AIR VENTS
Exterior wall or in-frame

anjos
inspirer le bien-être

PA

Ø 125 to 400 mm or rectangulaire

Metal
Air Supply And Exhaust
Aluminium Grilles

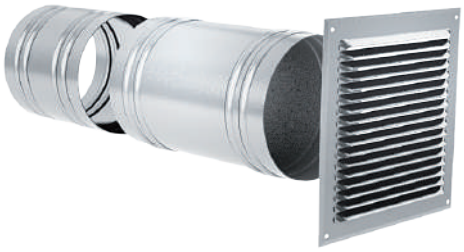
PA

- Draw in fresh air or exhaust stale air
- Aluminium louvred grille on exterior wall
- dia. 125 to 400 mm circular model
- Rectangular model with groutable frame
- Model with backdraught damper to exhaust air (dia. 100, 125 and 150 mm)

Presentation

PA exterior wall air vents draw fresh air in or exhaust stale air out of homes fitted with mechanical extract ventilation systems.

EXTERIOR WALL AIR VENTS



The assembly, which consists of a 250 mm-long fixed sleeve and a 200 mm-long adjustment sleeve, extends through wall measuring between 250 and 400 mm in thickness.

EXTERIOR WALL AIR VENTS WITH BACKDRAUGHT DAMPER

In-frame vents are made of a galvanised steel frame with knee brace and aluminium grille. They are specifically designed to ventilate mechanical rooms.
Rectangular ducts can also be connected to the frame.

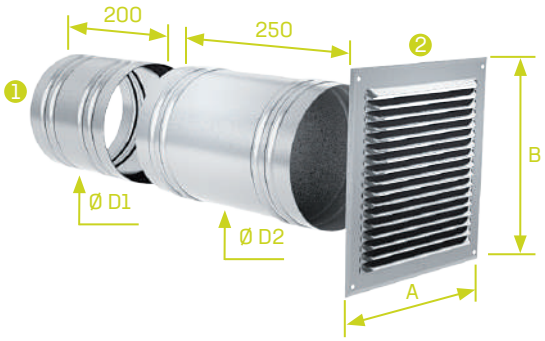
IN-FRAME VENTS

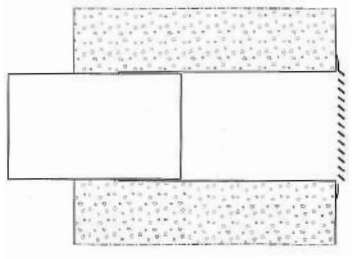
Through-wall air vents are used to exhaust air in mechanical extract ventilation systems that are operated occasionally or intermittently (cooker hoods, etc) or as dryer vents. The backdraught damper in the adjustment sleeve prevents outdoor air from entering in the event ventilation stops. The assembly, which consists of one fixed sleeve and two adjustment sleeves, extends through wall measuring between 300 in 450 mm in thickness. The aluminium grille with drip edge is screwed onto the 100 mm adjustment sleeve.
Available in the following diameters: 100, 125 and 150 mm.

Installation

EXTERIOR WALL AIR VENTS

The sleeves are designed to be grouted into masonry with a slightly outward angle (fixed sleeve dia. D2 on the exterior side of the wall and adjustment sleeve dia. D1 on the interior side).
Ensure an overlap of at least 20 mm between both sleeves and an adjustment sleeve overhang (interior side) of at least 30 mm in order to connect the duct.
Clip the aluminium grille onto the outdoor end of the sleeve.

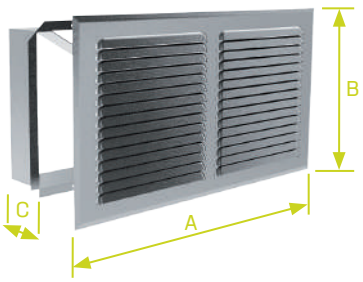




❶ Galvanised steel sleeves
❷ Plain aluminium grille with one set of louvres for PA dia. 125 to 200 mm and two sets of louvres for higher diameters.

	Code	A (mm)	B (mm)	D1 (mm)	D2 (mm)	Weight (kg)	Airflow cross-section (cm²)	Flow rate 20 Pa (m³/h)	
								Air exhaust	Air supply
PA 100	**1600**	150	150	97	100	1,0	55	115	80
PA 125	**1601**	165	165	122	127	1,2	80	170	120
PA 150	**1602**	200	200	150	155	1,4	120	225	185
PA 160	**1603**	200	200	157	162	1,4	130	235	195
PA 200	**1604**	250	250	197	202	1,8	190	350	290
PA 250	**1605**	300	300	247	252	2,4	280	485	400
PA 315	**1606**	350	350	315	320	3,0	480	830	680
PA 355	**1607**	390	390	355	360	3,4	600	1060	870
PA 400	**1608**	440	440	403	408	4,0	930	1610	1320

In-frame vents



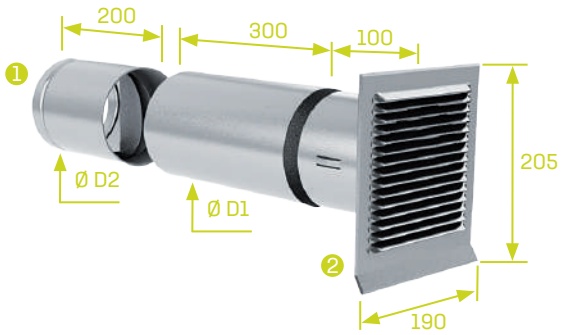
Designed to be grouted into masonry. The knee brace prevents the frame from buckling during grouting.
The grille fastens to the frame with screws.

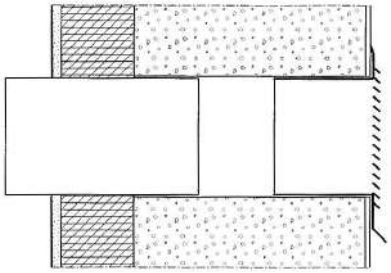
240 × 140 mm grille: one set of louvres
340 × 190 mm to 550 × 250 mm grilles: two sets of louvres
650 × 350 mm grille: three sets of louvres

Frame dimensions	Code	A (mm)	B (mm)	C (mm)	Weight (kg)	Airflow cross-section (cm²)
PA 200 x 100	**1625**	240	140	20	0,2	130
PA 300 x 100	**1623**	340	140	50	0,5	170
PA 300 x 150	**1626**	340	190	50	0,6	260
PA 400 x 200	**1627**	440	240	50	0,9	480
PA 500 x 200	**1628**	550	250	50	1,1	580
PA 600 x 300	**1629**	650	350	50	1,6	1020

Exterior wall air vents with backdraught damper

The fixed sleeve is designed to be grouted into masonry with a slightly outward angle (the sleeve may be trimmed to the thickness of the wall). The 200 mm adjustment sleeve is long enough to extend through indoor wall insulation. The sleeve associated with the grille push-fits into the fixed sleeve.
Ensure an overlap of at least 20 mm between the fixed sleeve and the adjustment sleeves and an adjustment sleeve overhang (inner side of wall) of at least 30 mm in order to connect the duct.





1 Galvanised steel sleeves
2 Aluminium grille screwed onto the 100 mm-long adjustment sleeve

	Code	D1 (mm)	D2 (mm)	Weight (kg)	Air flow cross-section (cm^2)	Flow rate (m^3/h) at 20 Pa (exhaust)
PA CAR Ø 100	**1615**	100	97	1,5	55	100
PA CAR Ø 125	**1616**	127	123	1,7	85	170
PA CAR Ø 150	**1617**	152	148	1,8	130	225