

# FUNCTIONAL DESCRIPTION



## MF-BV90-125-5

### MAICOFlex flexible ventilation duct system

■ The flexible MAICOFlex duct system is the ideal supplement to the WS, WRG and WR ventilation units. You therefore get all the components you need from one source:

- Distributor
- Adapter
- Flexible ducts
- Floor/wall outlets and supply/exhaust air valves
- Brackets
- Mounting clamps/cable clips
- Plugs
- Connectors
- Gaskets
- Cleaning set

■ The diagram shows a typical installation situation with all relevant components.

- 1 - MF-BV air distributor box made of sheet metal
- 2 - EPP MF-V plastic air distributor
- 3- MF-FDR seal ring
- 4 - MF-FST end plug
- 5 - MF-R cleaning kit
- 6- MF-F flexible duct
- 7 - MF-B 90° sheet metal elbow
- 8 - MF-RZ reducer
- 9 - MF-FSM insertion sleeve
- 10 - MF-S mounting clamp
- 11- MF-WE slide-in adaptor
- 12 - MF-W bracket
- 13 - MF-WL bracket
- 14 - MF-WLF 100/63/63 bracket
- 15 - MF-WLF 100/90 and MF-WLF 125/90 bracket
- 16 - MF-A valve adaptor
- 17 - MF-FBWA floor and wall outlet

Other components

MT - MAICOTherm thermally insulated ventilation duct system

WF - Folded spiral-seams duct

- a - FFE grease trap element for exhaust air
- b - TK disk valve, plastic
- c - TFA metal valve, disk valve
- d - Mounting frame for TFA/TFZ EBR-D
- e - TM disk valve, metal
- f - TM-V2A stainless steel disk valve
- g - AZV 100 exhaust and supply air valve
- h - ZWVQ supply air valve

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i - WD 10 W blower nozzle

j - WD 10 D blower nozzle

k - TFZ metal, disk valve

- The MAICOFlex flexible ventilation duct system is perfect for both new builds and redevelopments.
- The WS 170 ventilation unit is fitted in the kitchen (e.g. in the top cupboard). Air is exchanged with the outside via 2 core bores, DN 125 folded spiral-seams ducts and the AP 120 shutter and/or the SG 120 protective grille.
- DN 125 folded spiral-seams ducts connect the WS 170 to the MF-V air distributors. An RSR 12/50 tubular sound absorber, fitted in the unit duct, reduces noise levels in the apartment.
- DN 75 or DN 90 flexible steel ducts, fitted with mounting clamps, connect the air distributors to the rooms. The ducts run in the corridor's suspended ceiling.
- The flexible ducts in the corridor are linked to the rooms via core bores and the adaptors attached in the walls.
- In rooms requiring supply air (bedroom, children's room, living room and dining room), the blower nozzles are inserted in the adaptors. The same applies in the rooms with exhaust air (kitchen, bathroom and WC) with the AZE internal grille.