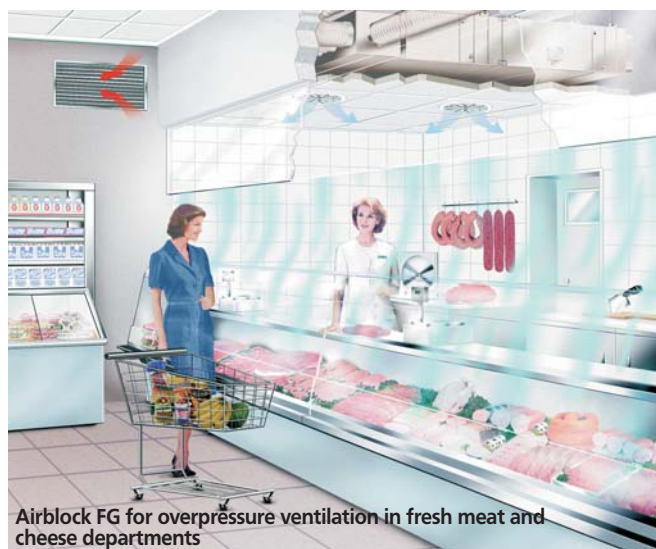


Decentralised, dynamic air treatment



Airblock FG in a meeting room



Airblock FG for overpressure ventilation in fresh meat and cheese departments



Fresh air unit



Discharge air unit

Airblock FG – heating • cooling • ventilating • filtering

Airblock FG is a compact air treatment unit for the decentralised, dynamic treatment of air, which can be used as a fresh air, discharge air or recirculating air unit in office buildings, hotels, restaurants and supermarkets.

Airblock FG units are also particularly suitable for demand-led heating in intermittently used rooms, e.g. meeting rooms.

The slim overall height and the space-saving design allow it to be used in many different ways particularly where room for installation is limited. Airblock units can be mounted unobtrusively within suspended ceilings, in the basement or in rooms adjacent to the area to be heated or cooled.

Inspection flaps in the base of the housing provide easy access to the filter and fan for inspection, cleaning and maintenance purposes.

The entire motor and impeller section is mounted on a hinged base and drops down easily for inspection and maintenance.

An intelligent design and precise manufacturing with the most modern machinery ensure the most superior quality.

In addition to mixed air units for combination and individual systems, the range of additional components includes:

- cooling and filter units
- plate heat exchangers for use in heat recovery systems
- louvres
- suspended particle filter units
- noise attenuators
- ductwork and air distribution components
- and a range of induction and discharge components

Technical data

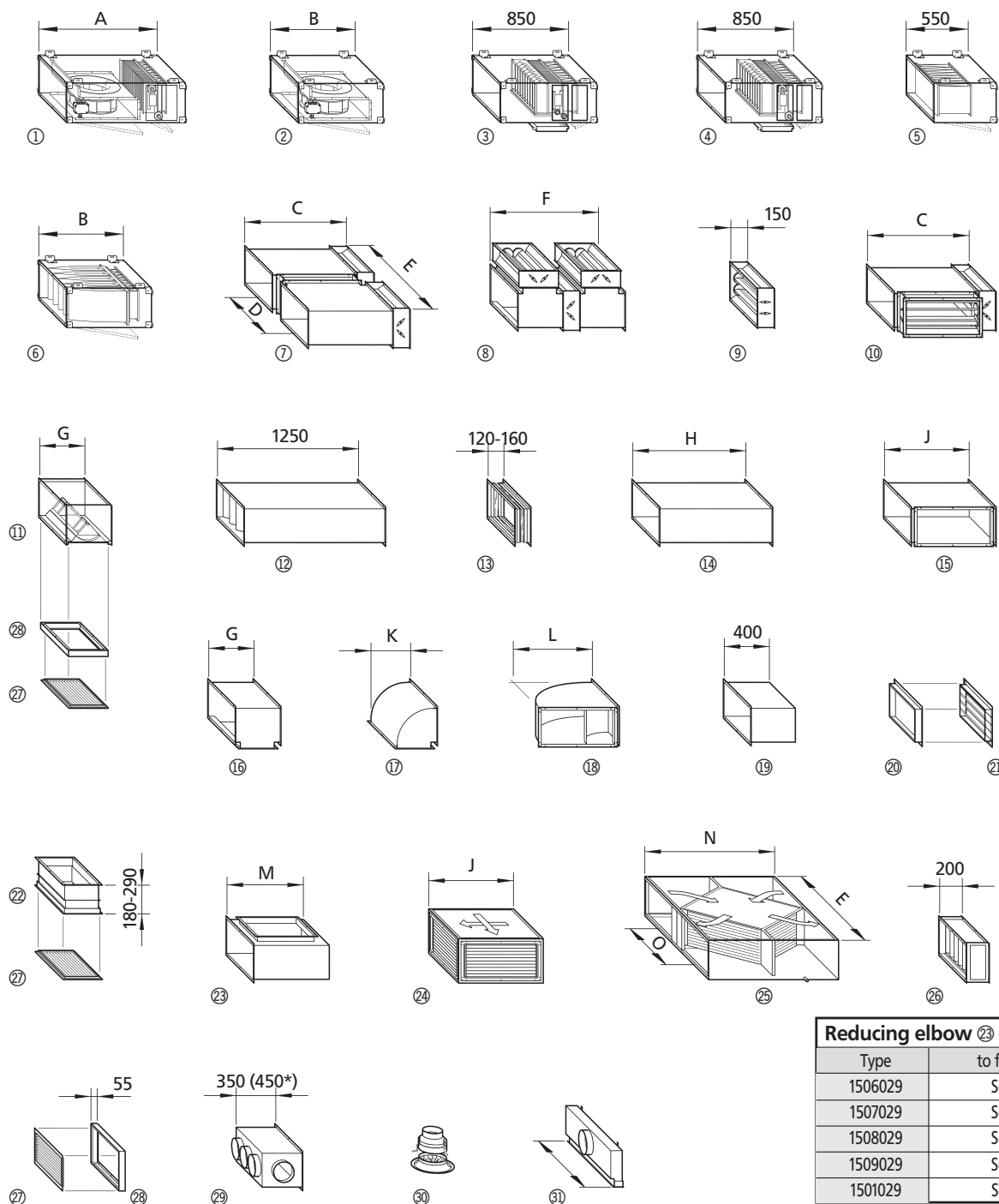
Design	Size	Height mm	Width mm	Length mm	Heat output LPHW kW 75/65 °C, t _l 20 °C	Air volume V m ³ /h
Fresh air	6	350	700	1050	15,6	2100
	7	350	900	1150	21,1	2800
	8	450	900	1150	28,4	3750
	9	450	1100	1250	36,8	4800
	10	550	1200	1350	53,6	7200
Discharge air	6	350	700	750	-	2660
	7	350	900	850	-	3470
	8	450	900	850	-	4700
	9	450	1100	950	-	5800
	10	550	1200	1050	-	8430

Technical data/Fresh air Airblock FG									
Model	6		7		8		9		10
Design	3-phase	1-phase	3-phase	1-phase	3-phase	1-phase	3-phase	1-phase	3-phase
Type	1506001	1506002	1507001	1507002	1508001	1508002	1509001	1509002	1501001
Fan:									
Voltage	400 V/50 Hz	230 V/50 Hz	400 V/50 Hz	230 V/50 Hz	400 V/50 Hz	230 V/50 Hz	400 V/50 Hz	230 V/50 Hz	400 V/50 Hz
Nominal power intake									
(3-phase: delta/star)	320 W/230 W	380 W	530 W/320 W	570 W	700 W/440 W	740 W	1200 W/780 W	1350 W	2500 W/1700 W
Max. intake air temperature	60 °C	60 °C	60 °C	60 °C	60 °C	60 °C	60 °C	60 °C	60 °C
Capacitor	-	10 µF	-	10 µF	-	14 µF	-	30 µF	-
Impeller diameter	400 mm	400 mm	450 mm	450 mm	450 mm	450 mm	500 mm	500 mm	580 mm
Heat exchanger:									
Connection	3/4"		3/4"		1"		1"		1 1/4"
Water content	1,5 l		2,3 l		3,3 l		4,1 l		5,1 l
Filter:									
acc. to DIN EN 779	G4		G4		G4		G4		G4
Housing dimensions:									
Length	1050 mm		1150 mm		1150 mm		1250 mm		1350 mm
Width	700 mm		900 mm		900 mm		1100 mm		1200 mm
Height	350 mm		350 mm		450 mm		450 mm		550 mm
Weight:	86 kg		112 kg		123 kg		157 kg		198 kg

Technical data/Discharge air Airblock FG									
Model	6		7		8		9		10
Design	3-phase	1-phase	3-phase	1-phase	3-phase	1-phase	3-phase	1-phase	3-phase
Type	1506004	1506005	1507004	1507005	1508004	1508005	1509004	1509005	1501004
Fan:									
Voltage	400 V/50 Hz	230 V/50 Hz	400 V/50 Hz	230 V/50 Hz	400 V/50 Hz	230 V/50 Hz	400 V/50 Hz	230 V/50 Hz	400 V/50 Hz
Nominal power intake									
(3-phase: delta/star)	320 W/230 W	380 W	530 W/320 W	570 W	700 W/440 W	740 W	1200 W/780 W	1350 W	2500 W/1700 W
Max. intake air temperature	60 °C	60 °C	60 °C	60 °C	60 °C	60 °C	60 °C	60 °C	60 °C
Capacitor	-	10 µF	-	10 µF	-	14 µF	-	30 µF	-
Impeller diameter	400 mm	400 mm	450 mm	450 mm	450 mm	450 mm	500 mm	500 mm	580 mm
Housing dimensions:									
Length	750 mm		850 mm		850 mm		950 mm		1050 mm
Width	700 mm		900 mm		900 mm		1100 mm		1200 mm
Height	350 mm		350 mm		450 mm		450 mm		550 mm
Weight:	60 kg		74 kg		87 kg		113 kg		148 kg

Component dimensions

Components



Reducing elbow 23	
Type	to fit air filter
1506029	Series 34
1507029	Series 35
1508029	Series 35
1509029	Series 36
1501029	Series 37

Dimensions

Model	Type	A	B	C	D	E	F	G	H	J	K	L	M	N	P
6	1506_---	1050	750	-	400	900	750	700	350	950	please state duct length when ordering.	900	1600	1150	31
7	1507_---	1150	850	-	400	1100	950	900	350	950		1100	2000	1300	
8	1508_---	1150	850	1700	500	1100	950	900	450	1150		1100	2000	1300	
9	1509_---	1250	950	1800	500	1300	1150	1100	450	1150		1300	2400	1570	
10	1501_---	1350	1050	1900	600	1400	1250	1200	550	1350		1400	2600	1570	

All dimensions in mm

* Model 10

Ductwork dimensions • Opening dimensions

Airblock models

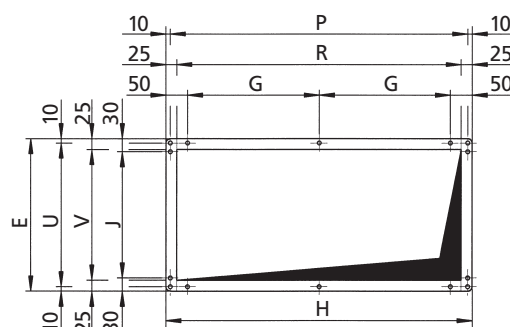
	3-phase	1-phase**
1 Fresh air	type 150*001	typ 150*002
2 Discharge air	type 150*004	typ 150*005

Ductwork components

- 3 Cooling unit for cooling by direct vaporization, type 150*124
- 4 Cooling unit for cooling with LPCW, type 150*024
- 5 Suspended particle filter class S, type 150*126
- 6 Filter unit with F7 filter, type 150*026
- 7 Combi-mixing box, horizontal, type 150*018
- 8 Combi-mixing box, vertical, type 150*017
- 9 Louvre, type 150*019
- 10 Mixing box, long, type 150*022
- 11 Mixing box, short, type 150*020
- 12 Noise attenuator, type 150*123
- 13 Flexible connection, type 150*034
- 14 Duct section, type 150*030
- 15 T-section, long, type 150*032
- 16 T-section, short, type 150*031
- 17 90° Angled section, short, type 150*035
- 18 90° Angled section, long, type 150*036
- 19 Wall opening section, type 150*037
- 20 Weather grate frame, type 150*039
- 21 Weather grate, type 150*038
- 22 Sliding socket section, type 150*033
- 23 Reducing elbow, type 150*029
- 24 Plate heat exchanger, cross flow design, type 150*065
- 25 Plate heat exchanger, diagonal flow design, type 150*066
- 26 G4 (EU4) Filter unit for pre-filtering of air with plate heat exchanger, type 150*068
- 27 Linear grille and frame, type 150*070
- 28 Frame for linear grille and ceiling air outlet (not necessary when flexible section is used with suspended ceilings), type 150*081
- 29 Discharge plenum for flex duct
 - ø 180 mm, type 150*055
 - ø 225 mm, type 150*057
 - ø 250 mm, type 150*058
 - ø 300 mm, type 150*059
 - ø 400 mm, type 150*060
- 30 Circular ceiling outlet (twirl outlet) for connection to flexible pipe
 - ø 180 mm, type 1500082
 - ø 225 mm, type 1500083
 - ø 250 mm, type 1500084
- 31 Fresh air slot outlet
 - Length P = 1000 mm, type 1500171
 - Length P = 1500 mm, type 1500172

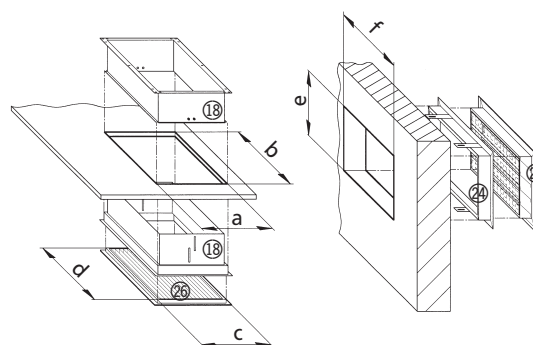
* Please insert number for unit size.

Flange dimensions



Model	6	7	8	9	10
Type	1506 ...	1507 ...	1508 ...	1509 ...	1501 ...
E	350	350	450	450	550
G	300	400	400	500	2 x 275
H	700	900	900	1100	1200
J	290	290	390	390	2 x 245
P	680	880	880	1080	1180
R	650	850	850	1050	1150
U	330	330	430	430	530
V	300	300	400	400	500

Opening dimensions



- ②② Sliding socket section (disassembled), type 150*033
- ②① Weather grate, type 150*038
- ②① Weather grate frame, type 150*039
- ②① Linear grille and frame, type 150*070

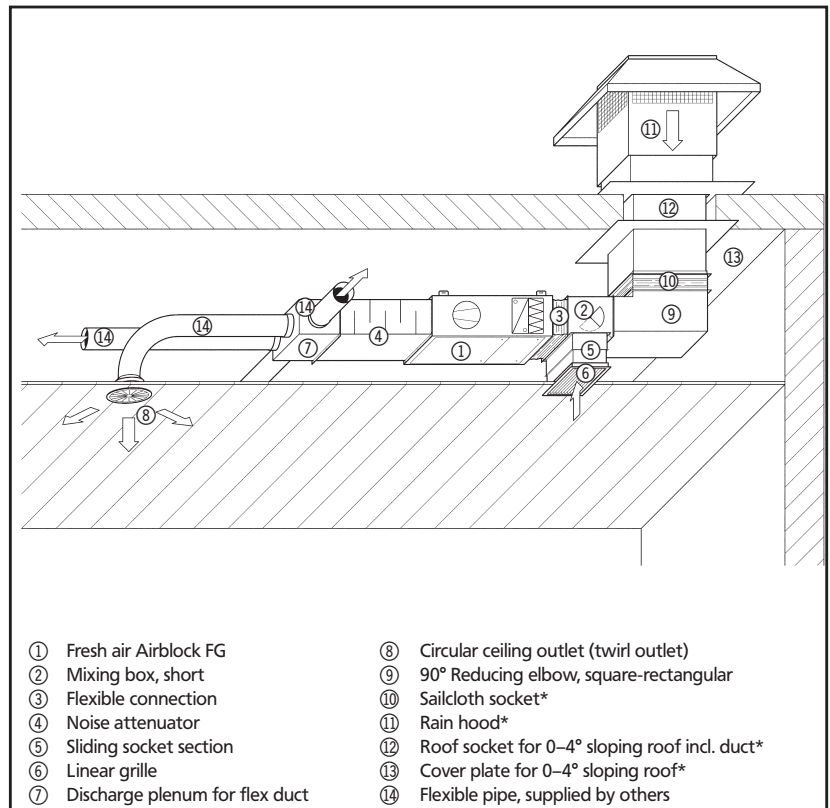
Model	6	7	8	9	10
Type	1506 ...	1507 ...	1508 ...	1509 ...	1501 ...
a	325	325	425	425	525
b	675	875	875	1075	1175
c	315	315	415	415	515
d	665	865	865	1065	1165
e	310	310	410	410	510
f	655	855	855	1055	1155

All dimensions in mm.

Example 1: Mixed air system, mounted within suspended ceiling, fresh air entry through roof

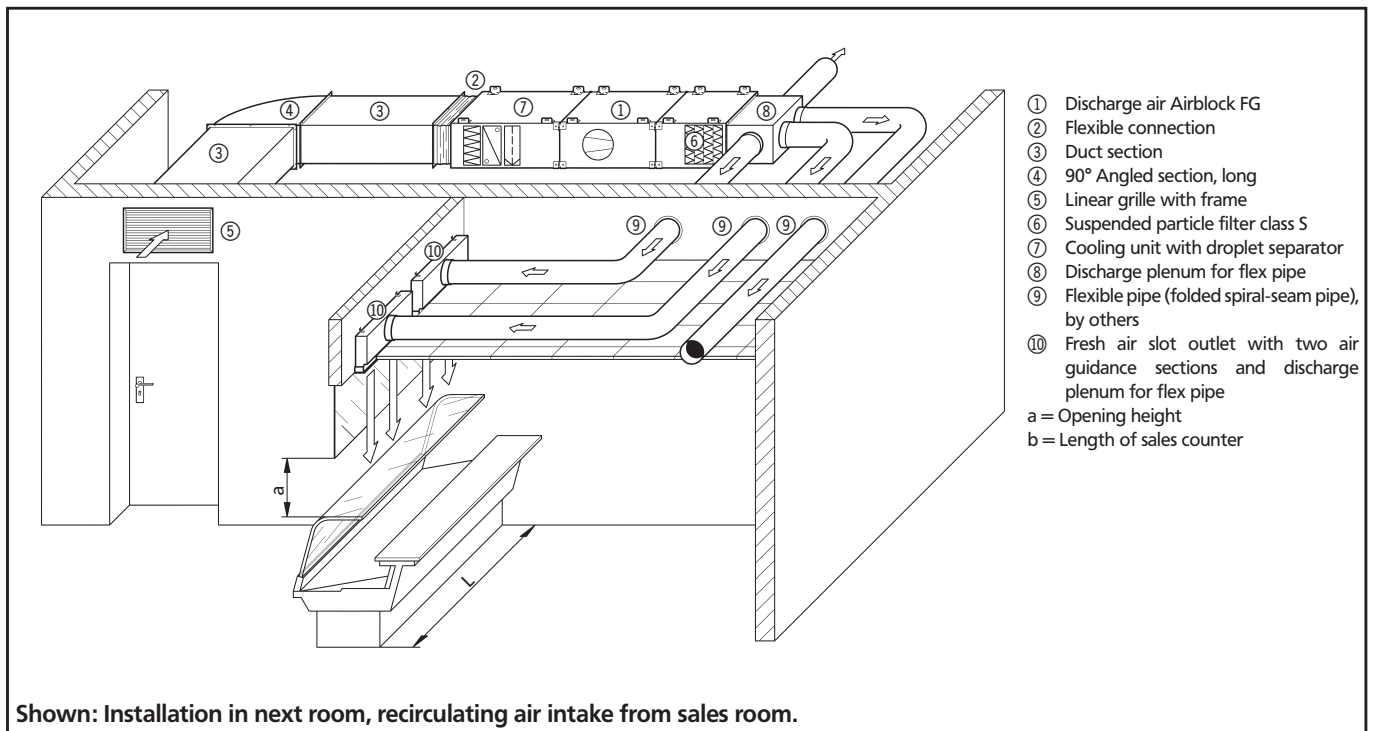
Horizontal installation of a fresh air Airblock FG in a false ceiling

- Recirculating/fresh air portions controlled by mixing box, short
- Vertical fresh air intake via roof
- Recirculating air intake through linear grille, incl. sliding socket section to overcome height difference
- Noise attenuator on fresh air side to reduce noises
- Air outlet via discharge plenum and swirl outlets

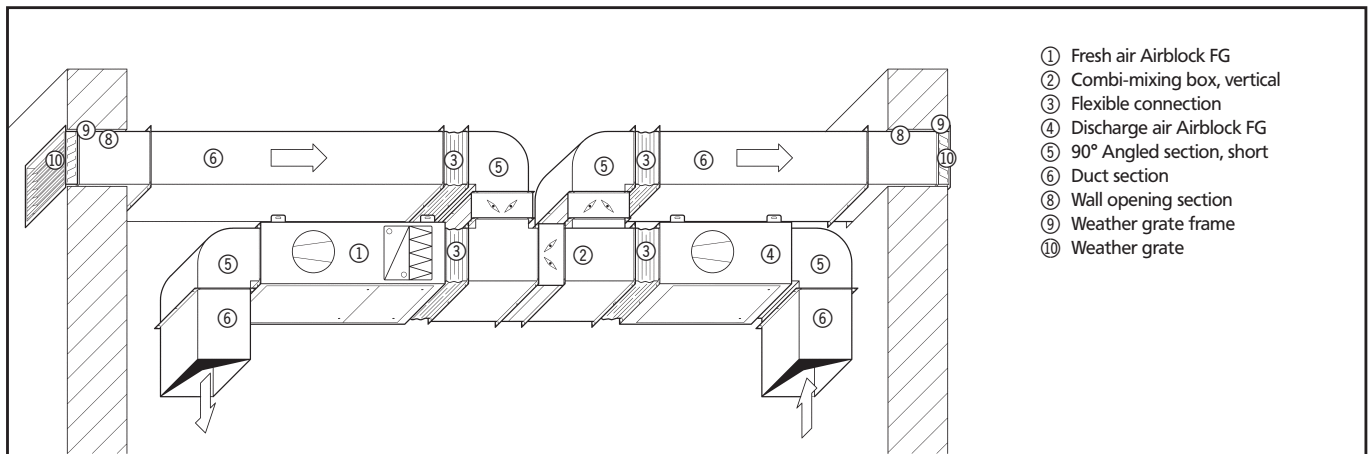


*Components from Kompakt unit heater range, art.-gr. 1.52

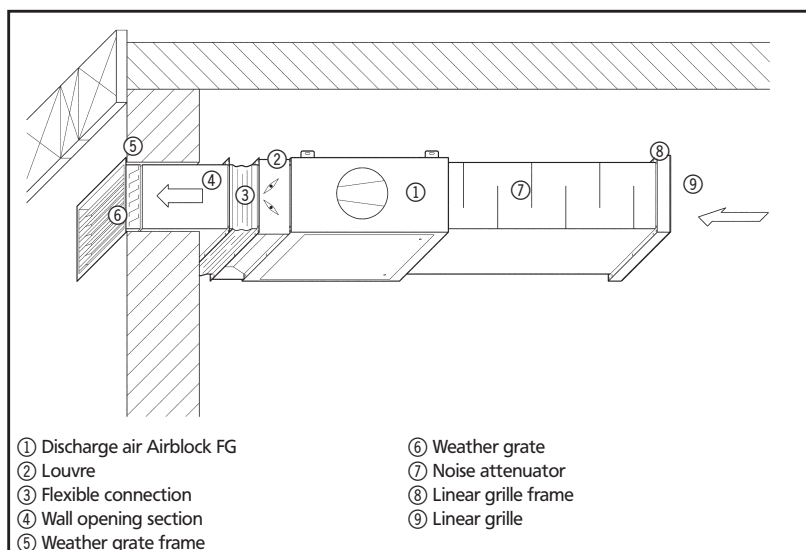
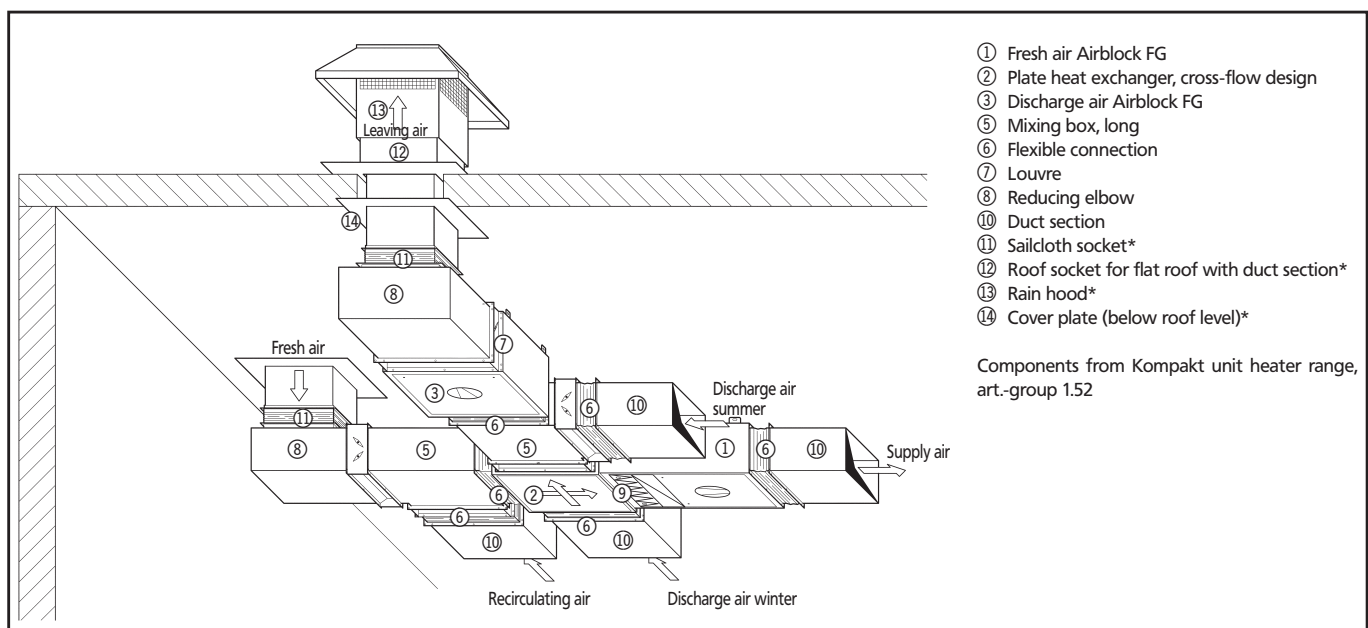
Example 2: Recirculating air pressurized system in a food retail outlet



Example 3: Combined fresh air/discharge air system with horizontal combi-mixing box



Example 4: Combined fresh air/discharge air system with plate heat exchanger, cross-flow design, and separate horizontal exhaust air bypass



Example 5: Discharge air system mounted below ceiling level

- Air intake via linear grille and noise attenuator
- Air discharge via outside wall