

rectangular reversible adapters

REGULAR RECTANGULAR SHEET METAL/PVC ADAPTERS MODELS VMAD**X10X10X(75/90)



FEATURES

Adapter for connection between Ø75 / Ø90 round semi-rigid piping and the vent of VMC systems. The adapter has a side connection by default. Since it is reversible, it is still possible to make it to rear attachment at the installation site in a few simple steps.

Materials of construction:

- 3 mm thick anti-condensation PVC for the «cover» (or «plate»);
- galvanized steel sheet for the «base»(or «body»);
- cPP(polypropylene copolymer) for «GREY» Ø75 or Ø90 threaded collar,
- the adapter is supplied with a mortar-saving cardboard template on the vent/grille side, which can be easily removed once the wall installation has been carried out; in addition, the «GREY» collars are supplied (inside them) with gaskets for the half-ovals.

Installation locations:

Wall; ceiling; suspended ceiling; floor (minimum depth 105 mm).

TECHNICAL SPECIFICATIONS Ø75

Code		VMAD20X10X1075	VMAD30X10X1075	VMAD40X10X1075
Collar diameter	mm	75	75	75
Collars	nr	1	2	3
Grid side dimensions	mm	200x100	300x100	400x100
Max flow rate (air velocity 3 m/s)	m ³ /h	34	68	102
Depth (P)	mm	103	103	103

TECHNICAL SPECIFICATIONS Ø90

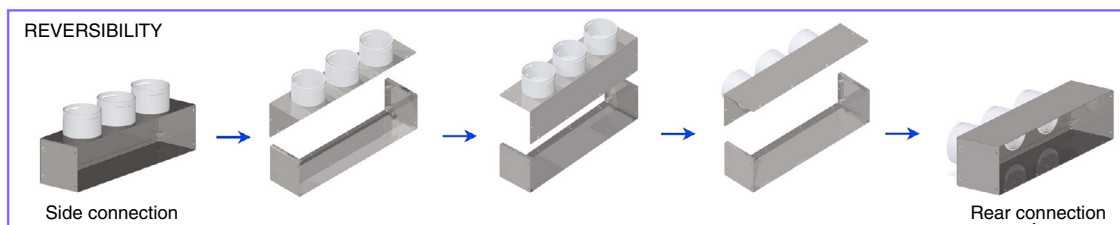
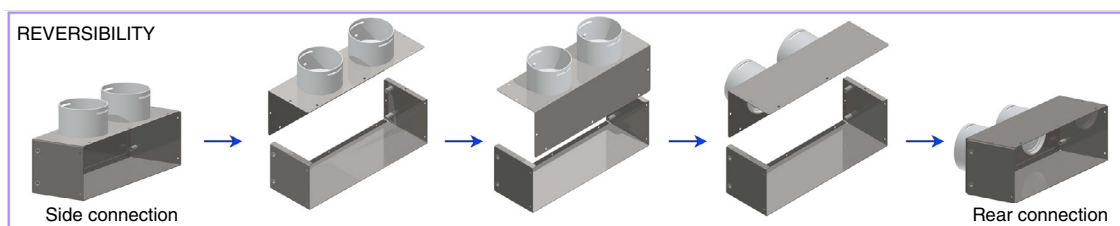
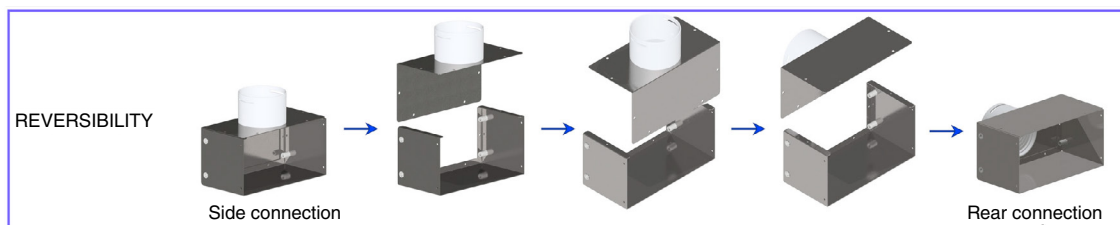
Code		VMAD20X10X1090	VMAD30X10X1090	VMAD40X10X1090
Collar diameter	mm	90	90	75
Collars	nr	1	2	3
Grid side dimensions	mm	200x100	300x100	400x100
Max flow rate (air velocity 3 m/s)	m ³ /h	48	96	144
Depth (P)	mm	103	103	103

Air velocity 3 m/s = velocity inside Ø75 or Ø90 semi-rigid piping
Adapters, bearing Ø75 collars, with shallow depth P=83 mm are also available.

REVERSIBILITY OF ADAPTERS

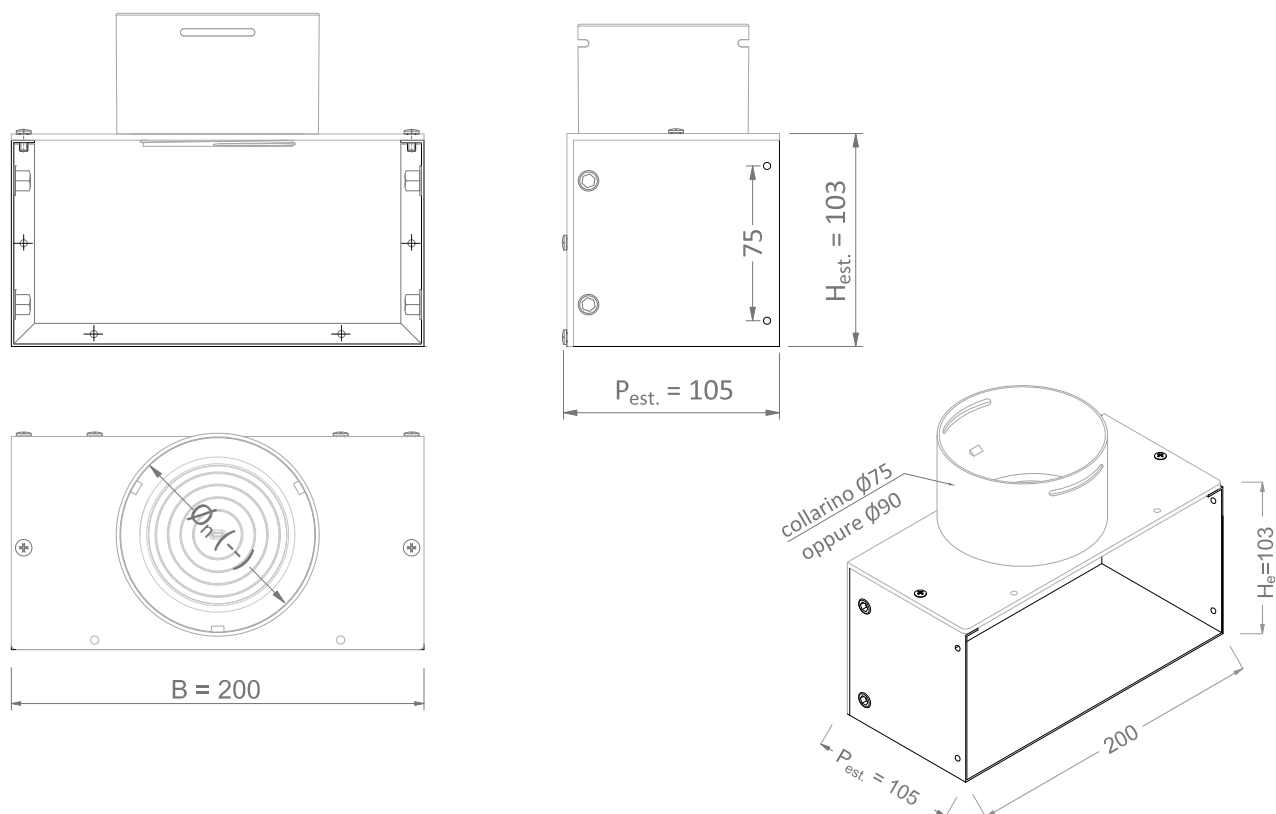
The adapter consists of a first piece of sheet metal (body) bent to match a second piece of anti-condensation PVC (plate). The base and cover are screwed together at the factory,

subject to the interposition of rubber sealing gasket; the connection can be easily taken by the installer from «side» to «rear» to make any kind of installation by the operations shown:



DIMENSIONAL

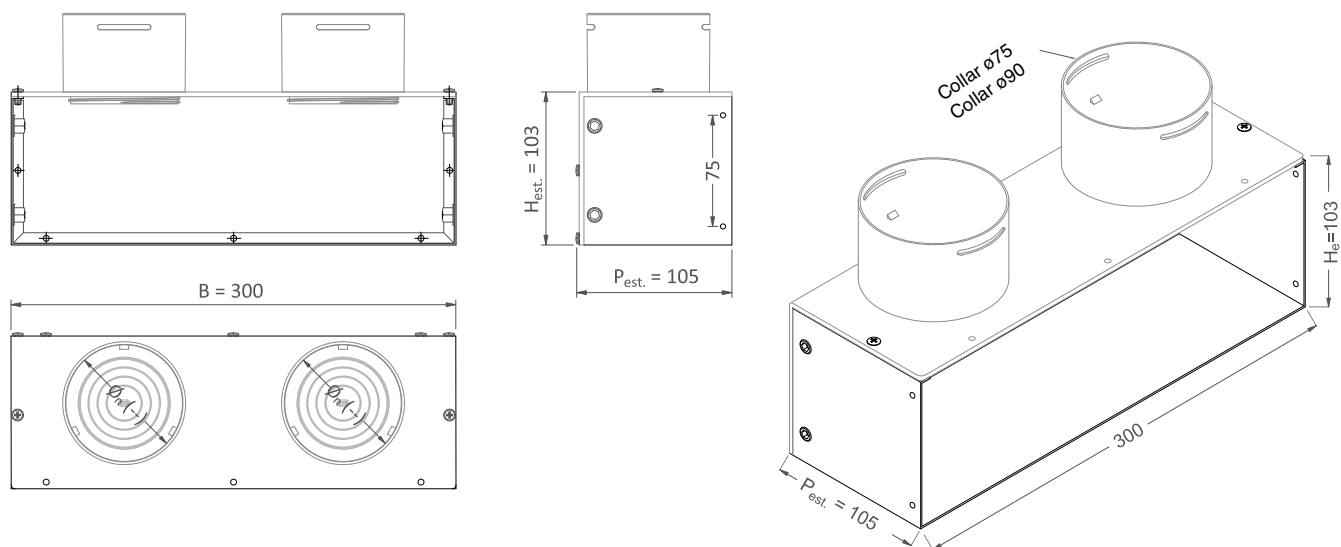
Adapter 200x100x100 mm nom. with zn sheet metal body. thickness. 1 mm and PVC plate thick. 3 mm cod. VMAD20X10X10(75/90)



Note: Reversible adapter, with side attachment collar (from factory) GREY $\phi 75$ 0 $\phi 90$

DIMENSIONAL

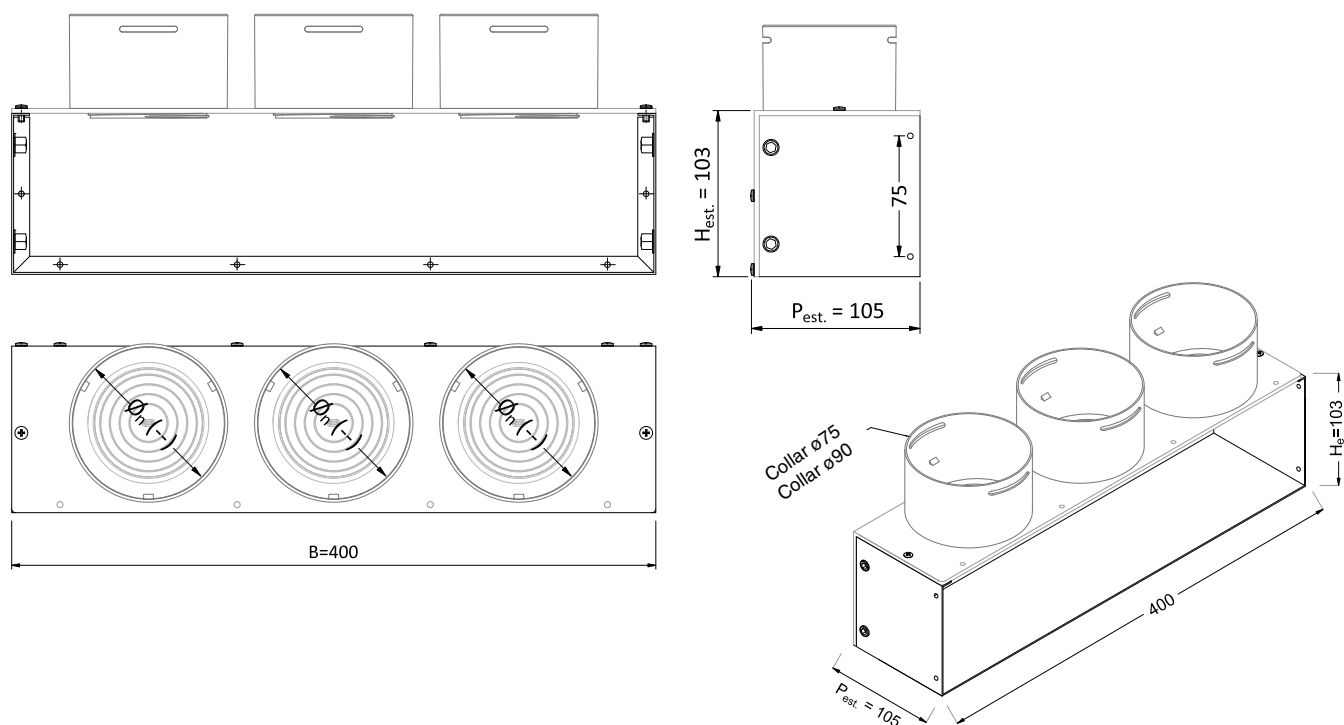
Adapter 300x100x100 mm nom. with zn sheet metal body. thickness. 1 mm and PVC plate thick. 3 mm cod. VMAD30X10X10(75/90)



Note: Reversible adapter, with side attachment collar (from factory) GREY $\phi 75$ 0 $\phi 90$

DIMENSIONAL

400x100x100 mm nom. adapter with zn sheet metal body. thickness. 1 mm and PVC plate thick. 3 mm cod. VMAD40X10X10(75/90)



Note: Reversible adapter, with side attachment collar (from factory) GREY $\phi 75$ 0 $\phi 90$

ACCESSORIES (INCLUDED)



Application

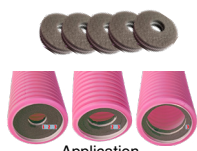
Code	Description	Dim. [mm]
VMAT186375AP	Sealing rings (gaskets), to be removed from the inside of each collar «GREY» and to be installed on the first throat of the semi-rigid pipe.	Ø 75
VMAT187590AP		Ø 90

OPTIONAL ACCESSORIES (EXCLUDED)



Possible application of the bracket kit

Code	Description
VMADKITS100	Bracket kit for mounting on plasterboard type walls or ceiling. The kit consists of two 1 mm thick galvanized steel L-shaped brackets each equipped with several round and slotted holes to be able to install the brackets in various ways and to be able to adjust the depth of the adapter relative to the fixing wall. There are 4 M6x12 bolts to secure the brackets on the adapter. Screws and dowels for fixing brackets on wall are not provided.



Application

Code	Description	Dim. [mm]
VMRPT75AP	Flow regulators, for insertion from inside the adapter In the Ø75 or Ø90 semi-rigid pipe (*). Pack of 5 pcs.	Ø 75
VMRPT90AP		Ø 90



VMKISOP200X100	Insulation kit of the outer sheet metal walls of normal rectangular adapters, made of polyethylene foam with adhesive film. To be applied in place.	420x103
VMKISOP300X100		520x103
VMKISOP400X100		620x103

Size of the insulation panel ->



VMPP200X100	Extension for rectangular adapters, made of galvanized sheet metal, useful depth P=31 mm (*).	200x100
VMPP300X100		300x100
VMPP400X100		400x100



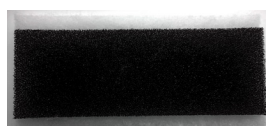
VMSIPRO	Insulation strip for rectangular adapter extensions	1000x25
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VMRF200X100	Class G4 polyester mesh + filter kit, for regular rectangular adapters (*). Dimensions of the net only (the filter has dim. somewhat greater) ->	190x130
VMRF300X100		290x130
VMRF400X100		390x130



VMFV100200X100	Class G4 polyester filters, for rectangular adapters, in conf. Of 10 pcs (*). Single filter size	230x140
VMFV100300X100		330x140
VMFV100400X100		430x140



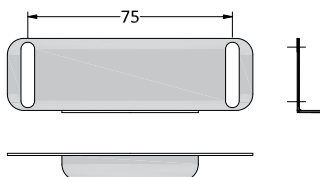
VMF-20X10DS	Double-layer filter, specifically for flue-gas, for rectangular adapters. Formed by a layer of class G4 polyester fiber and a layer of nonwoven polymer material	215x103
VMF-30X10DS		315x103
VMF-40X10DS		415x103

(*) See also related data sheets

OPTIONAL ACCESSORIES

Nozzle (optional) having the included magnet kit, the sheet metal brackets of which are to be attached to the rectangular adapters or, preferably in the case of side connections, to the adapter extensions:

Code	Description	Dim. nominal
VMGF01200X100BM	C RAL9010 louvered grille with magnet kit included (consisting of no. 2 sheet metal brackets Galvanized, screws and by no. 2 magnets already glued on the slit grid).	200x100
VMGF01300X100BM		300x100
VMGF01400X100BM		400x100

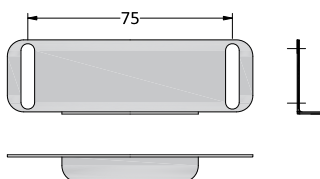


relay drawing



magnet detail

Code	Description	Flow rate at 1 m/s [m³/h]	Dim. nominal
-B/01200X100BM	RAL9010 PVC vent with magnet kit included (consisting of no. 2 relays in Galvanized sheet metal, screws and by no. 2 magnets already glued on the nozzle).	40	200x100
-B/01300X100BM		61	300x100
-B/01400X100BM		83	400x100



relay drawing



magnet detail