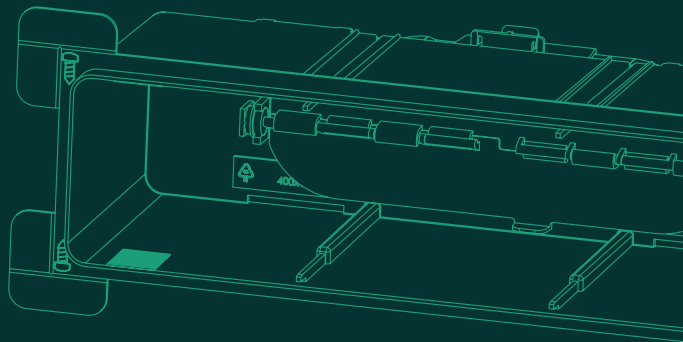
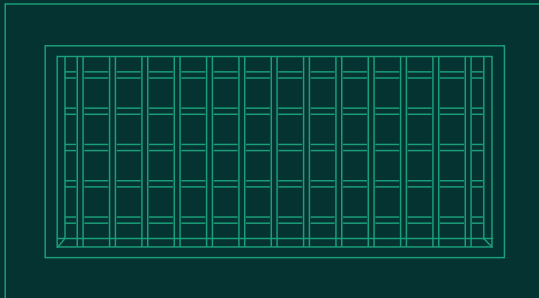




Project Wind

Ventilation solutions

PLASTIC PRODUCTS



 **Tecnosystemi**[®]
group

WHY CHOOSE PRODUCTS MADE OF PLASTIC MATERIAL

Plastic is a condensation-resistant material due to several physical and chemical properties. It has **low thermal conductivity**: it prevents the rapid transfer of heat between the external and internal environments, reducing the formation of condensation. Its flexibility and ability to adapt to temperature changes without deforming also make it **resistant to thermal shocks**.

Plastic materials prevent the growth of fungi, mold, and bacteria, and ensure excellent wall insulation.



**LOW THERMAL
CONDUCTIVITY**



**CONDENSATION-
RESISTANT AND
EXCELLENT
INSULATION**



**RESISTANCE TO
THERMAL SHOCKS**



**PREVENTS THE
FORMATION OF
VIRUSES, MOLD,
AND BACTERIA**



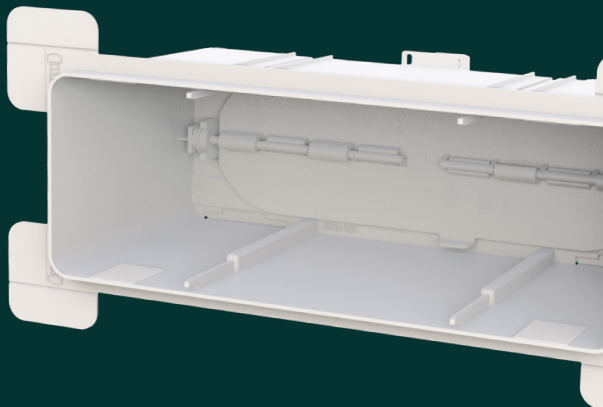
 **EPD**[®]
THE INTERNATIONAL EPD[®] SYSTEM

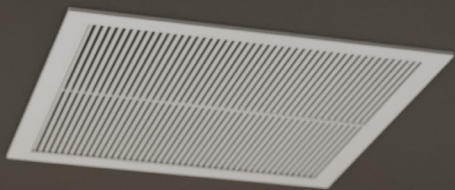
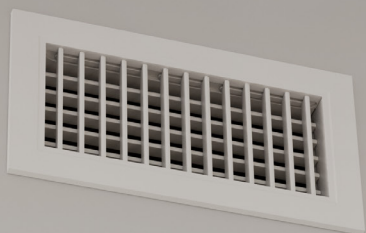
BPAP

White ABS plastic supply and return grille,
condensation-resistant

PPS

Telescopic plenum in white,
condensation-resistant polystyrene





BPAP

DELIVERY/INTAKE GRILLE IN ANTI-CONDENSATION WHITE ABS PLASTIC



MADE IN ITALY

TECHNICAL SPECIFICATIONS

- One-piece moulded frame made of ABS plastic class V0 white ANTI-UVA
- Adjustable tear drop-shaped flaps with 20 mm centre distance in ABS class V0, easily adjustable with simultaneous motion
- Can be coupled with “PPA” plenum with clip fastening

The BPAP delivery/intake grille in anti-condensation ABS plastic, designed by Tecnosystemi, are the ideal solution for ensuring effective air distribution and preventing condensation formation within air conditioning systems.

The BPAP grille are designed for easy installation and adaptability to various system configurations. Thanks to their ergonomic and compact design, they can be seamlessly integrated into building architecture, ensuring a professional appearance.

The ABS plastic used in the production of BPAP grilles is well-known for its resistance to chemicals and UV rays, ensuring exceptional durability over time without the need for frequent maintenance.

Ideal for design environments

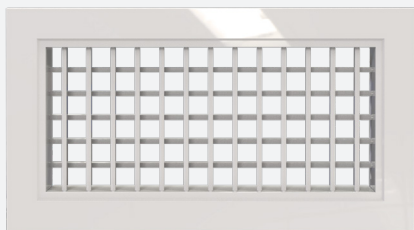
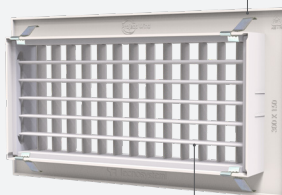



Image refers to the model PWD100014

Fixing with clips




Adjustable fins

CODE	DESCRIPTION	EXTERNAL FRAME [mm]	BACK NECK [mm]	INST. HOLE [mm]	REAR COLLAR DEPTH [mm]	U.M.	 Pieces per box
PWD100015	ABS SUPPLY GRILLE 200X100	234 xw 134	200 x 100	185 x 85	40	PCS	1
PWD100016	ABS SUPPLY GRILLE 300X100	334 x 134	300 x 100	285 x 85	40	PCS	1
PWD100014	ABS SUPPLY GRILLE 300X150	334 x 184	300 x 150	285 x 135	40	PCS	1
NEW PWD100035*	ABS SUPPLY GRILLE 300X200	334 x 234	300 x 200	285 x 158	40	PCS	1
NEW PWD100034*	ABS SUPPLY GRILLE 400X100	434 x 134	400 x 100	385 x 85	40	PCS	1
NEW PWD100032*	ABS SUPPLY GRILLE 400X150	434 x 184	400 x 150	385 x 135	40	PCS	1
NEW PWD100033*	ABS SUPPLY GRILLE 400X200	434 x 184	400 x 200	385 x 185	40	PCS	1
NEW PWD100031*	ABS SUPPLY GRILLE 500X100	534 x 134	500 x 100	485 x 85	40	PCS	1
NEW PWD100024*	ABS SUPPLY GRILLE 500X150	534 x 184	500 x 150	485 x 135	40	PCS	1
NEW PWD100025*	ABS SUPPLY GRILLE 500X200	534 x 234	500 x 200	485 x 185	40	PCS	1

*Available from June 2026

BPAP models in white anti-condensation ABS plastic with central baffle

CODE	DESCRIPTION	EXTERNAL FRAME [mm]	BACK NECK [mm]	INST. HOLE [mm]	REAR COLLAR DEPTH [mm]	U.M.	 Pieces per box
PWD100017	ABS SUPPLY GRILLE 400X100 - CENTRAL BLADE	434 x 134	400 x 100	385 x 85	40	PCS	1
PWD100018	ABS SUPPLY GRILLE 400X150 - CENTRAL BLADE	434 x 184	400 x 150	385 x 135	40	PCS	1

For air throws or other technical data, please refer to the technical data sheet.

QUICK SELECTION TABLES *

With reference to the sound power level

200 x 100

A-weighted sound power level	Airflow	Pressure drop
LWA dB(A)	Q (m ³ /h)	Δp (Pa)
20 dB(A)	56.5	2.4
25 dB(A)	139.5	13.6
30 dB(A)	222.6	34.0

300 x 100

A-weighted sound power level	Airflow	Pressure drop
LWA dB(A)	Q (m ³ /h)	Δp (Pa)
30 dB(A)	90.2	2.9
35 dB(A)	188.1	10.6
40 dB(A)	285.9	23.1
45 dB(A)	383.8	40.2

300 x 150

A-weighted sound power level	Airflow	Pressure drop
LWA dB(A)	Q (m ³ /h)	Δp (Pa)
30 dB(A)	185.3	3.4
35 dB(A)	229.7	5.1
40 dB(A)	276.4	7.4
45 dB(A)	325.8	10.1
50 dB(A)	378.5	13.6

300 x 200

A-weighted sound power level	Airflow	Pressure drop
LWA dB(A)	Q (m ³ /h)	Δp (Pa)
30 dB(A)	137.0	0.9
35 dB(A)	204.5	2.0
40 dB(A)	276.0	3.7
45 dB(A)	352.0	6.1
50 dB(A)	433.2	9.4

400 x 100

A-weighted sound power level	Airflow	Pressure drop
LWA dB(A)	Q (m ³ /h)	Δp (Pa)
30 dB(A)	94.6	1.7
35 dB(A)	131.4	3.0
40 dB(A)	182.1	5.5
45 dB(A)	253.2	10.2
50 dB(A)	351.9	19.1

400 x 150

A-weighted sound power level	Airflow	Pressure drop
LWA dB(A)	Q (m ³ /h)	Δp (Pa)
30 dB(A)	150.8	1.5
35 dB(A)	184.6	2.2
40 dB(A)	223.7	3.0
45 dB(A)	271.3	4.3
50 dB(A)	329.6	6.2

400 x 200

A-weighted sound power level	Airflow	Pressure drop
LWA dB(A)	Q (m ³ /h)	Δp (Pa)
30 dB(A)	194.9	1.0
35 dB(A)	238.7	1.5
40 dB(A)	292.2	2.3
45 dB(A)	360.5	3.5
50 dB(A)	445.4	5.5

500 x 100

A-weighted sound power level	Airflow	Pressure drop
LWA dB(A)	Q (m ³ /h)	Δp (Pa)
30 dB(A)	217.1	4.8
35 dB(A)	281.7	7.7
40 dB(A)	348.6	11.5
45 dB(A)	420.1	16.5
50 dB(A)	497.6	22.7

500 x 150

A-weighted sound power level	Airflow	Pressure drop
Straight deflector	Q (m ³ /h)	Δp (Pa)
30 dB(A)	434.6	6.5
35 dB(A)	536.7	9.8
40 dB(A)	644.3	13.8
45 dB(A)	757.3	18.9
50 dB(A)	874.9	25.0

500 x 200

A-weighted sound power level	Airflow	Pressure drop
LWA dB(A)	Q (m ³ /h)	Δp (Pa)
30 dB(A)	411.9	2.9
35 dB(A)	503.9	4.4
40 dB(A)	629.2	6.8
45 dB(A)	807.6	11.4
50 dB(A)	998.2	17.5

* The weighted sound power level data were measured using the BPAP outlet coupled with the corresponding Tecnosystemi plenum.

ZEFIRO BOX

WHITE POLYSTYRENE PLENUM

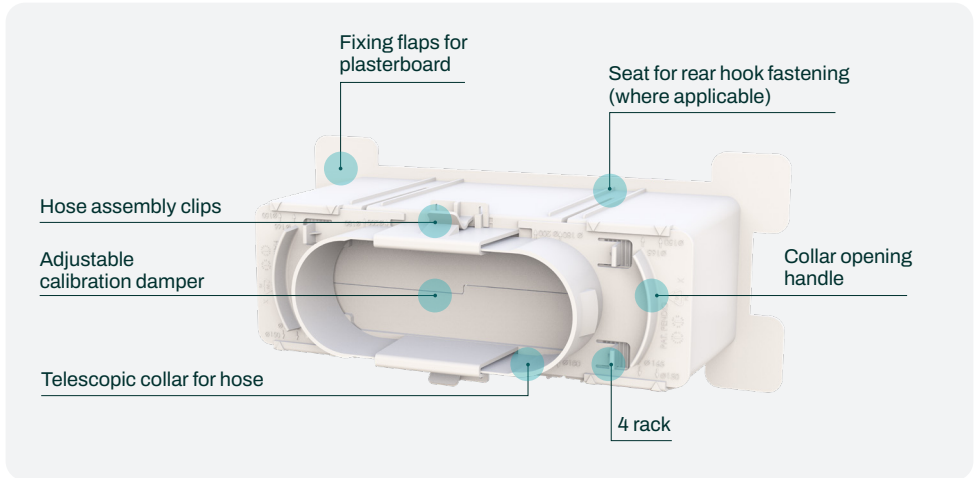
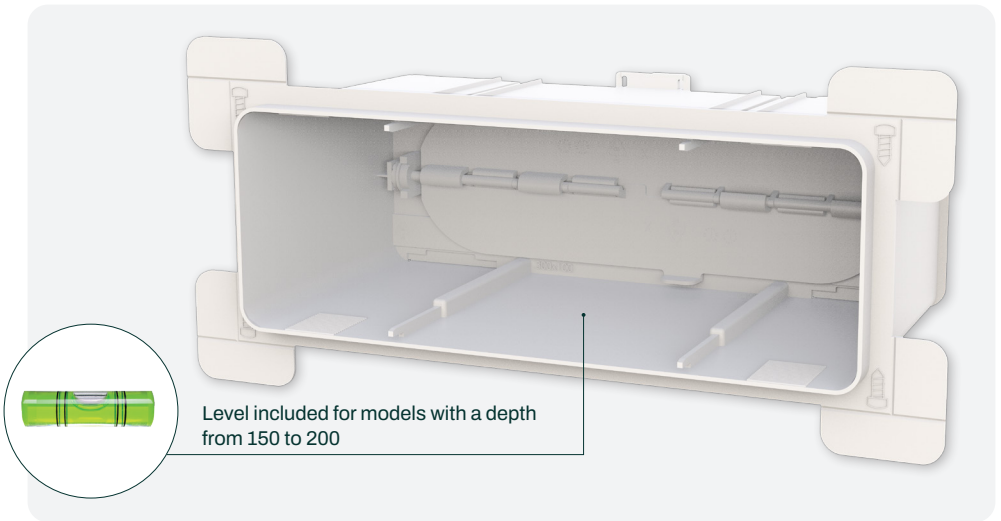


TECHNICAL SPECIFICATIONS

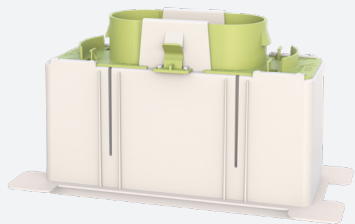
- Made in PS plastic (polystyrene)
- Adjustable calibration damper
- Hook between the grille and plenum with polystyrene clips
- Telescopic rear collar for hoses of various diameters
- Fixing on both plasterboard and brick
- Fixing on plasterboard with self-threading screws on the 4 side flaps
- Built-in spirit level

The plenum allows for easy installation and integration with the existing ventilation system.

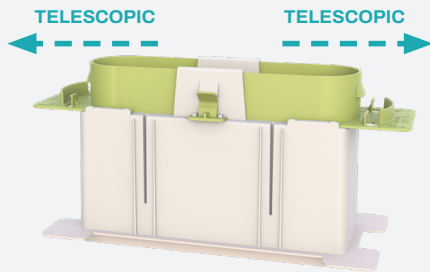
It is equipped with adjustable balancing dampers that enable the regulation of airflow within the environment. Protruding hooks are present on the collar to securely hold the ventilation duct in place.



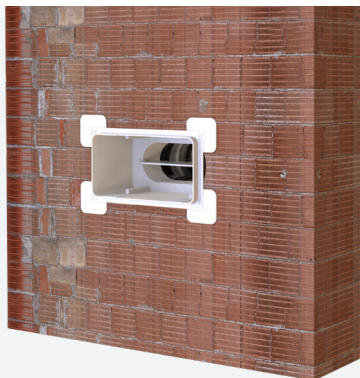
DETAIL TELESCOPIC REAR COLLAR FOR HOSES OF VARIOUS DIAMETERS (150-165-180-200)



CLOSED COLLAR



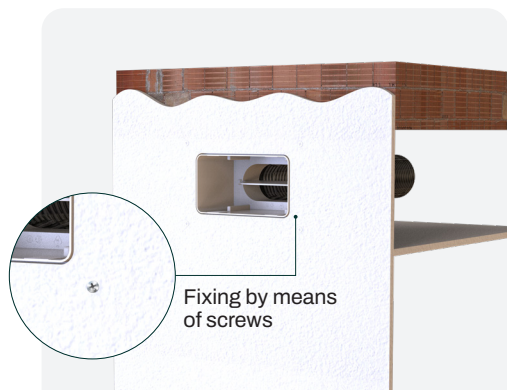
OPEN COLLAR



Example of fixing on masonry



Example of fixing on masonry with plaster



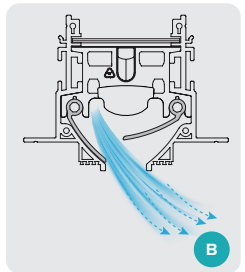
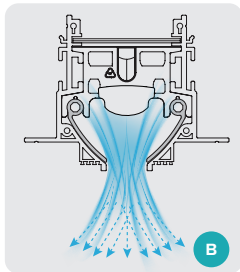
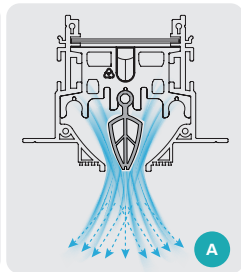
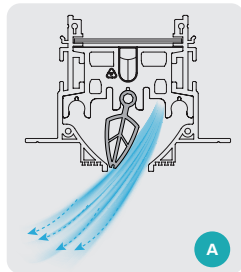
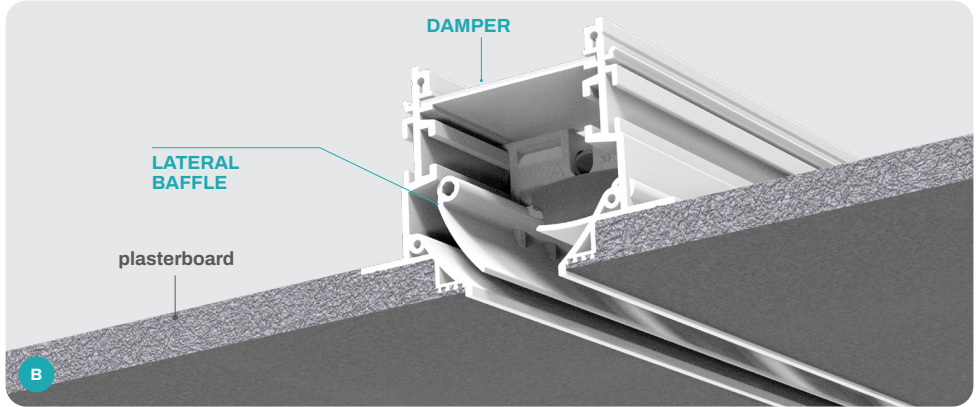
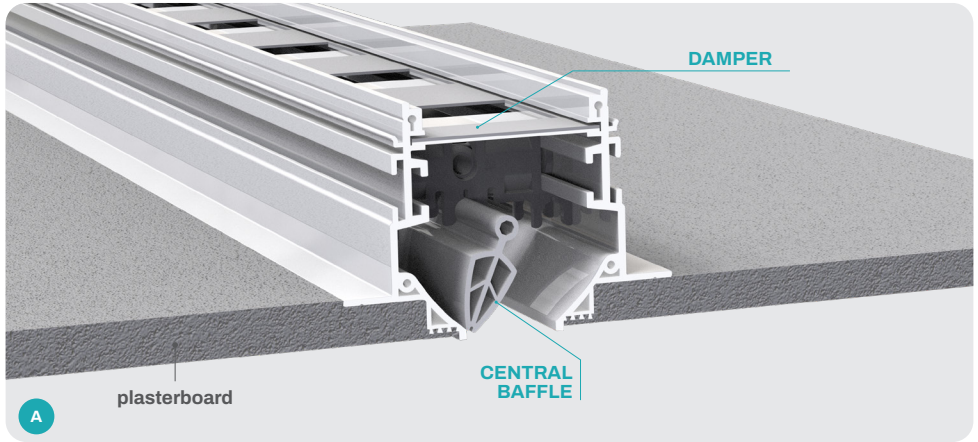
Example of fixing on plasterboard



Example of fixing on plasterboard with BPAP model grille

LINEAR RETRACTING DELIVERY AND INTAKE DIFFUSERS IN ANTI-CONDENSATE PVC PLASTIC

NEW



EXAMPLE OF VERTICAL FLOW
Retracting linear delivery diffuser in aluminium with damper, insulated plenum and central baffle

EXAMPLE OF VERTICAL FLOW
Retracting linear delivery diffuser in aluminium with damper, insulated plenum and lateral baffle

LINEAR RETRACTING DELIVERY AND INTAKE DIFFUSERS IN ANTI-CONDENSATE PVC PLASTIC WITH INSULATED PLENUM

EPD®
THE INTERNATIONAL EPD® SYSTEM

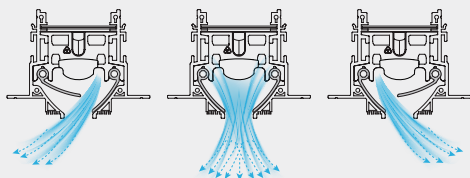


MADE IN ITALY

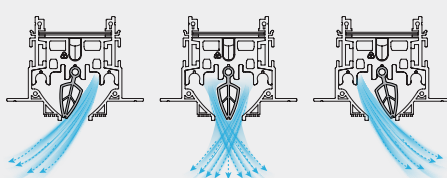


Also available in the retractable version
without plenum.

LINEAR RETRACTING INTAKE DIFFUSER



Delivery
with lateral baffle



Delivery
with damper and central baffle

FEATURES:

LENGTH: 600 - 800 - 1000 - 1500 - 2000 mm

COLOR: White and black matt versions
in PVC and white matt aluminium versions

VERSIONS: 20 and 30 mm

MODELS:

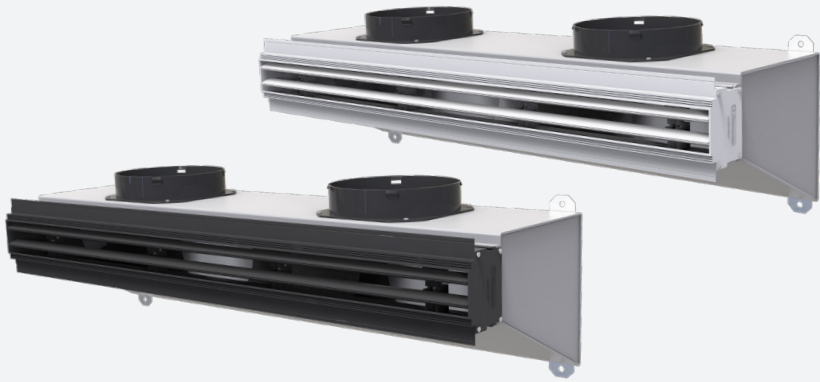
Delivery with lateral baffle

Delivery with damper and central baffle

RECESSED LINEAR DIFFUSER

IN ANTI-CONDENSATION PVC PLASTIC WITH 2
CENTRAL DEFLECTORS, 58 MM SLOT

NEW

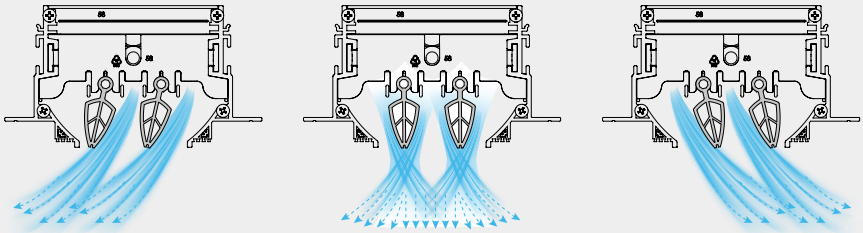


MADE IN ITALY



Also available in the retractable version
without plenum.

LINEAR RETRACTING INTAKE DIFFUSER



FEATURES:

LENGTH: 600 - 800 - 1000 - 1500 - 2000 mm

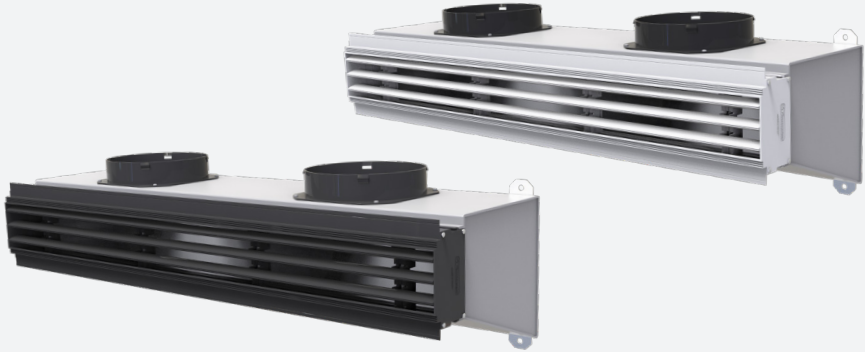
COLOR: White and black matt versions

VERSIONS: 58 mm

RECESSED LINEAR DIFFUSER

IN ANTI-CONDENSATION PVC PLASTIC WITH 3
CENTRAL DEFLECTORS, 88 MM SLOT

NEW

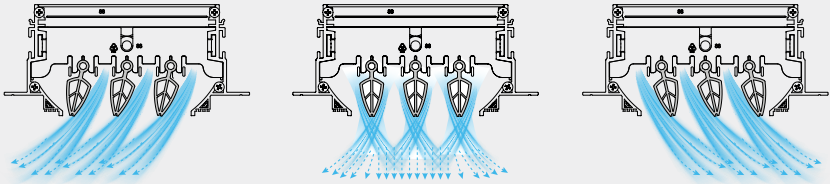


MADE IN ITALY



Also available in the retractable version
without plenum.

LINEAR RETRACTING INTAKE DIFFUSER



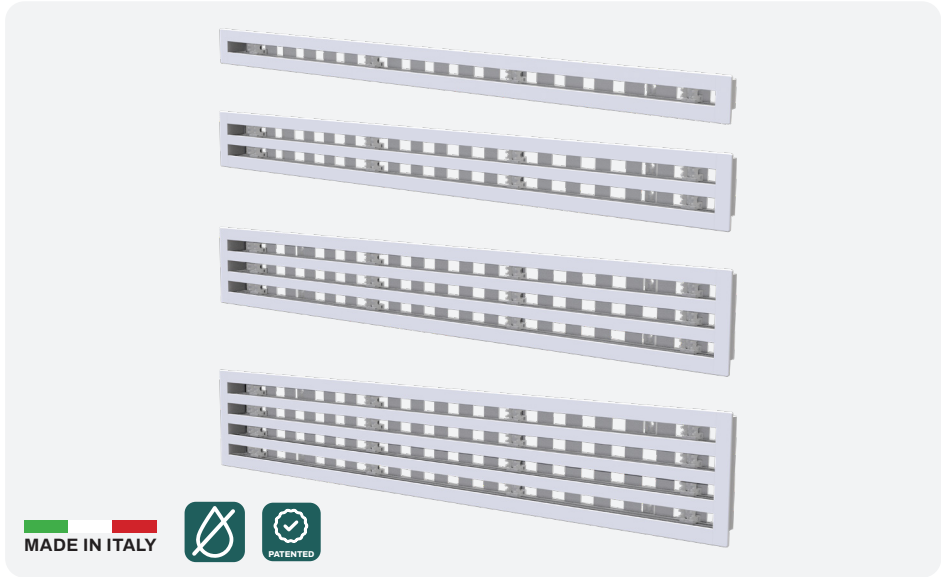
FEATURES:

LENGTH: 600 - 800 - 1000 - 1500 - 2000 mm

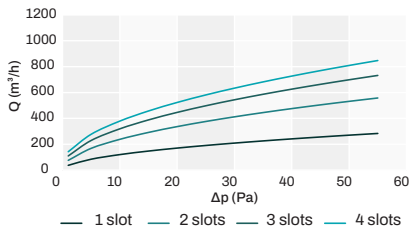
COLOR: White and black matt versions

VERSIONS: 88 mm

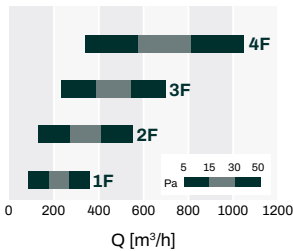
LINEAR DELIVERY DIFFUSERS IN ANTI-CONDENSATE PVC PLASTIC WITH DAMPER 1-2-3-4 SLOTS



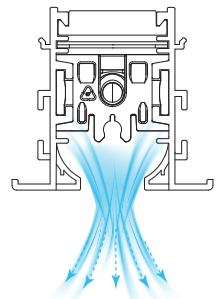
LOAD CAPACITY AND PRESSURE DROP CURVES



RAPID AIR FLOW SELECTION



EXAMPLE OF VERTICAL FLOW*



Available also in aluminium version

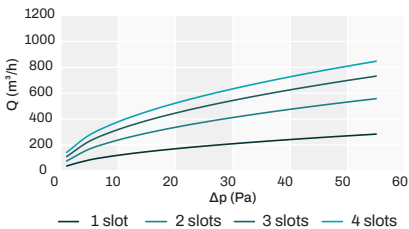
MODEL	Ak [m²]	Qv min [m³/h]	Qv max [m³/h]	Lwa min [dB(A)]	Lwa max [dB(A)]	DP min [Pa]	DP max [Pa]
1 slot	0.021	120	270	32	46	10	50
2 slots	0.042	240	530	33	47	10	50
3 slots	0.063	320	700	34	48	10	50
4 slots	0.084	380	810	35	49	10	50

*Example of vertical flow on diffuser 1 slot

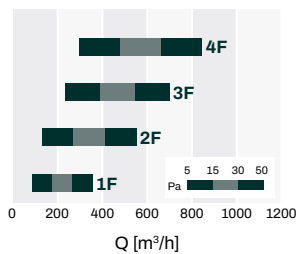
LINEAR DELIVERY DIFFUSERS IN ANTI-CONDENSATE PVC PLASTIC WITH DAMPER AND CENTRAL BAFFLE 1-2-3-4 SLOTS



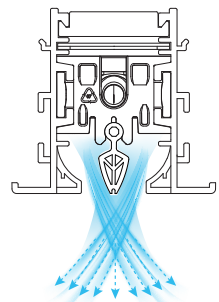
LOAD CAPACITY AND PRESSURE DROP CURVES



RAPID AIR FLOW SELECTION



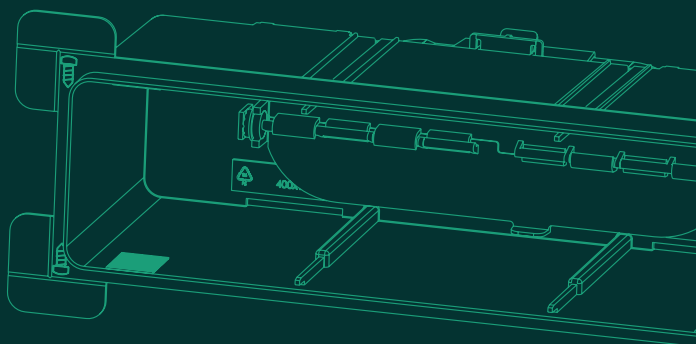
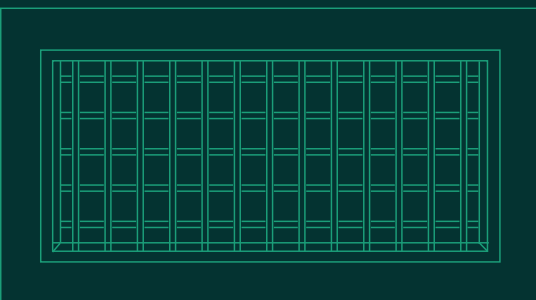
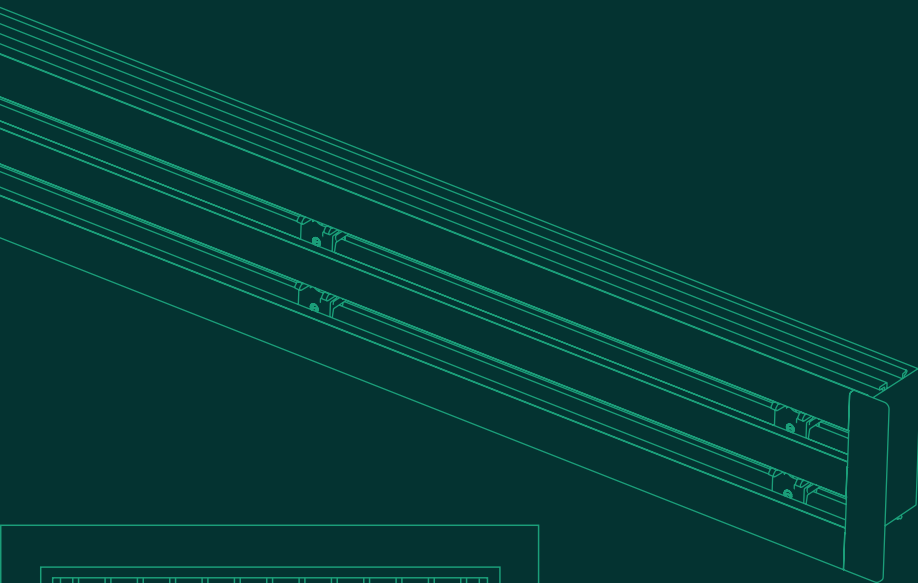
EXAMPLE OF VERTICAL FLOW*



Available also in aluminium version

MODEL	Ak [m²]	Qv min [m³/h]	Qv max [m³/h]	Lwa min [dB(A)]	Lwa max [dB(A)]	DP min [Pa]	DP max [Pa]
1 slot	0.021	120	270	32	46	10	50
2 slots	0.042	240	530	33	47	10	50
3 slots	0.063	320	700	34	48	10	50
4 slots	0.084	380	810	35	49	10	50

*Example of vertical flow on diffuser 1 slot



Tecnosystemi S.p.A. Società Benefit

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C.F. - P.IVA - R.I. TV IT02535780247 - Cap. Soc. € 5.000.000,00 i.v.

