

Aeraulic distribu-
tion system **EN**
Technical catalogue

N421368A Rev.01 04/2026

SYSTEM CATALOGUE

Aeraulic distribution system
for Aquarea vent

1. EXTERNAL TERMINALS

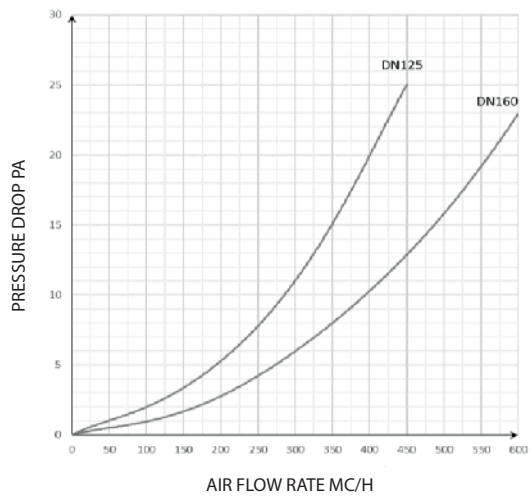
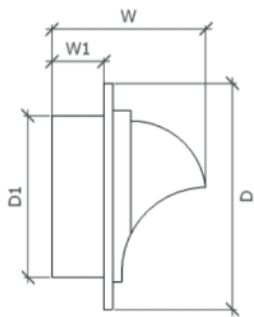
1.1 External wall air vent with flow deviation

External grille in stainless steel for maximum rigidity and corrosion resistance. Suitable for supply and exhaust of external air.

Fixing clips are present on the neck with inclination similar to that of the coupling to improve tightness

The external finish consists of an insect screen and blades to direct the flow.

The additional external casing allows supply and exhaust in close position by orienting the flows divergently.

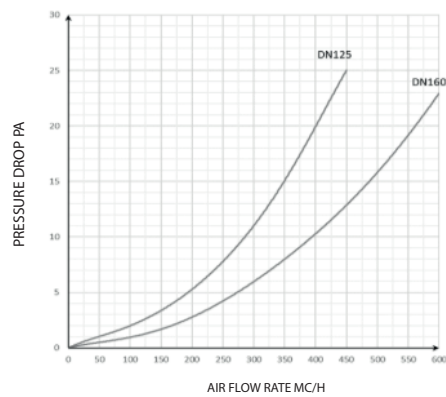
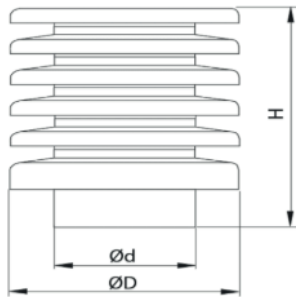


Code	Description	Material	D	D ¹	W/W ¹	Weight	Quantity
			mm	mm	mm	kg	pcs
PCZ-STE016181	DN 160, max 500 m ³ /h	Steel	208	157	110/52	0,47	1

1.2 Roof terminal

Roof terminal in galvanized steel with special anti-rain aesthetic design.

The female neck fits directly onto the roof penetration tile.

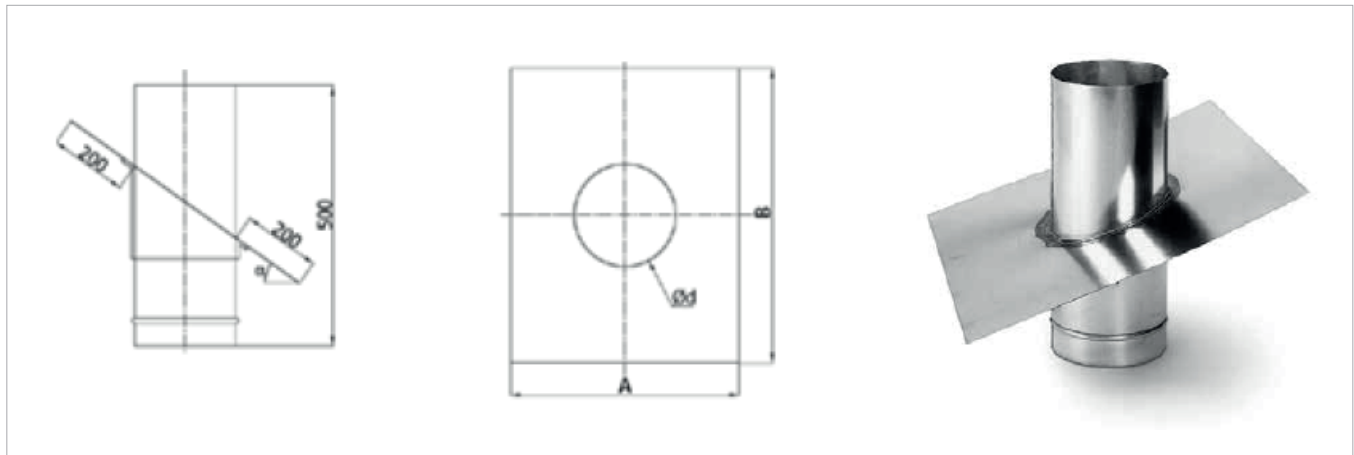


Code	Description	Material	D	D ¹	W/W ¹	Weight	Quantity
			mm	mm	mm	kg	pcs
PCZ-STE016175	DN 160, max 500 m ³ /h	Steel	250	160	223	1,36	1

1.3 Roof terminal

Roof penetration tile in galvanized steel.
The central male/male body connects directly to roof terminals on one side and to the central ducting on the other.

Codes for flat roofs or 45° sloping roofs

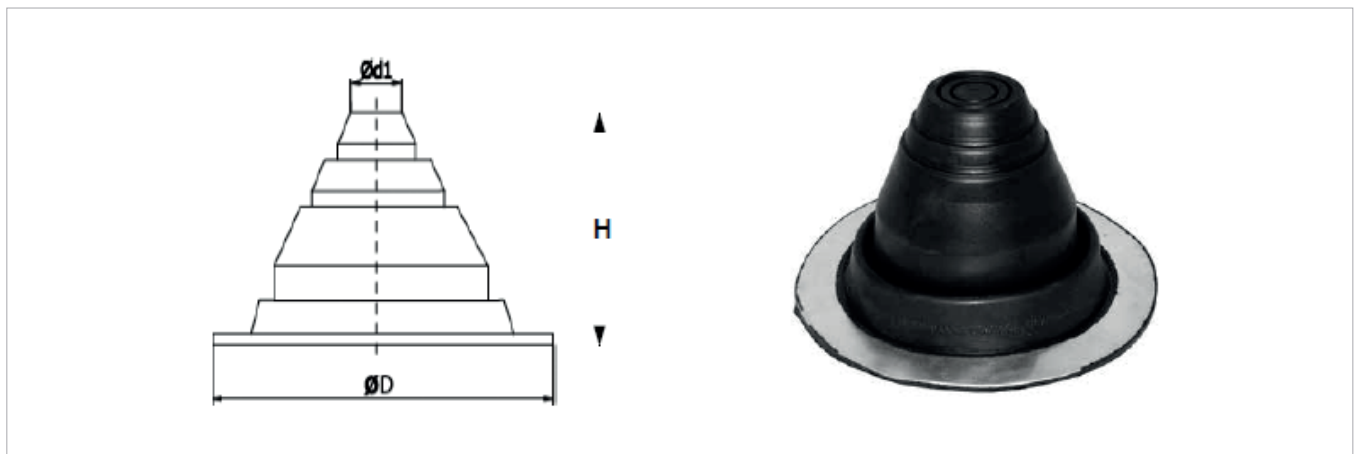


Code	Description	Material	D	A/B	H	Weight	Quantity
			mm	mm	mm	kg	pcs
PCZ-STE016190	for flat roof	Steel	160	600/600	500	1,98	1
PCZ-STE016191	for 45° sloping roof	Steel	160	600/600	500	2,34	1

1.4 Through insulation collar

Insulated reduction for roof crossing in EPDM.
Highly resistant to temperature and ultraviolet rays, easily combinable with roof penetration tiles.

The terminal part is made of aluminium so that it can be deformed according to the external roof slope.

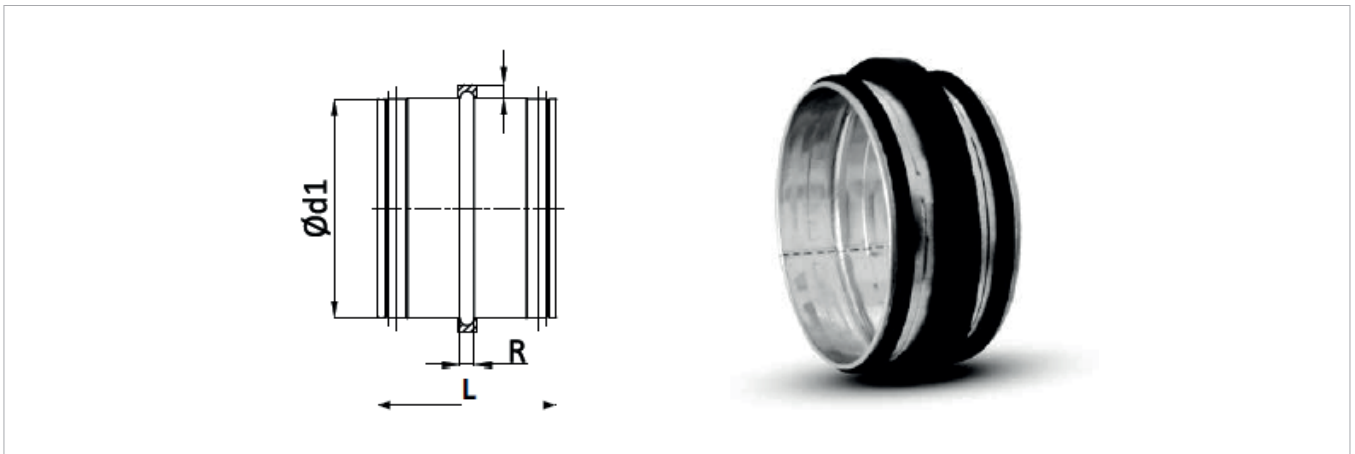


Code	Description	Material	D	D ¹	H	Weight	Quantity
			mm	mm	mm	kg	pcs
PCZ-STE080189	DN 125, max 200 m ³ /h	EPDM	224	130	80	0,34	1

2. INSULATED JUNCTIONS

2.1 Male / male joint

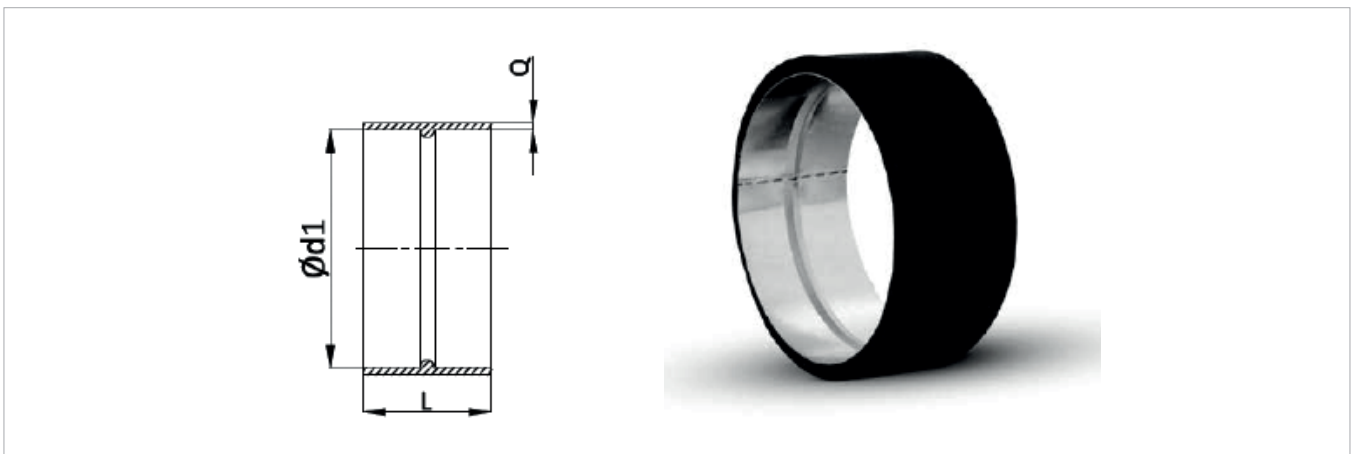
Insulated male/male joint in galvanized steel with EPDM gaskets for perfect tightness of couplings



Code	Description	Material	D	D ¹	L	Weight	Quantity
			mm	mm	mm	kg	pcs
PCZ-SRA116110	DN 160mm, M/M	Steel / PS	168	158	78	0,21	1

2.2 Female / female sleeve

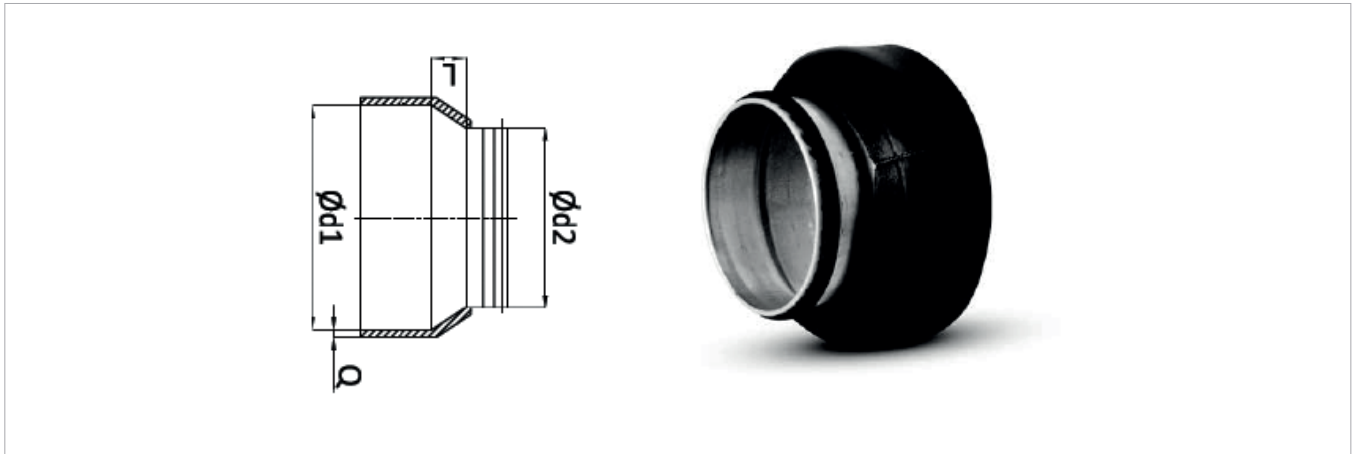
Insulated female/female sleeve in galvanized steel with EPDM gaskets for perfect tightness of couplings



Code	Description	Material	D	D ¹	L	Weight	Quantity
			mm	mm	mm	kg	pcs
PCZ-SRA116120	DN 160mm, F/F	Steel / PS	172	162	78	0,17	1

2.3 Female / male reduction

Symmetrical female/male reducer in galvanized steel with EPDM gaskets for perfect tightness of couplings



Code	Description	Material	D ¹	D ²	L/L ¹	Weight	Quantity
			mm	mm	mm	kg	pcs
PCZ-SRA112132	DN 160mm DN 125mm, F/M	Steel / PS	162	123	80/30	0,23	2
PCZ-SRA116132	DN 200mm DN 160mm, F/M	Steel / PS	202	158	80/25	0,30	2

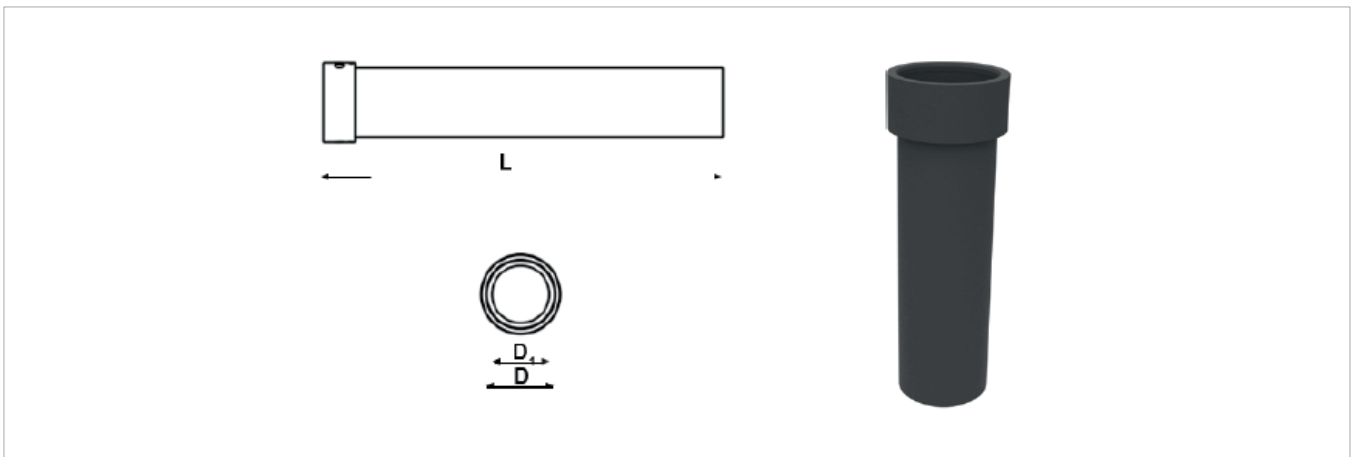
3. CENTRAL EPP DUCTS

3.1 Rigid ducts in EPP

Rigid insulating vapour-tight duct made of EPP, extremely lightweight and including one F/F sleeve for quick and easy connection to the rest of the system.

Suitable for supply, exhaust, delivery to the supply manifold and return from the return manifold. Connectable by simple pressure and easily cut on site.

Operating temperature $-25/+80^{\circ}$ Insulation level 0.042 W/mK



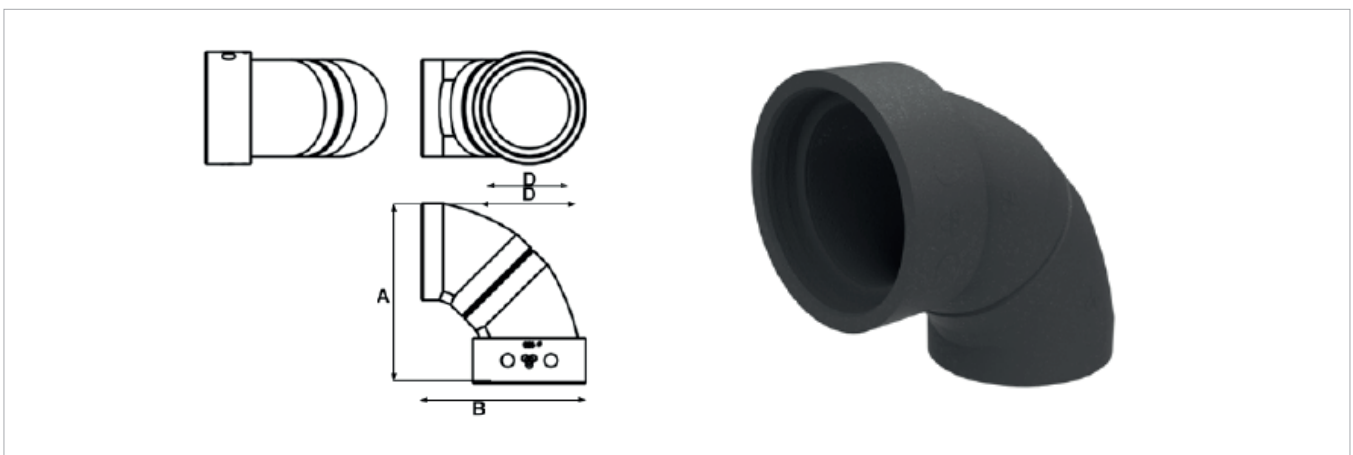
Code	Description	Material	D	D ¹	L	Weight	Quantity
			mm	mm	mt	kg	pcs
PCZ-SCE116010	DN 160, in bars	EPP	190	160	1	0,50	1
PCZ-SCE116001	DN 160, in bars	Aluminium/PL	190	160	1	0,50	1

3.2 90° angle EPP ducts

90° insulating vapour-tight angle made of EPP, extremely lightweight and including one F/F sleeve for quick and easy connection to the rest of the system.

Connectable by simple pressure and easily cut on site. Thanks to the central guide groove it can be divided into 2 angles of 45°.

Operating temperature $-25/+80^{\circ}$ Insulation level 0.042 W/mK

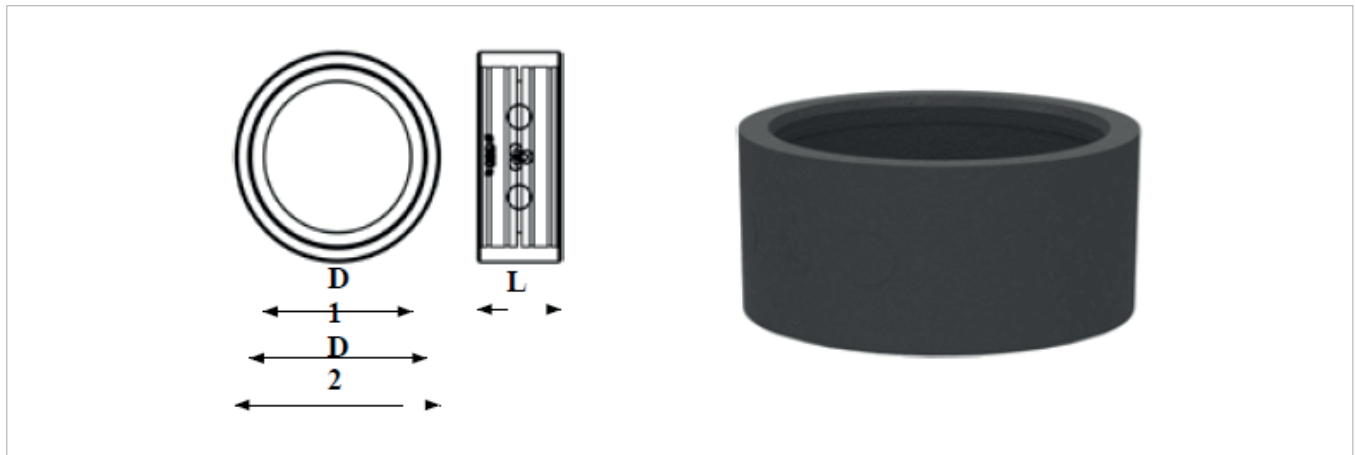


Code	Description	Material	D	D ¹	L	Weight	Quantity
			mm	mm	mm	kg	pcs
PCZ-SCS116090	curve 90° DN 160	EPP	190	160	32x31	0,20	1

3.3 EPP duct connection joint

Insulating vapour-tight F/F sleeve made of EPP, extremely lightweight for quick and easy connection of the various system components.

Connectable by simple pressure.
 Operating temperature -25/+80°
 Insulation level 0.042 W/mK



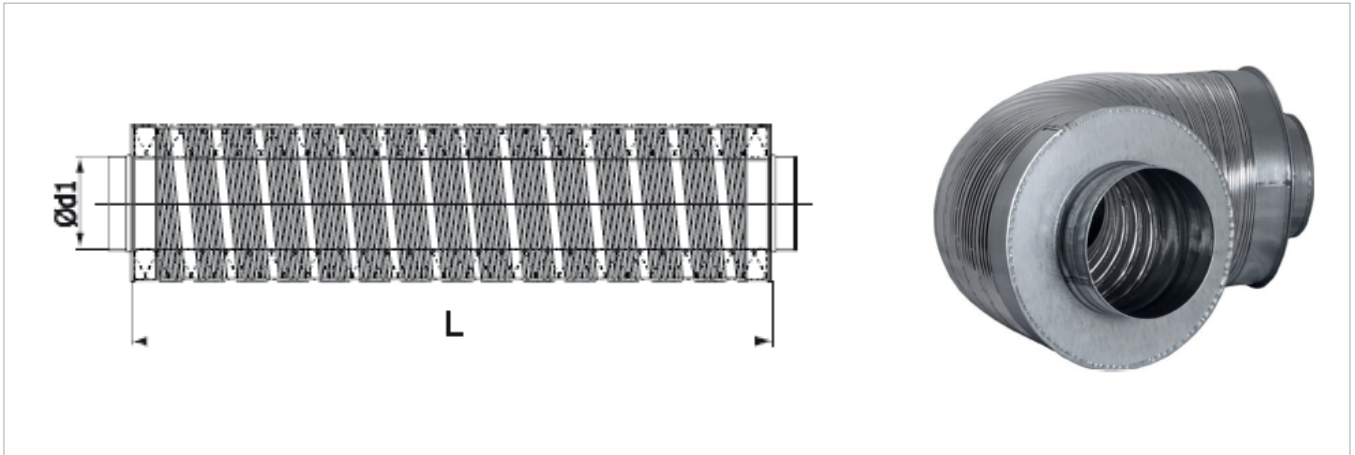
Code	Description	Material	D	D ¹	L	Weight	Quantity
			mm	mm	mm	kg	pcs
PCZ-SCS116120	DN 160, in bars	EPP	190	160	80	0,50	1

4. FLEXIBLE PIPES FLEX SYS

4.1 Flexible silencers

The flexible silencer consists of two AF-AL flexible pipes, one inserted into the other. The thickness of the sound insulation is 25 mm and both ends of the silencer are equipped with male reductions.

Insulating material: glass wool with spiral insulation, flexible
Temperature range: from -20 °C to +140 °C
Thermal insulation performance of mineral wool: $\lambda = 0.034 \text{ W/mK}$ at 24 °C



Code	Description	Material	D	D ¹	L	Weight	Quantity
			mm	mm	mm	kg	pcs
PCZ-SCE216001	Silencers DN 160	AF / AL	310	160	1000	1,75	1

Ød1 nominal (mm)	L (mm)	Noise reduction (dB) at frequency (Hz)						
		125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
125	1000	24	29	24	27	26	20	10
160	1000	14	23	22	25	24	19	9
200	1000	20	25	19	21	22	13	8

4.2 Clamps

Hose clamp cut to size for connecting flexible ducts to various junctions.

Versatile during installation.



Code	Description	Material	D	D ¹	L	Weight	Quantity
			mm	mm	mm	kg	pcs
PCZ-SCE099120	DN 60/325	Steel	60	325	9	0,05	10

4.3 Anti-condensation tape

Grey anti-condensation tape for external finishing of insulating sheaths.

Closed-cell expanded elastomer, highly flexible, suitable for hot and cold thermal insulation, free from flame retardants

and halogenated components, with low toxicity in case of fire.



Code	Description	Material	O	H	L	Weight	Quantity
			mm	mm	mt	kg	pcs
PCZ-SCE199121	In rolls with adhesive and protection	FeF	3	50	15	0,18	1

4.4 Aluminium tape

Aluminium tape for sealing joints between flexible ducts and male connections

Aluminium tape for sealing joints between flexible ducts and connections, resistant to high temperatures and self-adhesive for quick installation;



Code	Description	Material	O	H	L	Weight	Quantity
			mm	mm	mt	kg	pcs
PCZ-SCE199122	In rolls with adhesive and protection	Aluminium	1	50	15	0,18	1

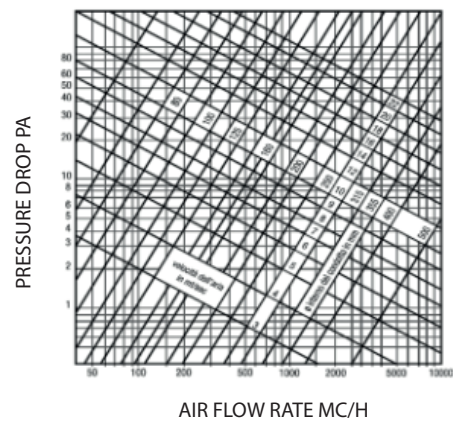
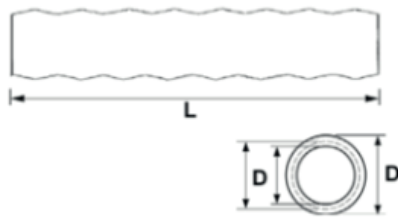
4.5 Acoustic flex ducts

Flexible duct made with aluminium-polyester-aluminium micro-perforated wall for noise attenuation of air flow.

Thermal insulation coating in polyester fibre (thickness 25mm -16kg/m³)
Operating temperature: -30/+140°C



Code	Description	Material	D	D ¹	L	Weight	Quantity
			mm	mm	mm	kg	pcs
PCZ-SCE316010	DN 160, in coils	Aluminium/PL	210	160	10	4,00	10



5. ROUND CORRUGATED PIPES

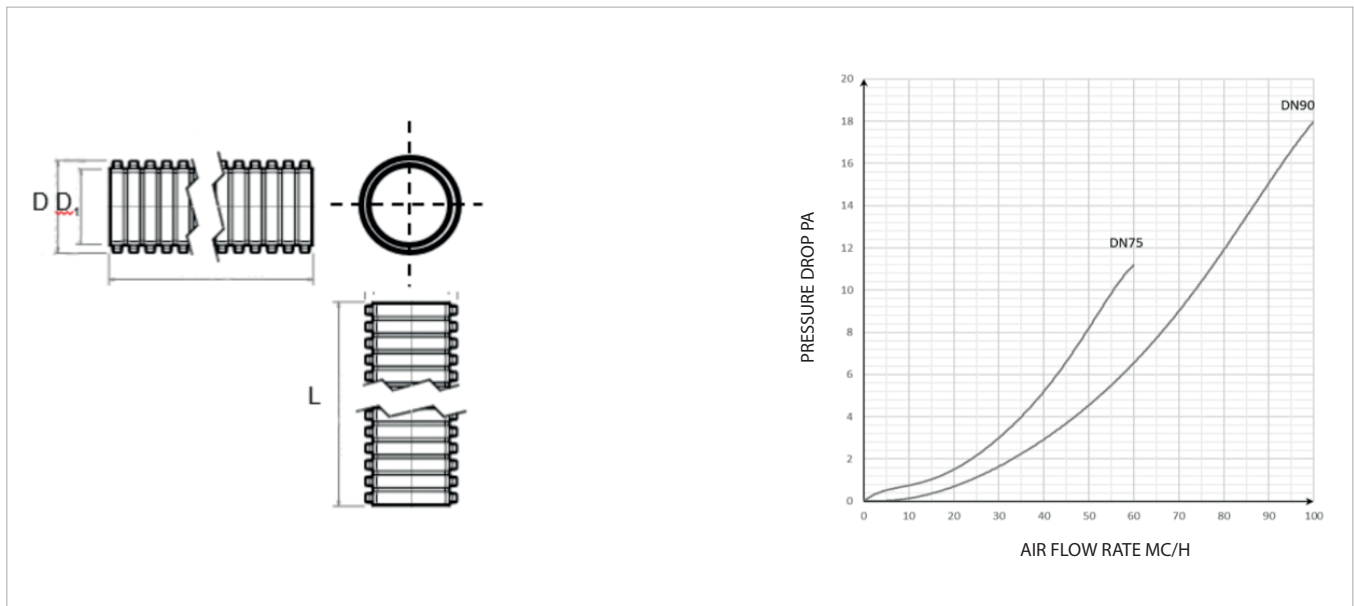
5.1 Round corrugated pipes

Highly flexible, double corrugated outer layer and smooth inner layer, with additional antistatic and antibacterial treatment of the inner surface to ensure easy cleaning and high air flow together with the exclusive hygienically certified compound.
For installation in boilers, false ceilings or walls.

Operating temperature: -25/+60°C
Compression resistance EN ISO 9969: >8 kN/m²
Air flow according to DIN 1946/6:
DN75: max 30 m³/h
DN90: max 45 m³/h



Code	Description	Material	D	D ¹	LB	Weight	Quantity
			mm	mm	mt	kg	pcs
PCZ-SRS075050	DN 75mm, in rolls	HDPE	76	63	50	15	1



5.2 Round corrugated duct accessories - F/F sleeve

F/F sleeve for coupling round duct sections. Internal end-stop profiles prevent excessive insertion of the ducts.



Code	Description	Material	D	D ¹	W	Weight	Quantity
			mm	mm	mm	kg	pcs
PCZ-SRS075120	DN 75mm	HDPE	76	63	50	0,04	1

5.3 Round corrugated duct accessories - O-ring

Sealing ring gasket for round duct. Thanks to the properties of the special material, lubricants are not required



Code	Description	Material	D	D ¹	W	Weight	Quantity
			mm	mm	mm	kg	pcs
PCZ-SRS075145	DN 75mm	EPDM	67	59	4	0,01	10

5.4 Round corrugated duct accessories - caps

Blind sealing cap for hygienic protection of the inside of round duct systems.



Code	Description	Material	D	D ¹	W	Weight	Quantity
			mm	mm	mm	kg	pcs
PCZ-SRS075150	DN 75mm	PE	71	54	31	0,01	1

5.5 Round corrugated duct accessories - fixing clips

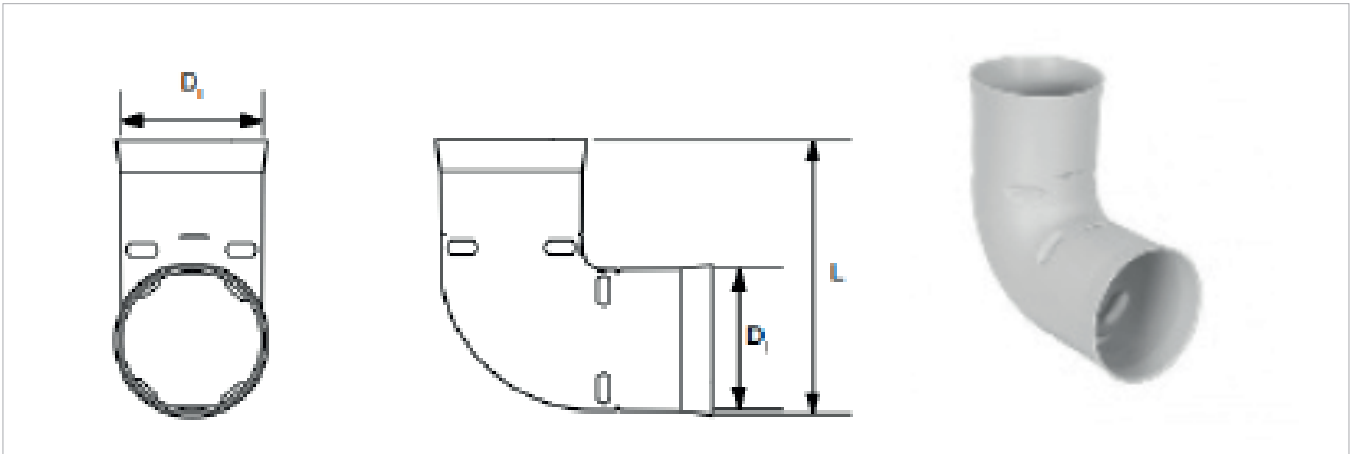
Fixing clips for round corrugated pipes with push-fit connection, made of plastic material



Code	Description	Material	D	D ¹	W	Weight	Quantity
			mm	mm	mm	kg	pcs
PCZ-SRS075155	DN 75mm	ABS	67	59	4	0.01/A	1

5.6 Round corrugated duct accessories - 90° bends

90° bend to allow tight bending radii



Code	Description	Material	D	D ¹	W	Weight	Quantity
			mm	mm	mm	kg	pcs
PCZ-SRS075160	DN 75mm including two O-rings	PVC	8	8	21	0,11	1

6. MANIFOLDS

6.1 Insulated manifolds

Universal manifold in galvanized sheet metal internally lined on all sides with insulating material of suitable thickness.

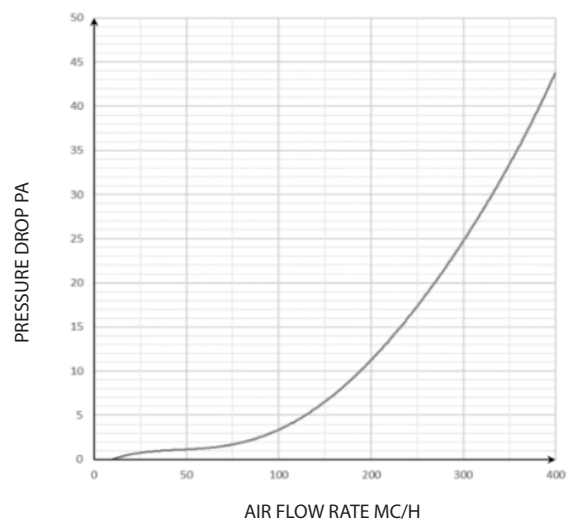
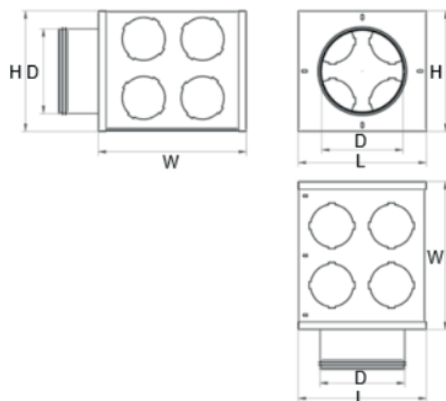
Pre-cut closed outlets to be opened on site according to the desired connection configuration:

- 4 straight connections DN 75/90 mm.

- 4 perpendicular connections DN 75/90 mm left side.
- 4 perpendicular connections DN 75/90 mm right side.
- 4 perpendicular connections DN 75/90 mm upper side.
- Supply: 2 anchoring brackets



Code	Description	DN	Material	H	L	W	Weight	Quantity
				mm	mm	mm	kg	pcs
PCZ-SCO164044	4x + 4x + 4x + 4x DN 75/90mm	160	Steel	220	220	275	2,9	1



6.2 Insulated manifolds for round corrugated conduits

Universal manifold in galvanized sheet metal internally lined on all sides with insulating material of suitable thickness.

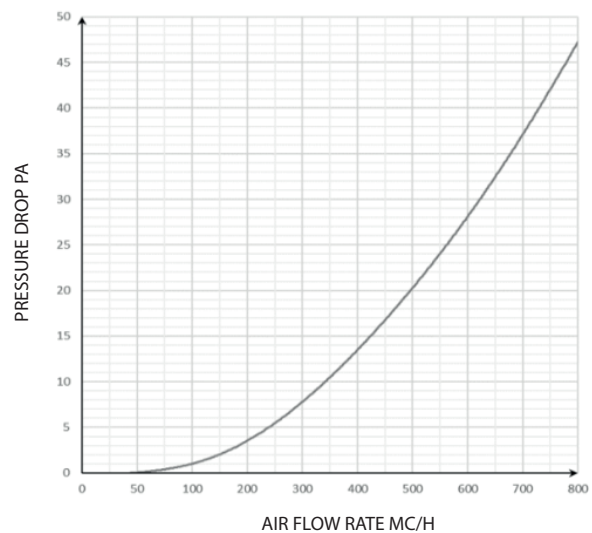
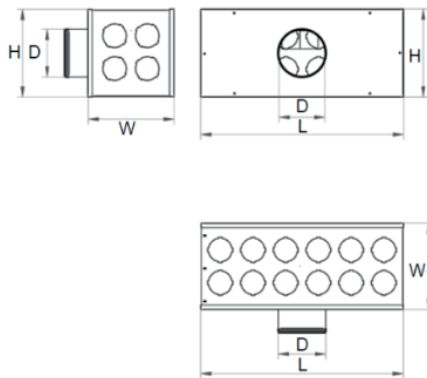
Pre-cut closed outlets to be opened on site according to the desired connection configuration:

- 8 straight connections DN 75/90 mm.

- 4 perpendicular connections DN 75/90 mm left side.
- 4 perpendicular connections DN 75/90 mm right side.
- 8 perpendicular connections DN 75/90 mm upper side.
- Supply: 4 anchoring brackets



Code	Description	DN	Material	H	L	W	Weight	Quantity
				mm	mm	mm	kg	pcs
PCZ-SCO164084	8x + 4x + 4x + 8x DN 75/90mm	160	Steel / PS	220	445	275	3,6	1



6.3 Insulated manifolds for round corrugated conduits

Universal manifold in galvanized sheet metal internally lined on all sides with insulating material of suitable thickness.

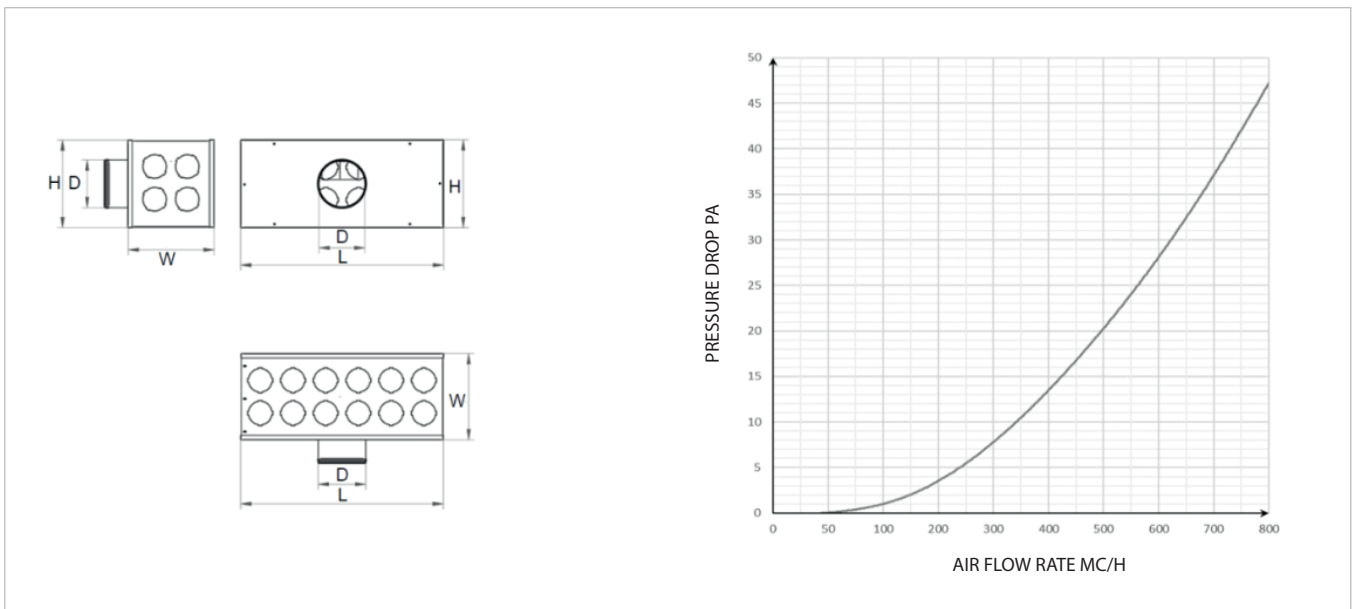
Pre-cut closed outlets to be opened on site according to the desired connection configuration:

- 12 straight front connections DN 75/90 mm.
- 4 perpendicular connections DN 75/90 mm left side.

- 4 perpendicular connections DN 75/90 mm right side.
- 12 perpendicular connections DN 75/90 mm upper side.
- Supply: 4 anchoring brackets



Code	Description	DN	Material	H	L	W	Weight	Quantity
				mm	mm	mm	kg	pcs
PCZ-SCO164124	12x + 4x + 4x + 12x DN 75/90mm	160	Steel	290	675	290	4,5	1



6.4 Round manifold outlet

M/F adapter for direct connection between manifold for round ducts and the ducts themselves.
 On one side it is equipped with internal end-stop profiles to prevent excessive insertion of the duct.
 On the other side, the threading, once inserted and rotated on the dedicated manifold design, ensures its fixing.
 Including gasket between junction and manifold plenum.



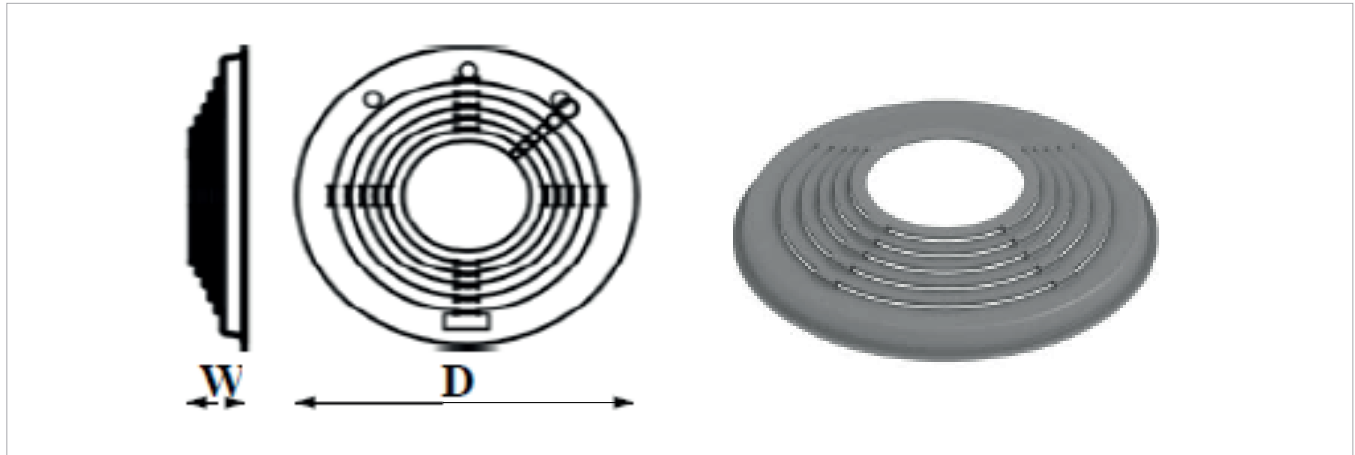
Code	Description	Material	D	D1	W	Weight	Quantity
			mm	mm	mm	kg	pcs
PCZ-SRS075140	DN 75mm	HDPE	80	75	95	0,04	4

7. DAMPERS

7.1 Static dampers for adjustment on the diffuser

Static constant flow limiter with removable concentric internal elements, for direct installation inside manifold/plenum outlets.

Depending on the number of concentric discs removed, the flow section increases

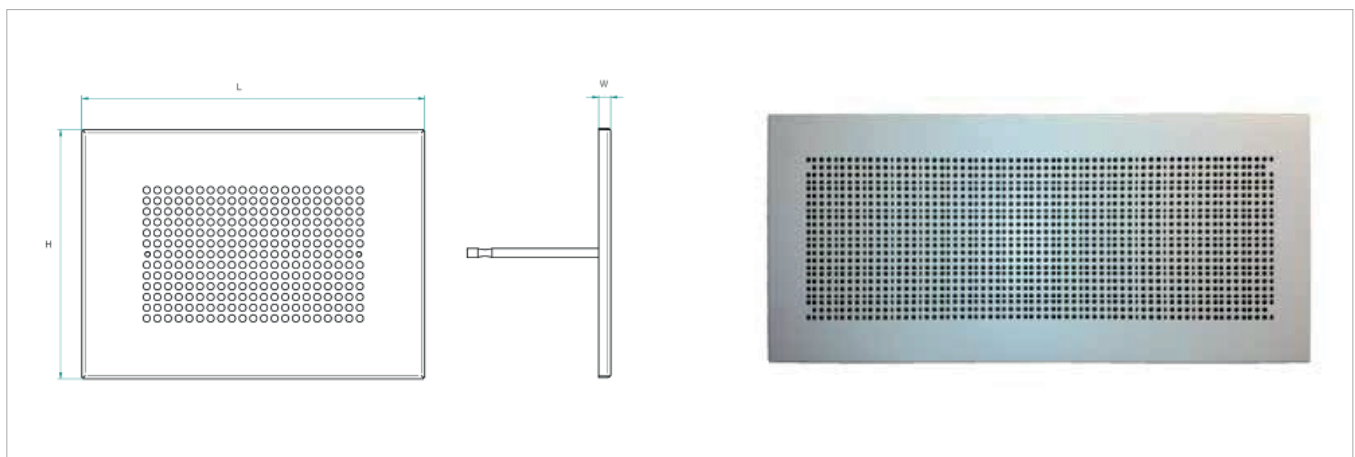


Code	Description	Material	D	D'	W	Weight	Quantity
			mm	mm	mm	kg	pcs
PCZ-SRP080001	DN 80mm, M/M	PE	80	78	14	0,01	12

7.2 Perforated indoor grilles for Flex system

Rectangular steel grille with flat, smooth and uniform front surface in a single body.
 Design with 32 mm perimeter and internal section with 4 mm holes for optimal flow distribution over the entire surface.
 RAL9003 coating with surface treatment for maximum corrosion resistance.

Quick coupling system with direct insertion by means of dedicated rear pins and spring clips on the rear part of FLEX series plenum designed to ensure:
 Adjustable stroke 0-60mm to correct any plenum/wall misalignment.



Code	Description	Material	L/L1	H/H1	W/W1	Weight	Quantity
			mm	mm	mm	kg	pcs
PCZ-SBO302001	360x260mm White RAL9003	11,6Steel	360/300	260/200	18/10	0,98	1

8. ROUND DIFFUSERS

8.1 One Box – Modular diffuser in EPP

Universal plenum kit in EPP for 1 grille series 1BOX. Hygienic material with perfectly smooth internal surface and excellent insulating properties ($\lambda = 0.042 \text{ W/mK}$).

Exclusive design with reduced depth for installation also on internal walls.

Exclusive design of the junctions with simple coupling and airtight sealing thanks to the internal threading.

Possibility to adjust the air flow through specific dampers combinable with the FLOW series.

Filter supplied as standard.

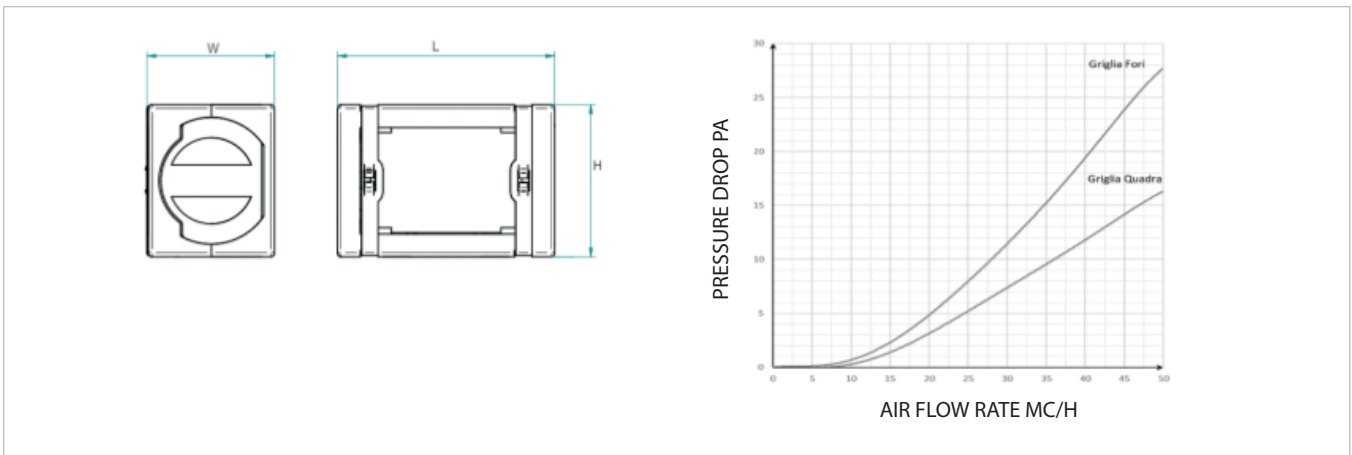
Open outlets to be closed on site according to the desired connections.

The supply includes:

- 2 black painted connection collars with clips for coupling to the rear pins of the One Box series grilles.
- Foldable metal eyelets on the bottom for anchoring to masonry walls and front eyelets for anchoring to plasterboard walls.
- 1x adapter for outlets DN 75
- 1x adapter for outlets DN 90 mm
- 1x connection joint for multiple systems
- 4x caps for closing unused outlets
- 1 coarse filter



Code	Description	Material	H	L	W	Weight	Quantity
			mm	mm	mm	kg	pcs
PCZ-REV081111	One box - EPP diffuser	EPP	120	172	100	1,5	1



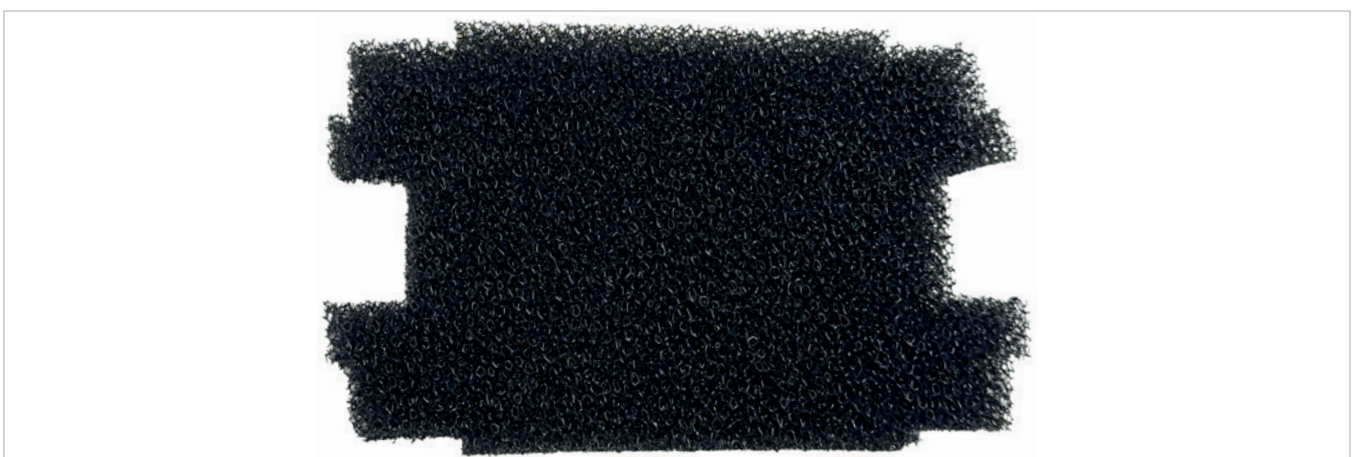
8.2 One Box – Possible configurations: 1x, 2x, 3x, 4x



⚠ For the above configurations, the pressure drop diagram doubles, triples, quadruples the air flow

8.3 One box – Replacement filter

Coarse replacement filter for One Box system



Code	Description	Material	H	L	W	Weight	Quantity
			mm	mm	mm	kg	pcs
PCZ-SBO130860	17,21A box filter	PP	80	122	20	0,4	10

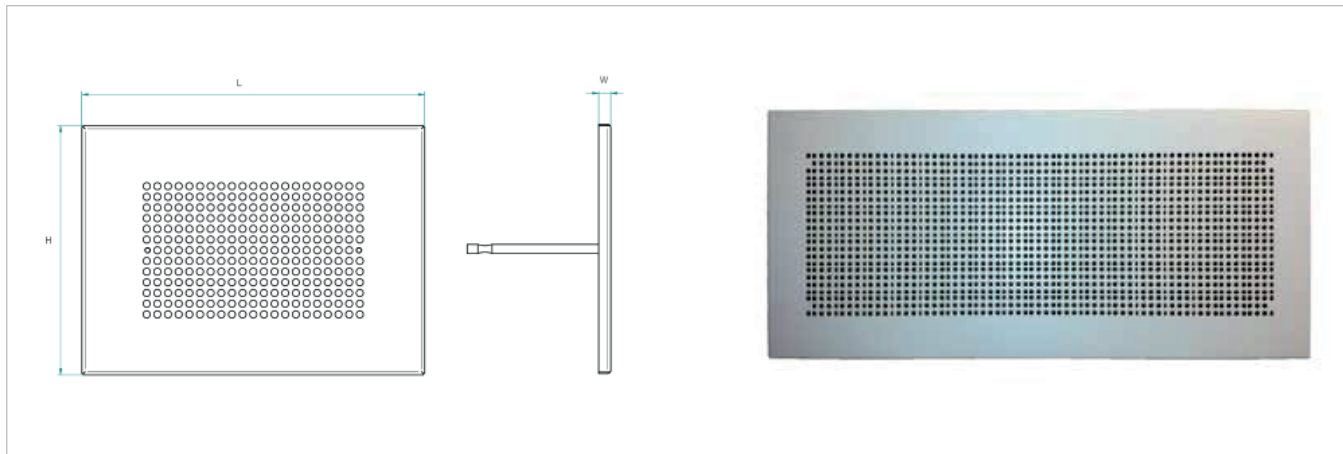
8.4 Perforated indoor grilles for One Box system

Rectangular steel grille with flat, smooth and uniform surface in a single body.

32 mm perimeter design and 4 mm internal holes for optimal flow distribution over the entire surface. Optimized construction for maximum rigidity.

RAL9003 coating with surface treatment for maximum corrosion resistance.

Quick coupling system with direct fastening via dedicated rear pins and spring clips on the front of the ONE BOX series plenum, designed to ensure: adjustable stroke 0-60 mm, to correct any plenum/wall misalignment.



Code	Description	Material	L/L1	H/H1	W/W1	Weight kg	Quantity pcs
			mm	mm	mm		
PCZ-SBO130801	190x140 mm, white RAL 9003	Steel	193/140	140/80	5/7	0,32	1
PCZ-SBO300801	360x140 mm, white RAL 9003	Steel	366/294	140/80	5/7	0,53	1
PCZ-SBO480801	540x140 mm, white RAL 9003	Steel	540/468	140/80	5/7	0,79	1
PCZ-SBO302001	360x260 mm, white RAL 9003	Steel	366/294	260/196	5/7	0,98	1

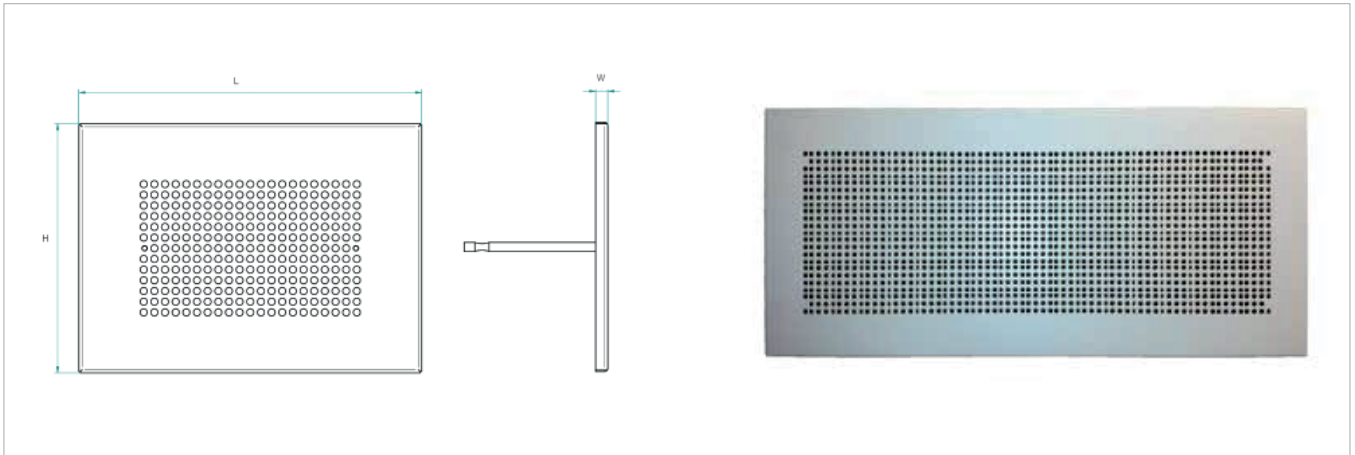
8.5 Square grilles for One Box system

Rectangular steel grille with flat, smooth and uniform surface in a single body. Design with 32 mm perimeter and internal grid 5x5 for optimal flow distribution over the entire surface.

Optimized construction for maximum rigidity.

RAL9003 coating with surface treatment for maximum corrosion resistance.

Quick coupling system with direct fastening via dedicated rear pins and spring clips on the front of the One Box series plenum to ensure: adjustable stroke 0-60 mm to correct any misalignment, plenum/wall alignment.



Code	Description	Material	L/L1	H/H1	W/W1	Weight	Quantity
			mm	mm	mm	kg	pcs
PCZ-SBO130802	190x140 mm, white RAL 9003	Steel	193/140	140/80	5/7	0,32	1
PCZ-SBO300802	360x140 mm, white RAL 9003	Steel	366/294	140/80	5/7	0,53	1
PCZ-SBO480802	540x140 mm, white RAL 9003	Steel	540/468	140/80	5/7	0,79	1
PCZ-SBO302002	360x260 mm, white RAL 9003	Steel	366/294	260/196	5/7	0,98	1

