

ARIASILENT LINK



The universal fittings for connecting the corrugated ducts to the accessories of the HRV system



AriaSilent Link

The AriaSilent Link fittings allow the combination of AriaSilent Tube corrugated ducts with the different system accessories (distribution box, grids holders, etc.).

The fittings are developed in compliance with the international standard UNI EN 17192: 2019 and classified ATC 1 at $\pm 2,000$ Pa.

They are equipped with double gaskets: the first is dedicated to the seal between the fitting and the corrugated pipe, while a second gasket guarantees the seal between the fitting and the distribution box / grids holder.

All fittings are supplied complete with 2 safety clips which, once positioned, prevent accidental disconnection between the corrugated pipe and the fitting itself.

AriaSilent Link fittings can all be equipped with a flow regulation valve.

Models

- AriaSilent Link 63 to be combined with the corrugated pipe with an external diameter of 63 mm
- AriaSilent Link 75 to be combined with the corrugated pipe external diameter 75 mm
- AriaSilent Link 90 to be combined with the corrugated tube external diameter 90 mm
- AriaSilent Link Compact 50 to be combined with the Compact 50 corrugated pipe with dimensions 50x102 mm
- AriaSilent Link Compact 55 to be combined with the Compact 55 corrugated pipe with dimensions 55x126 mm

Table: Characteristics AriaSilent Link fittings

Characteristics	
Fitting body material	PP + antibacterial and antistatic master
Sealing gaskets material	SBR
Fixing clips material	POM
Product standard	UNI EN 17192:2019
Application	Air supply
Air tightness class	ATC 1 at $\pm 2,000$ Pa
Stock temperature	Min -10° C Max +60° C
Using temperature	Min -5° C Max +60° C

Table: AriaSilent Link 63 dimensions


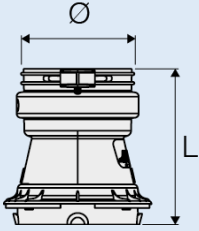
	
Ø [mm]	L [mm]
63	100

Table: AriaSilent Link 75 dimensions


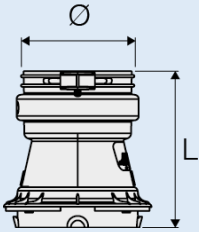
	
Ø [mm]	L [mm]
75	100

Table: AriaSilent Link 90 dimensions


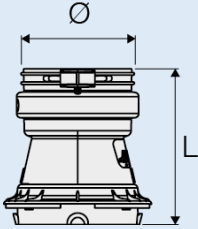
	
Ø [mm]	L [mm]
90	95

Table: AriaSilent Link Compact 50 dimensions


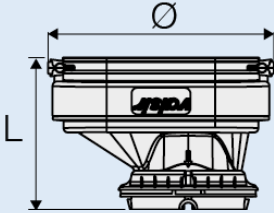
	
Ø [mm]	L [mm]
50x102	102

Table: AriaSilent Link Compact 55 dimensions


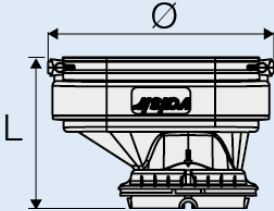
	
Ø [mm]	L [mm]
55x126	103

Table: AriaSilent Link Bend dimensions


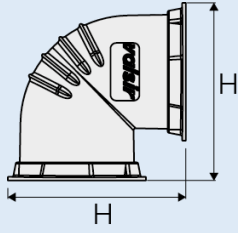
	
H [mm]	
123	

Table: AriaSilent Link Linear dimensions


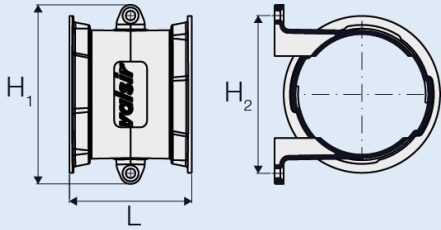
		
H₁ [mm]	H₂ [mm]	L [mm]
109	96	75

Table: AriaSilent Valve dimensions

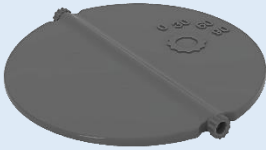
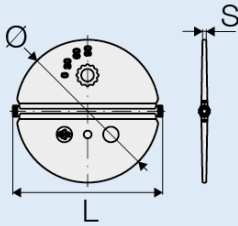
		
Ø [mm]	L [mm]	s [mm]
74	77	2

Table: AriaSilent Link 63 Pressure losses



Air flow rate [m ³ /h]	Pressure losses [Pa]
0	0,00
10	0,19
20	0,71
30	1,41
40	2,29
50	3,36
60	4,60

Figure: AriaSilent Link 63 Pressure losses

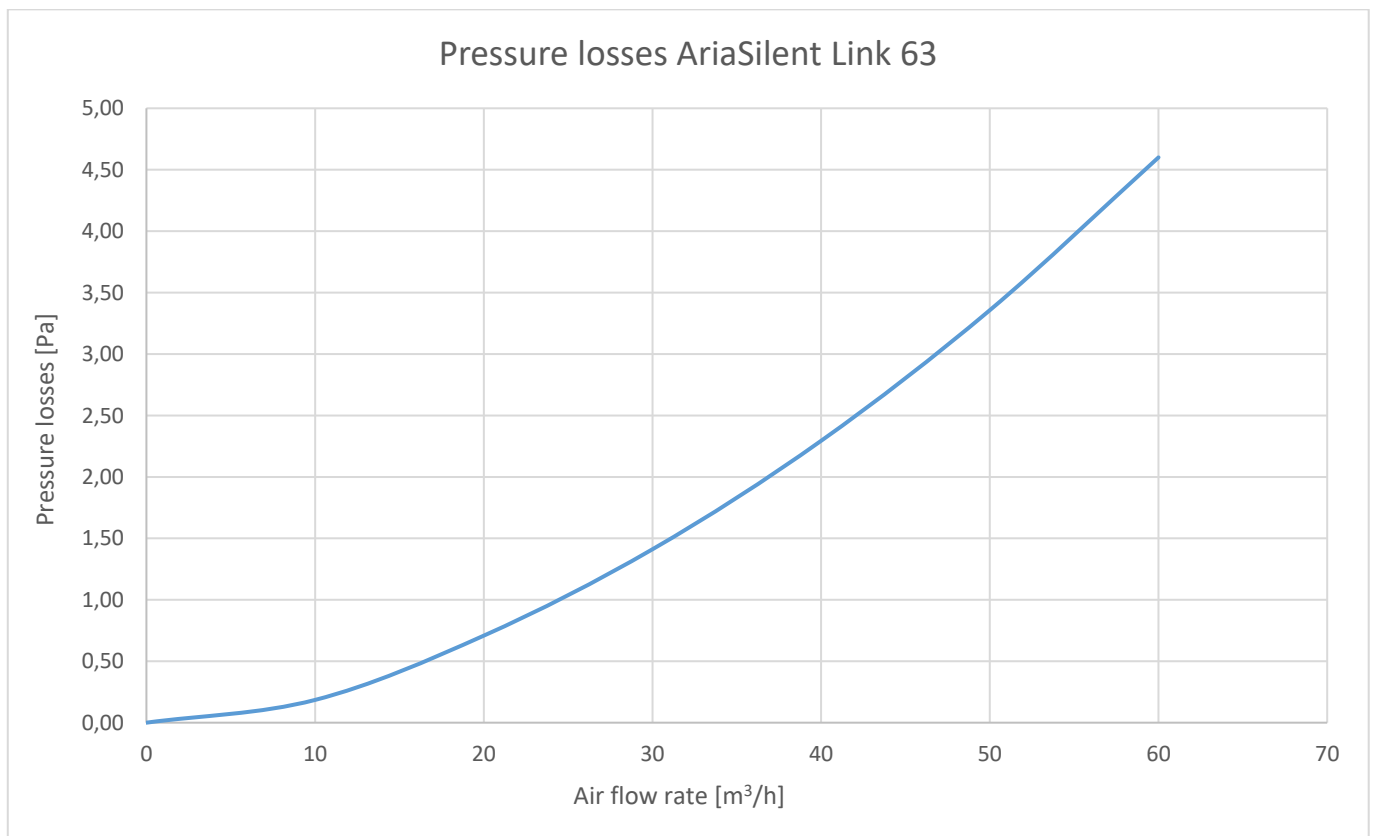


Table: Pressure losses AriaSilent Link 75



Air flow rate [m ³ /h]	Pressure losses [Pa]
0	0,00
10	0,08
20	0,22
30	0,40
40	0,63
50	0,89
60	1,20

Figure: Pressure losses AriaSilent Link 75

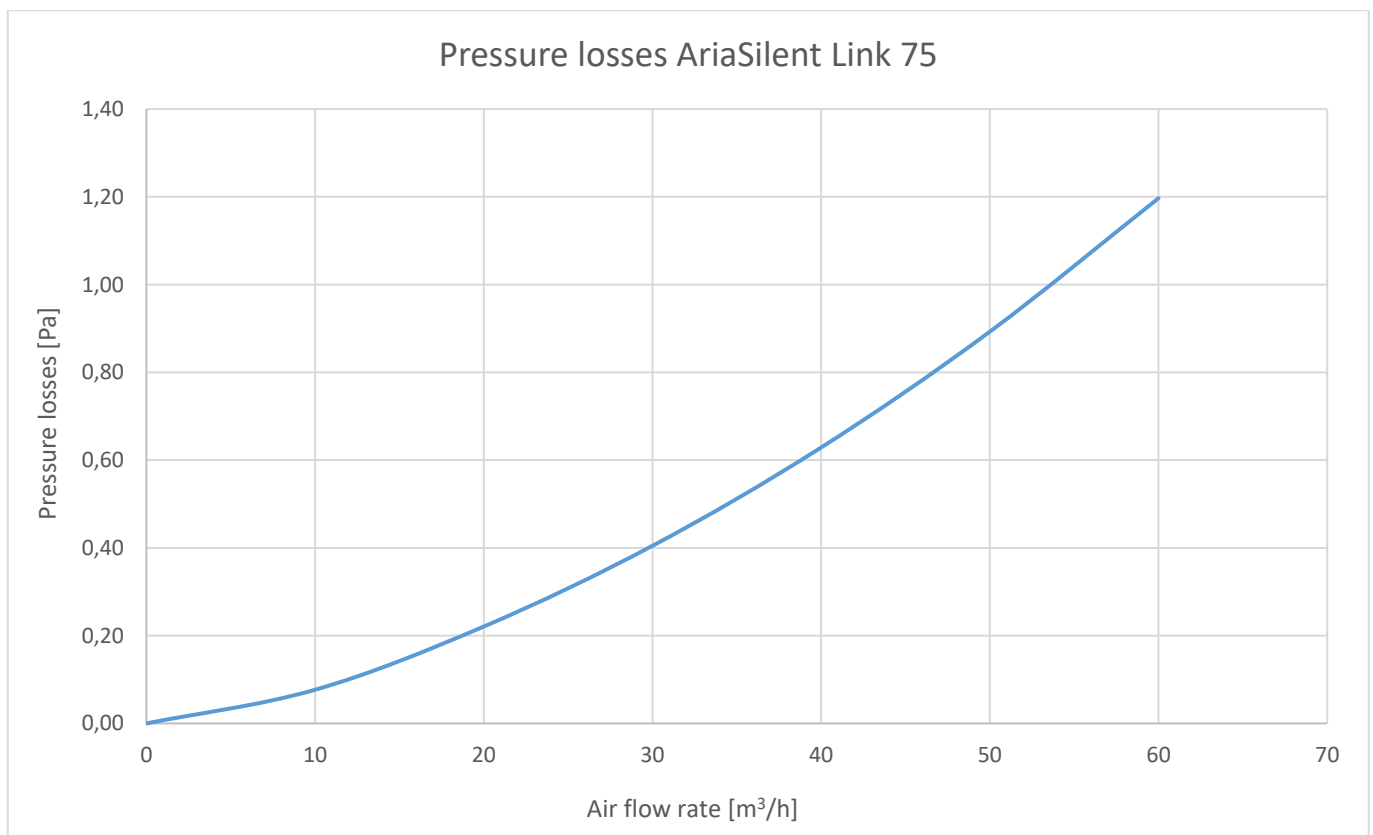


Table: Pressure losses AriaSilent Link 90



Air flow rate [m ³ /h]	Pressure losses [Pa]
0	0,00
10	0,03
20	0,07
30	0,15
40	0,27
50	0,42
60	0,62
70	0,86
80	1,14
90	1,46

Figure: Pressure losses AriaSilent Link 90

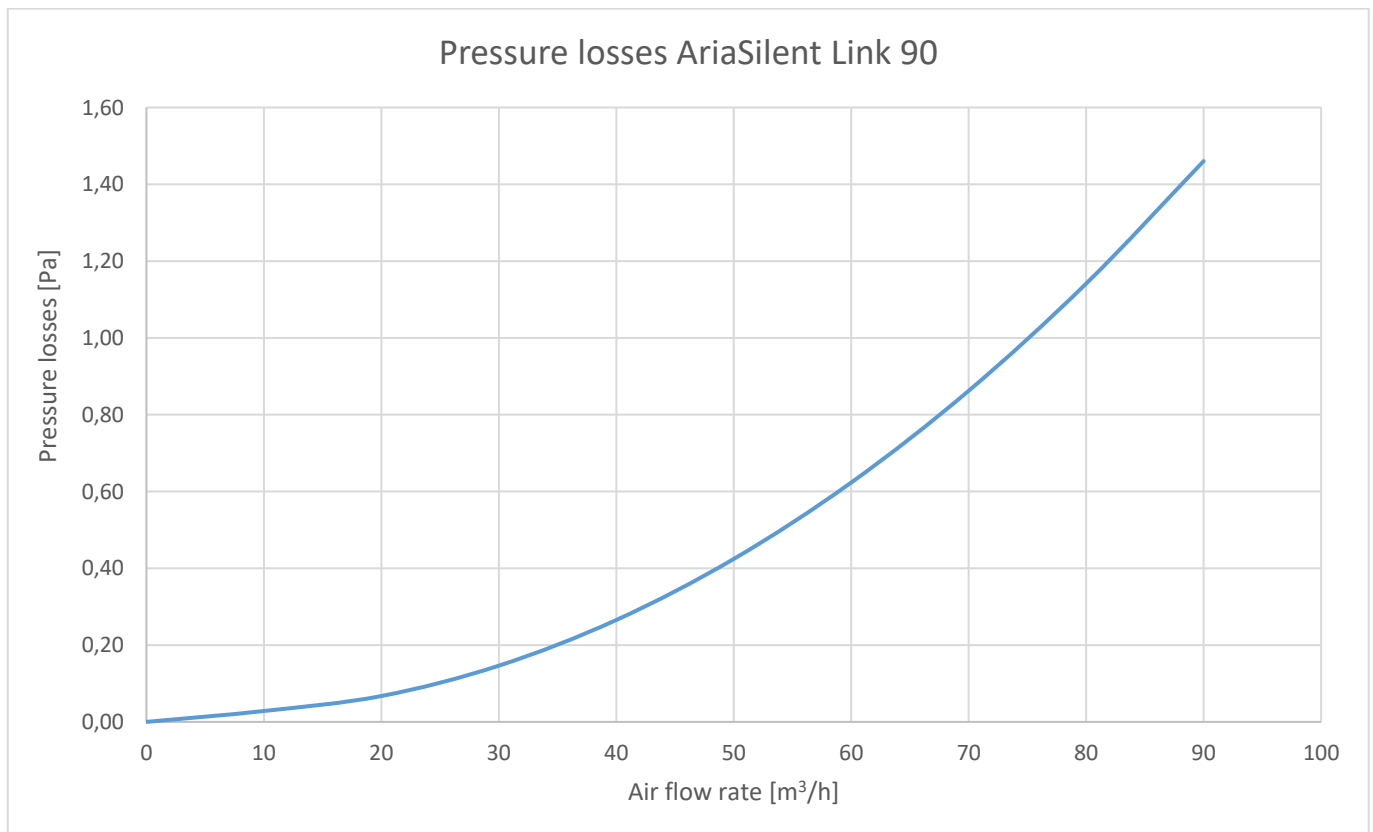


Table: Pressure losses AriaSilent Link Compact 50



Air flow rate [m ³ /h]	Pressure losses [Pa]
0	0,00
10	0,16
20	0,83
30	1,80
40	3,07
50	4,64
60	6,51

Figure: Pressure losses AriaSilent Link Compact 50

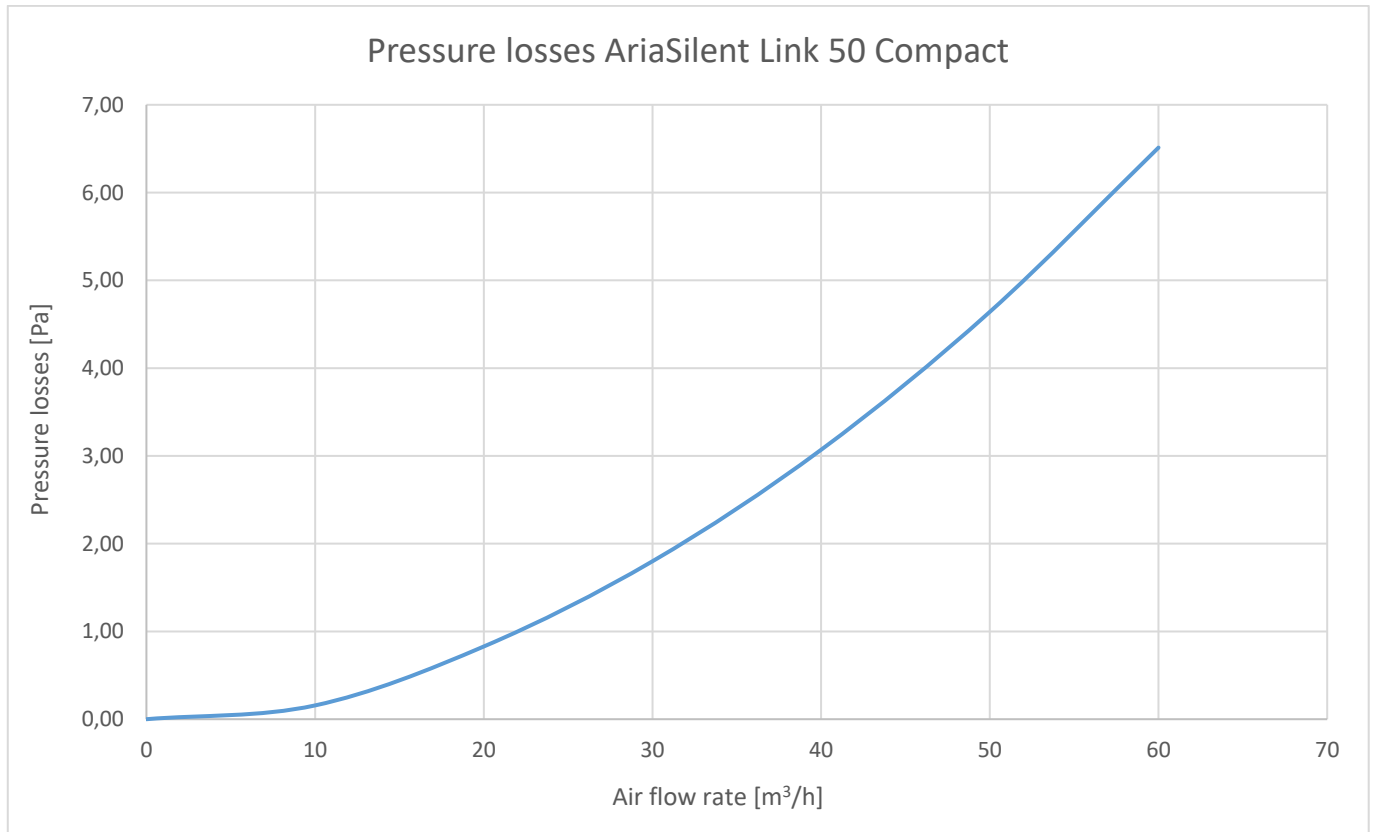


Table: Pressure losses AriaSilent Link Compact 55



Air flow rate [m ³ /h]	Pressure losses [Pa]
0	0,00
10	0,10
20	0,47
30	1,00
40	1,70
50	2,55
60	3,56
70	4,73
80	6,06
90	7,55

Figure: Pressure losses AriaSilent Link Compact 55

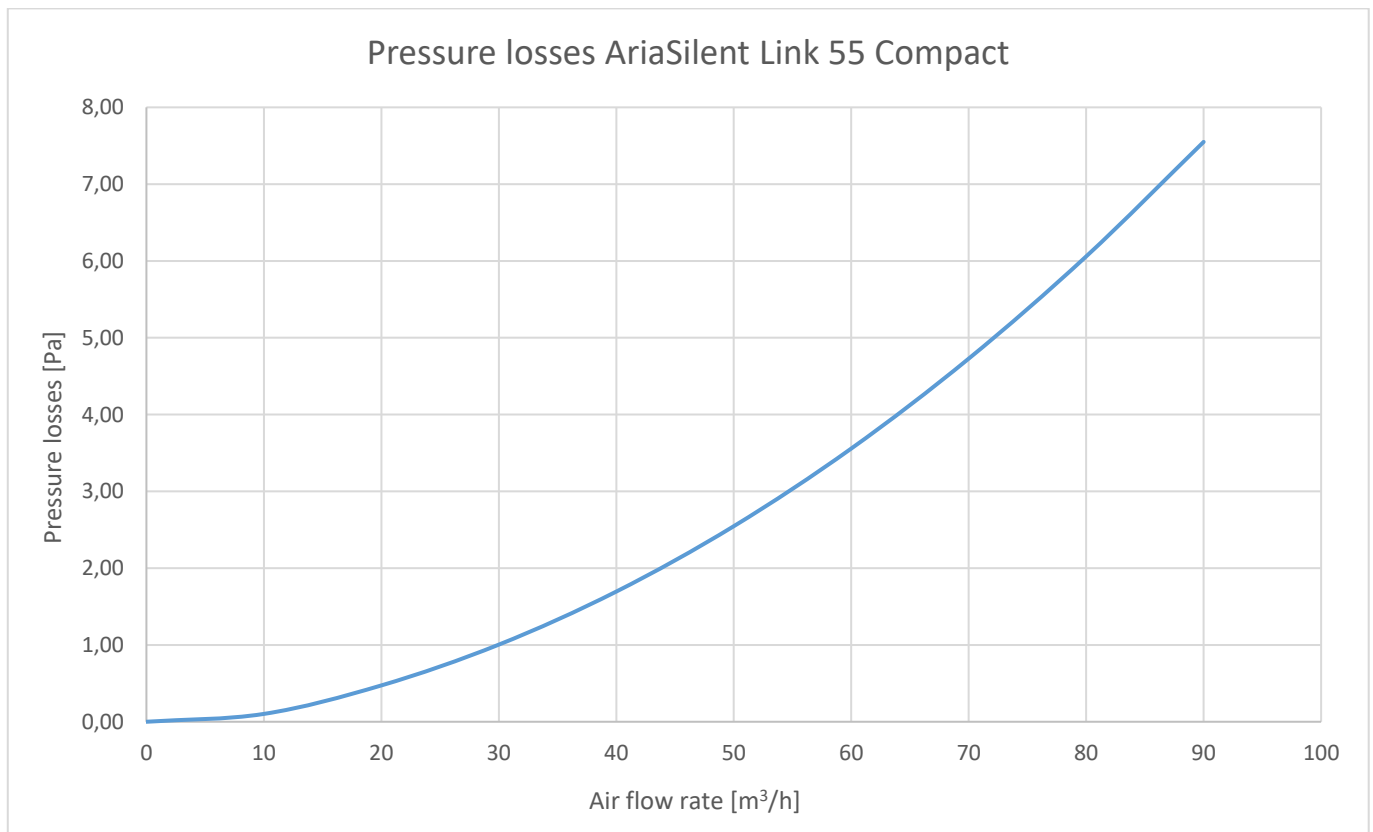


Table: Pressure losses AriaSilent Link Bend



Air flow rate [m ³ /h]	Pressure losses [Pa]
0	0,00
10	0,34
20	1,51
30	3,00
40	4,81
50	6,94
60	9,39
70	12,16
80	15,25
90	18,12

Figure: Pressure losses AriaSilent Link Bend

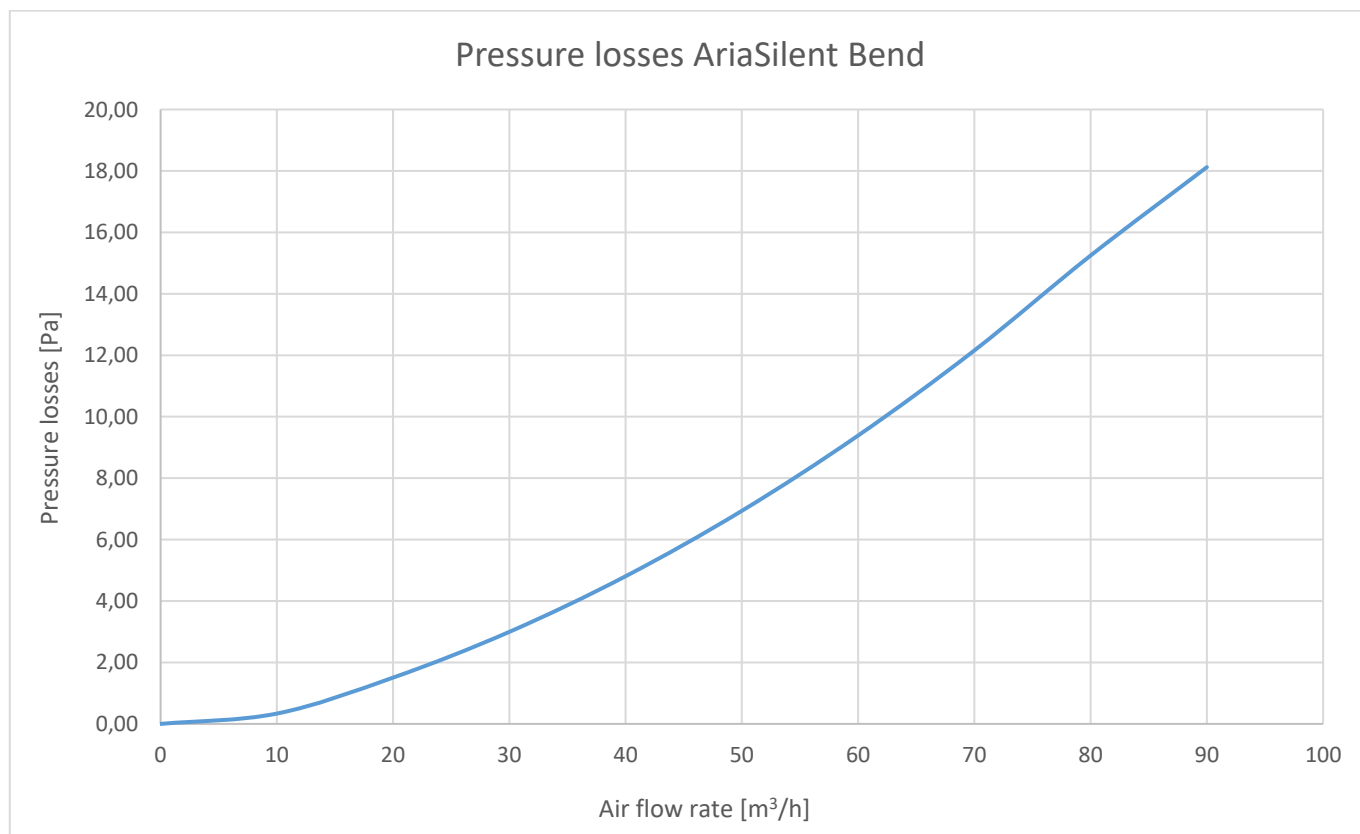


Table: Pressure losses AriaSilent Link Linear



Air flow rate [m ³ /h]	Pressure losses [Pa]
0	0,00
10	0,01
20	0,03
30	0,07
40	0,13
50	0,21
60	0,31
70	0,43
80	0,57
90	0,73

Figure: Perdite di carico AriaSilent Link Linear

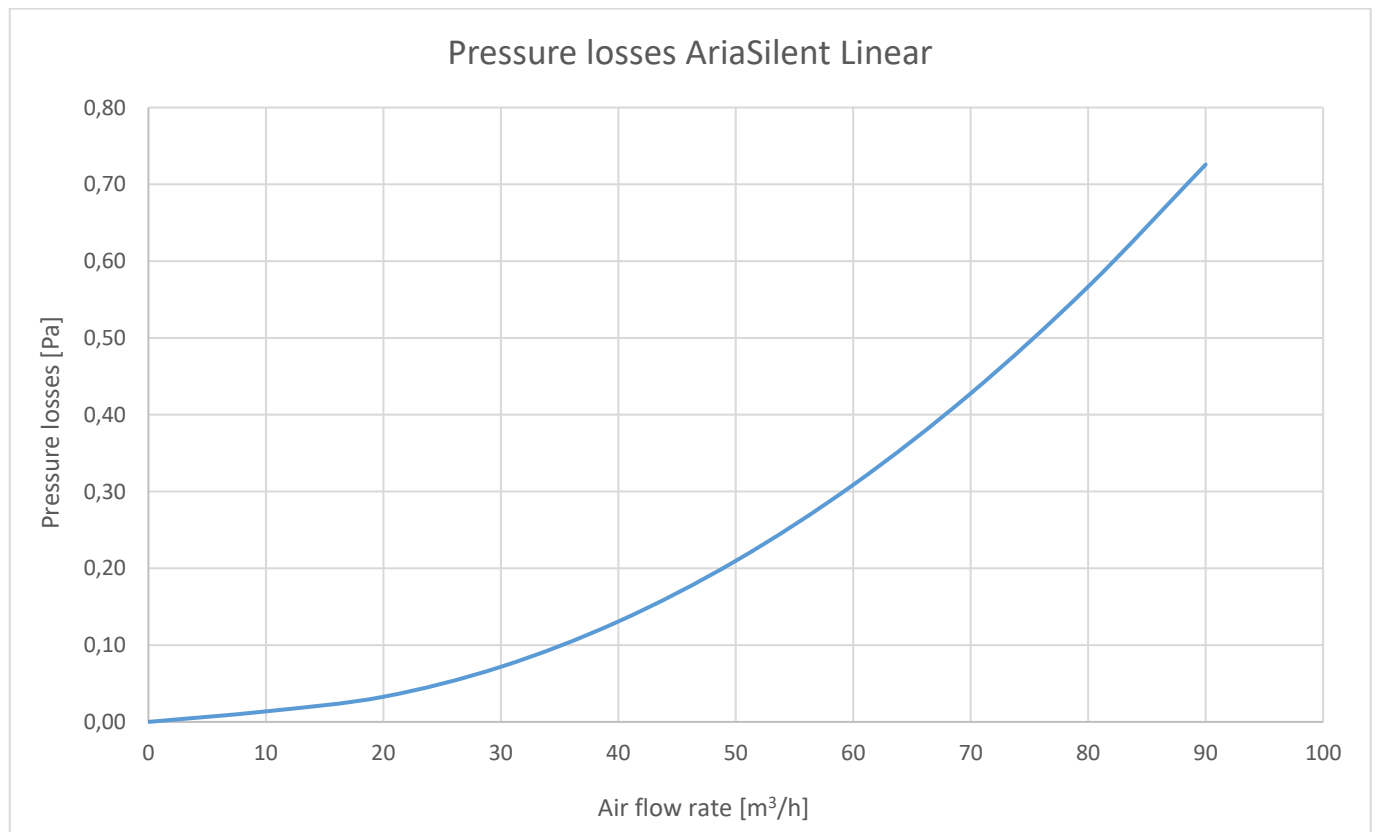
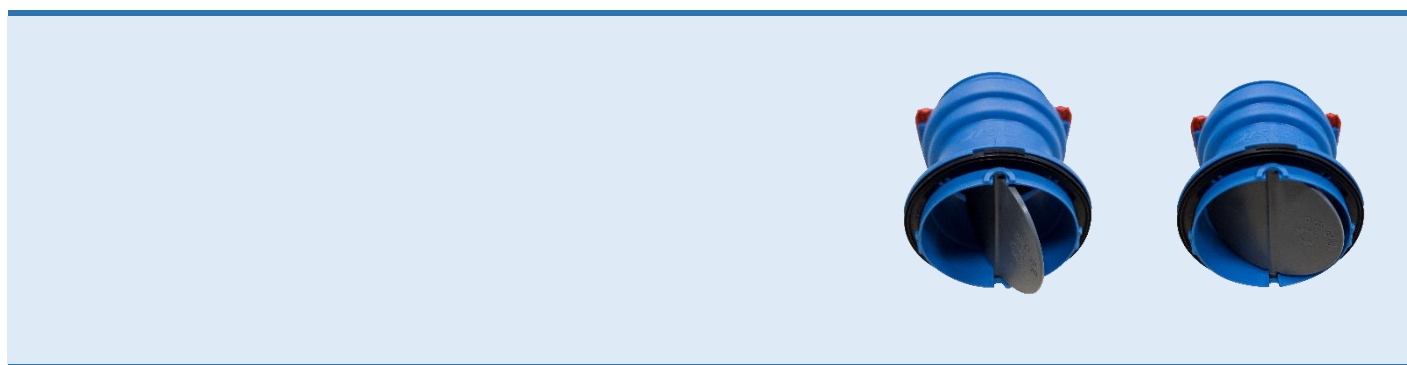


Table: Pressure drops AriaSilent Valve combined with the different AriaSilent Link fittings



Fitting	Air speed [m/s]	Air flow rate [m ³ /h]	Pressure losses [Pa] 30°	Pressure losses [Pa] 60°
 63	3	23,04	8,41	135,4
 75	3	33,77	26,58	244,7
 90	3	50,54	37,17	471,6
 Compact 50	3	34,59	36,74	282,4
 Compact 55	3	50,51	49,24	495,9