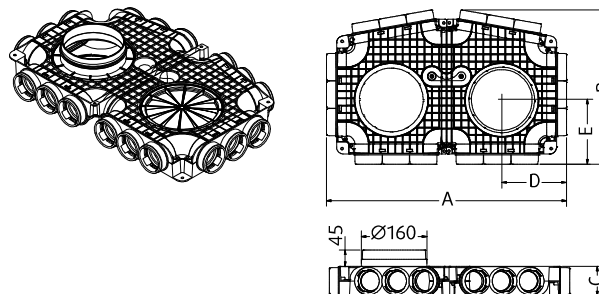
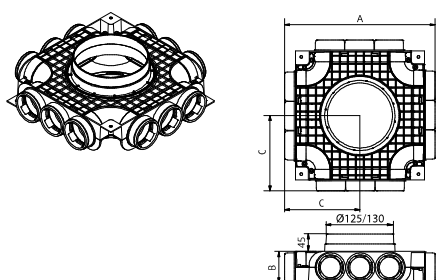
6 connections



12 connections



18 connections



FLEX ⁺ HV	12x DN 63/125	8x DN 75/125	-
Item No.	313531	37903	-
A	384	475	-
B	80	80	-
C	192	237.5	-
Connections	12x DN 63 + 1x DN 125	8x DN 75 + 1x DN 125	-

	12x DN 63/160	8x DN 75/160	4x DN 90/160
Item No.	312783	312796	37902
A	384	475	495
B	80	80	80
C	192	237.5	247.5
Connections	12x DN 63 + 1x DN 160	8x DN 75 + 1x DN 160	4x DN 90 + 1x DN 160

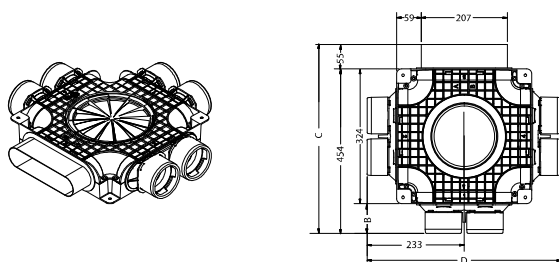
FLEX ⁺ HV	18x DN 63 / 160	12x DN 75 / 160	6x DN 90 / 160
Item No.	312798	312797	37905
A	655	742	755
B	420	504	509
C	177	220	227
F	80	80	80
G	80	89	110
Connections	18x DN 63 + 1x DN 160	12x DN 75 + 1x DN 160	6x DN 90 + 1x DN 160



9 connections



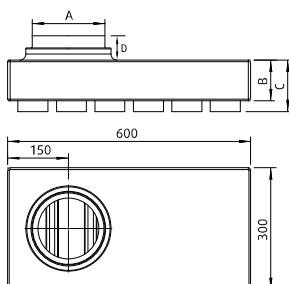
6 connections



FLEX ⁺ HV	9x DN 63 / Syst. 151	6x DN 75 / Syst. 151
Item No.	313518	37904
A	80	80
B	28	72
C	411	454
D	379	467
Connections	9 x DN 63 + 1x System 151	6 x DN 75 + 1x System 151



Plastic vertical distributor. End covers included.



FLEX+ VV	DN 63* - 18x63/180	DN 75** - 12x75/160
Item No.	309470	310977
A	180	160
B	105	105
C	130	205
D	50	variable
Connections	18 + 1x DN 180	12 + 1x DN 160

* connection sockets 3 cm

** connection sockets 12 cm

FLEX+ / OVAL+ socket



Ø125



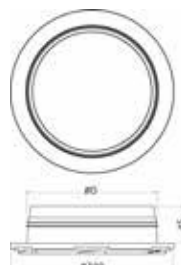
Ø160



Ø180

White plastic. For connecting the rising mains to the distributor, with turn-click system. Also fits for connection to the ISO+ grille or GEO.

The socket is supplied with a protective cover.

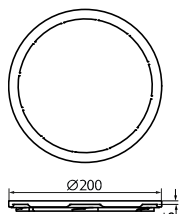


FLEX+/OVAL+ socket	Item No.	ØD
Socket 125	312803	125
Socket 160	312802	160
Socket 180	312801	180

FLEX+ / OVAL+ sealing cover



White plastic. For airtight closing of distributor openings, with turn-click system.

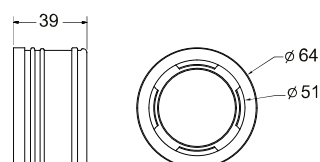


FLEX+/OVAL+ sealing cover	Item No.	DN
DN 200	312800	200

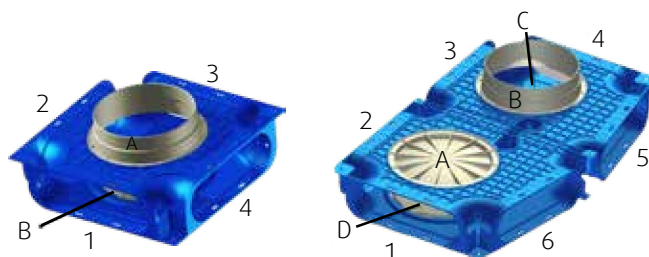
FLEX+ RED



Plastic transition piece for adapting DN 63 to DN 50, for installation in FLEX+ diverters and distributors.



FLEX+ RED	Item No.
63-50 mm	309466



Small distributor

Large distributor

Order reference

The variable distributor connections can be laid as desired. Some things must be selected very carefully when putting together the order reference. This is comprised of four parts and the codes in the table shown on the right.

Part 1 Floor installation or ceiling installation – especially important for connections 2x DN 75 (Code 7), 1x DN 90 (Code 9) and 2x DN 90 (Code 2). These nominal connection diameters extend beyond the distributor height. Therefore offset connection is possible. For ceiling installation – offset downwards and for floor installation – offset upwards. → Select B or D

Part 2 Then the desired side connections are specified (possible codes: 6, 7, 9, 2, D, K, W according to table on the right) for the sides (No. 1-4 or 1-6 according to figure above). The sequence on the distributor is numbered as shown in the figure above. The installation situation of the distributor must be considered when deciding upon locations. Then a point is placed in the order number.

Part 3 Then the position and nominal size of the supply line to the distributor and the sealing cover(s) must be specified. (Possible codes: 2, 6, 8, D) Small distributors each have one connection point on the upper and lower sides: (A and B). The large distributors each have 2 connection points on the upper and lower sides (A, B and C, D acc. above figure). The sockets and sealing covers (possible codes: 2, 6, 8, D) can be exchanged without problems.

Part 4 If, in addition, the distributor is to have an adapter on one of the side connections, the type of adapter must be stated (Code H or V). This is located in the order number after the "+". Therefore the coupling piece (Code K) is absolutely essential for Part 2. Otherwise, the order number will end already before the "+".

	Connections	Code*
	3x Ø 63 mm	6*
	2x Ø 75 mm	7*
	1x Ø 90 mm	9*
	2x Ø 90 mm	2*
	Sealing cover	D*
	Coupling piece	K*
	Oval connection, syst. 151	W*
	Socket Ø 125 mm	2
	Socket Ø 160 mm	6
	Socket Ø 180 mm	8
	Sealing cover Ø 200 mm	D
	Adapter, asymmetrical / Ø 125 mm	H*
	Adapter, 90° / Ø 125 mm	V*

* not available singly!

Order reference example

Small distributor	CFLEX ⁺ HV4:	D 7W6D . D2
Large distributor	CFLEX ⁺ HV6:	B 66D79K . 6DDD + V
Part 1: Installation:	Floor B Ceiling D	
Part 2: Side connections:	3x Ø 63 mm = 6 2x Ø 75 mm = 7 1x Ø 90 mm = 9 2x Ø 90 mm = 2 Cover = D Coupling = K Oval connection = W	
Part 3: Upper/lower connections:	Ø 125 = 2 Ø 160 = 6 Ø 180 = 8 Cover Ø 200 = D	
Part 4: Supply line from the side:	Vertical = V Horizontal = H	

Max. air volume

Ø 63	=	20 m ³ /h
Ø 75	=	30 m ³ /h
Ø 90	=	45 m ³ /h
Distributor	=	360 m ³ /h