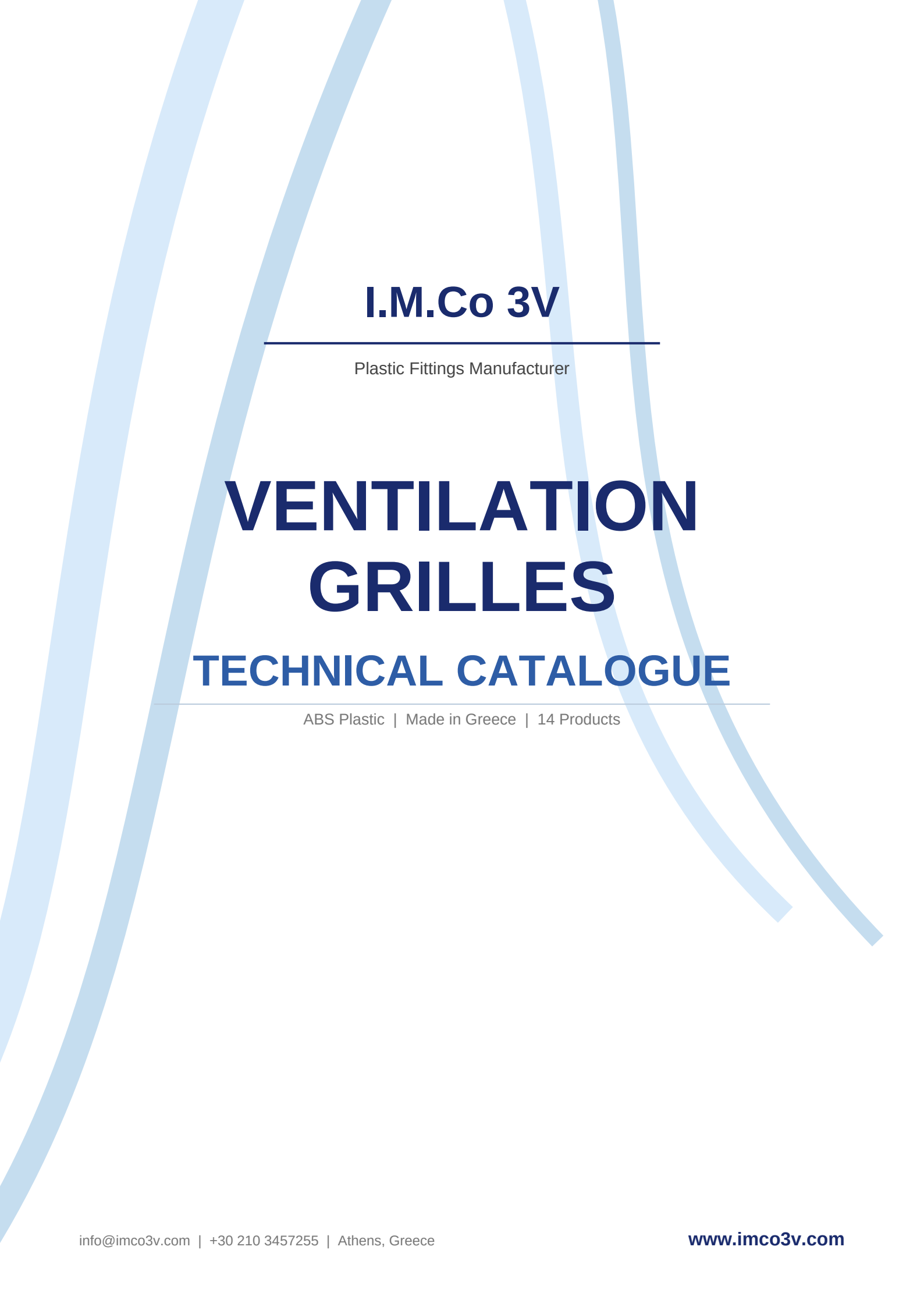




I.M.Co 3V

Plastic Fittings Manufacturer

**VENTILATION
GRILLES
TECHNICAL CATALOGUE**

ABS Plastic | Made in Greece | 14 Products

ABOUT IMCO 3V

IMCO 3V (Tzafos V. & Co. G.P.) is a Greek manufacturer of plastic fittings, specialising in injection moulding and mold design & construction. Based in Athens, Greece, the company supplies high-quality plastic components to the ventilation, drainage and industrial sectors.

INJECTION
MOULDING

In-house production with full quality control from raw material to finished product.

MOLD DESIGN &
CONSTRUCTION

Custom mold design and manufacturing for industrial plastic components.

VENTILATION
FITTINGS

Complete range of ABS ventilation grilles for residential, commercial and industrial use.

DRAINAGE
FITTINGS

Plastic drainage components including siphons and pipe fittings.

OUR STRENGTHS

✓ Made in Greece	All products manufactured in our Athens facility under strict quality control.
✓ In-house mold design	We design and build our own moulds, ensuring rapid development and custom solutions.
✓ UV-resistant ABS	Premium grade raw material guarantees long-term colour stability and durability.
✓ GHS compliant materials	Non-hazardous ABS resin meeting international safety standards.
✓ Wide product range	14 ventilation grille variants covering Ø100mm and Ø125mm pipe systems.
✓ Export ready	Products suitable for European and international markets without restrictions.

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G.P.

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PRODUCT INDEX — VENTILATION GRILLES

Code	Description	Pipe Ø	Dimensions	Flaps	Flap Height
V040201	Rectangular Grille — Stable Flaps	Any	140 × 182 mm	Stable	14
V040202	Square+Round Grille — Stable Flaps	Ø 100	140 × 140 mm	Stable	—
V040203	Square+Round Grille — Stable Flaps	Ø 125	160 × 160 mm	Stable	—
V040204	Square Grille — 4 Moving Flaps	Ø 100	130 × 130 mm	4 moving	30 mm
V040205	Systolic Grille — 4 Moving Flaps	Ø 100 & 125	150 × 150 mm	4 moving	31 mm
V040206	Square Grille — 5 Moving Flaps	Ø 125	155 × 155 mm	5 moving	30 mm
V040207	Chamfered Grille — 2 Moving Flaps	Ø 100	140 × 140 mm	2 moving	50 mm
V040208	Chamfered + Rain Cover — 1 Flap	Ø 100	140 × 140 mm	1 moving	—
V040209	Chamfered Grille — 2 Moving Flaps	Ø 125	165 × 165 mm	2 moving	60 mm
V040210	Chamfered + Rain Cover — 1 Flap	Ø 125	165 × 165 mm	1 moving	—
V040211	Chamfered Grille — 3 Moving Flaps	Ø 100	140 × 140 mm	3 moving	30 mm
V040212	Chamfered Grille — 3 Moving Flaps	Ø 125	165 × 165 mm	3 moving	40 mm
V040213	Round Irreversible — 1 Moving Flap	Ø 100	125 × 125 mm	1 moving	—
V040215	Fully Round — Stable Flaps	Ø 100	Ø 120 mm	Stable	—

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MATERIAL SPECIFICATIONS — ABS RESIN

All IMCO 3V ventilation grilles are manufactured from **Acrylonitrile-Butadiene-Styrene (ABS) Resin**, supplied by Formosa Chemicals & Fibre Corporation (Grade: TAIRILAC, CAS No. 9003-56-9). The material is processed by injection moulding and meets international quality and safety standards.

PHYSICAL & CHEMICAL PROPERTIES

Property	Value	Standard / Note
Material	Acrylonitrile-Butadiene-Styrene Copolymer	ABS
CAS Number	9003-56-9	—
Supplier / Grade	Formosa Chemicals & Fibre Corp. — TAIRILAC	Injection grade
Appearance	Milky off-white pellets (solid)	—
Specific Gravity	1.03 – 1.07 g/cm³	—
Softening Range	130°C – 150°C	No definite melting point
Auto-Ignition Temp.	466°C	ASTM-D1929
Flash Point	400°C	—
Solubility in Water	Insoluble	—
ABS Content	> 98% copolymer	Additives ≤ 2%
UV Resistance	Yes	Anti-UV stabilised
Processing	Injection Moulding	In-house
Finished Color	White	—

SAFETY & REGULATORY COMPLIANCE

Classification	Status	Reference
GHS Hazard Classification	Non-hazardous	UN GHS Parts 2, 3, 4
OSHA Classification	Non-hazardous	29 CFR 1910 Subpart Z
Canadian DSL	Listed (approved)	Domestic Substances List
Skin Corrosiveness	None	—
Acute Oral Toxicity LD50 (Rat)	> 5 g/kg (assumed)	No acute toxicity
Biodegradability	Not biodegradable	Thermoplastic polymer
Material Safety Data Sheet	Available upon request	Formosa Chemicals MSDS

PRODUCT COMPARISON — VENTILATION GRILLES

Code	Pipe Ø	Dims (mm)	Moving Flaps	Stable Flaps	Rain Cover	Round	Chamfered	Universal
V040201	Any	140×182	—	✓	—	—	—	—
V040202	Ø100	140×140	—	✓	—	✓	—	—
V040203	Ø125	160×160	—	✓	—	✓	—	—
V040204	Ø100	130×130	✓	—	—	—	—	—
V040205	Ø100+125	150×150	✓	—	—	—	—	✓
V040206	Ø125	155×155	✓	—	—	—	—	—
V040207	Ø100	140×140	✓	—	—	—	✓	—
V040208	Ø100	140×140	✓	—	✓	—	✓	—
V040209	Ø125	165×165	✓	—	—	—	✓	—
V040210	Ø125	165×165	✓	—	✓	—	✓	—
V040211	Ø100	140×140	✓	—	—	—	✓	—
V040212	Ø125	165×165	✓	—	—	—	✓	—
V040213	Ø100	125×125	✓	—	—	✓	—	—
V040215	Ø100	Ø120	—	✓	—	✓	—	—

✓ = Feature present | — = Not applicable | Universal = fits both Ø100mm and Ø125mm pipe ends

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Plastic Ventilation Grille with 4 Moving Flaps

Product Code: V040204

The V040204 is a square plastic ventilation grille designed for 100mm diameter ventilation pipes. Four gravity-operated moving flaps open automatically when the extraction fan is running and seal shut when idle — preventing air backflow, insects, rodents and water ingress. Manufactured from high-quality UV-resistant ABS resin, the grille retains its white finish over time and is suitable for wall or ceiling installations in residential and light-commercial environments.

Pipe Diameter	Ø 100 mm
Overall Dimensions	130 × 130 mm
Total Depth	130 mm
Pipe Connector Depth	30 mm (Ø 100 mm pipe connector)
Number of Flaps	4
Material	ABS Resin (Acrylonitrile-Butadiene-Styrene)
Material Grade	Formosa TAIRILAC — Injection Moulding
Color	White
Flap Operation	Gravity-operated (auto open/close)
UV Resistance	Yes — will not discolour over time

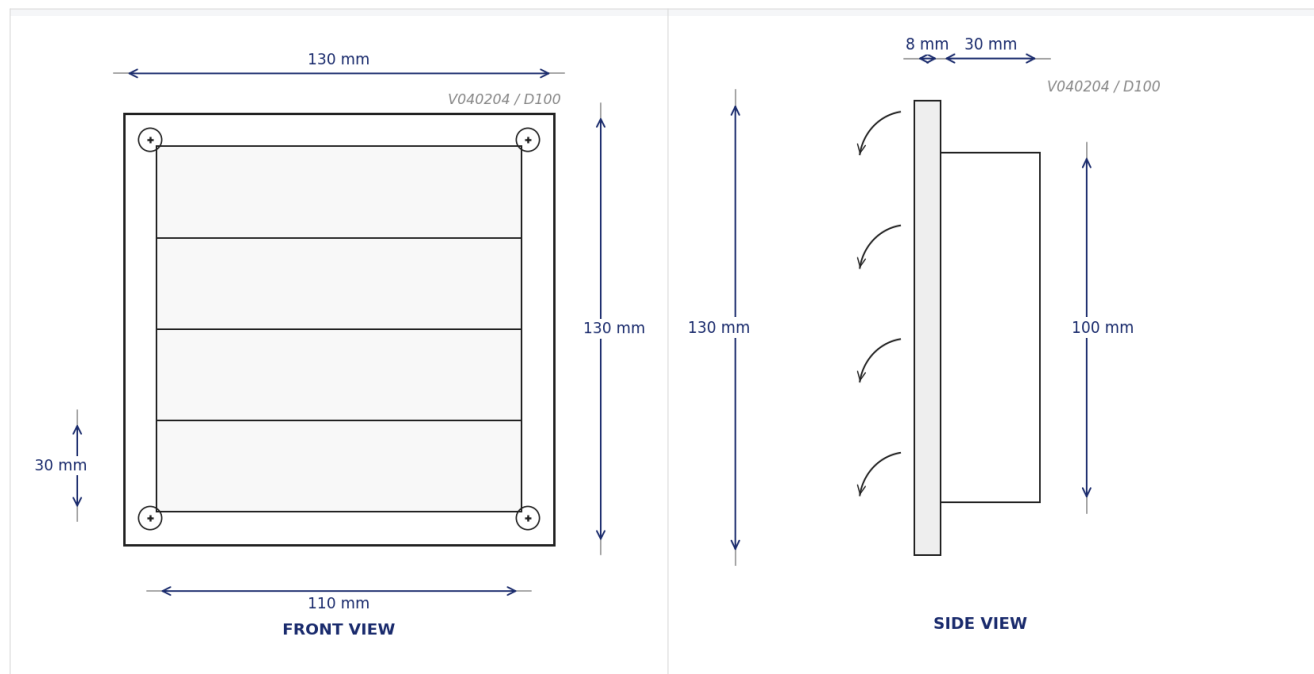
KEY FEATURES

- ✓ Fits Ø 100 mm ventilation pipe ends
- ✓ 4 gravity-operated auto-close flaps
- ✓ Prevents backflow, insects & rodents
- ✓ Water ingress protection
- ✓ UV-resistant — no discolouration
- ✓ Corner screw-mount — easy installation
- ✓ Non-hazardous ABS (GHS compliant)
- ✓ Made in Greece

TYPICAL APPLICATIONS

• Kitchens	• Bathrooms	• Offices	• Residential	• Light Commercial
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TECHNICAL DRAWINGS



Material Note: ABS Resin — Formosa Chemicals & Fibre Corp. (CAS 9003-56-9, TAIRILAC grade). Classified non-hazardous under UN GHS and U.S. OSHA 29 CFR 1910. Material Safety Data Sheet available upon request.

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Plastic Ventilation Grille — 3 Moving Flaps

Product Code: V040211

The V040211 is a square plastic ventilation grille with 3 gravity-operated moving flaps, designed for Ø100mm ventilation pipe ends. Sharing the same chamfered decorative frame as the V040207, the V040211 adds a third flap for greater airflow control and a more even distribution across the opening. Each flap measures 30mm in height and opens automatically when the extraction fan is active, sealing shut when idle to prevent backflow, insects, rodents and water ingress. Manufactured from UV-resistant ABS resin for long-term durability and colour stability.

Pipe Diameter	Ø 100 mm
Overall Dimensions	140 × 140 mm
Frame Thickness	10 mm
Pipe Connector Depth	40 mm
Total Depth	50 mm
Connector Height	95 mm
Number of Flaps	3
Flap Height	30 mm each
Material	ABS Resin (Acrylonitrile-Butadiene-Styrene)
Material Grade	Formosa TAIRILAC — Injection Moulding
Color	White
Flap Operation	Gravity-operated (auto open/close)
UV Resistance	Yes — will not discolour over time

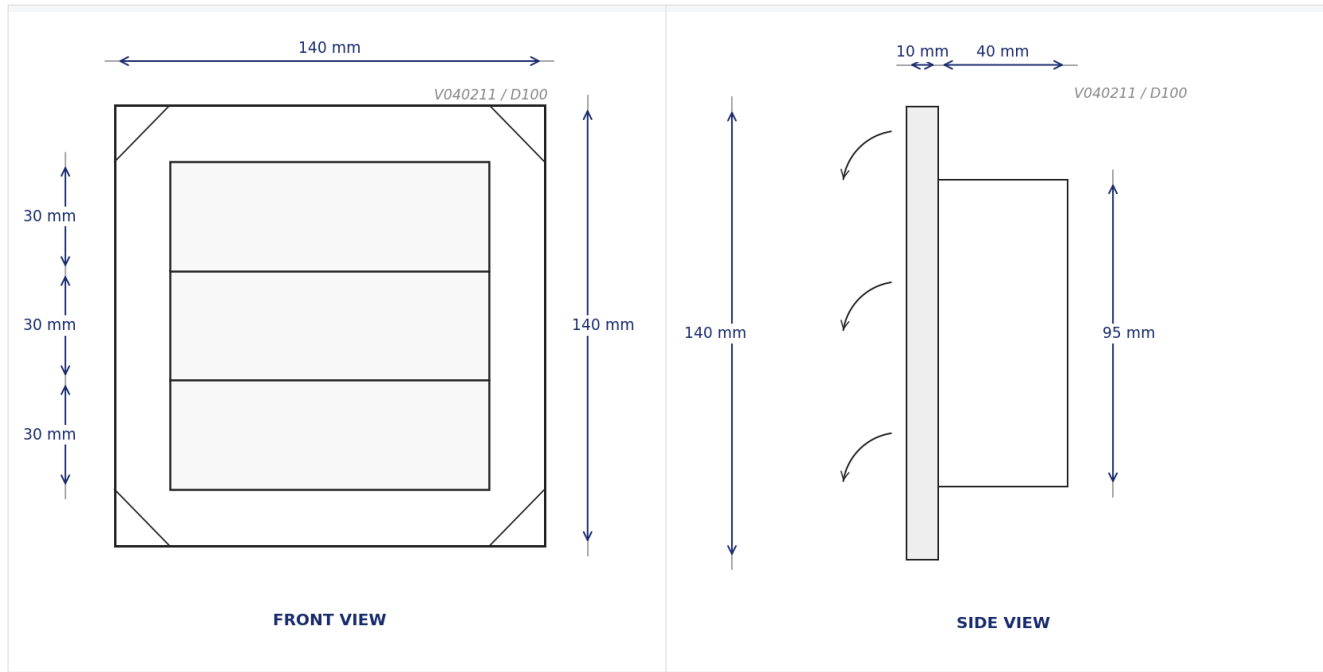
KEY FEATURES

- ✓ Fits Ø 100 mm ventilation pipe ends
- ✓ 3 gravity-operated auto-close flaps
- ✓ Even airflow distribution across opening
- ✓ Chamfered decorative frame — modern look
- ✓ Prevents backflow, insects & rodents
- ✓ Water ingress protection
- ✓ UV-resistant — no discolouration
- ✓ Non-hazardous ABS (GHS compliant)
- ✓ Made in Greece

TYPICAL APPLICATIONS

• Kitchens	• Bathrooms	• Offices	• Residential	• Light Commercial
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TECHNICAL DRAWINGS



Material Note: ABS Resin — Formosa Chemicals & Fibre Corp. (CAS 9003-56-9, TAIRILAC grade). Classified non-hazardous under UN GHS and U.S. OSHA 29 CFR 1910. Material Safety Data Sheet available upon request.

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Plastic Ventilation Grille — 2 Moving Flaps

Product Code: V040207

The V040207 is a square plastic ventilation grille with 2 gravity-operated moving flaps, designed for Ø100mm ventilation pipe ends. The recessed inner opening sits within a chamfered decorative frame, giving a clean and modern appearance. The two large flaps open automatically when the extraction fan is active and seal shut when idle, preventing backflow, insects, rodents and water ingress. With each flap measuring 50mm in height, the V040207 offers excellent airflow capacity for its size. Manufactured from UV-resistant ABS resin for long-term durability and colour stability.

Pipe Diameter	Ø 100 mm
Overall Dimensions	140 × 140 mm
Frame Thickness	10 mm
Pipe Connector Depth	40 mm
Total Depth	50 mm
Connector Height	95 mm
Number of Flaps	2
Flap Height	50 mm each
Material	ABS Resin (Acrylonitrile-Butadiene-Styrene)
Material Grade	Formosa TAIRILAC — Injection Moulding
Color	White
Flap Operation	Gravity-operated (auto open/close)
UV Resistance	Yes — will not discolour over time

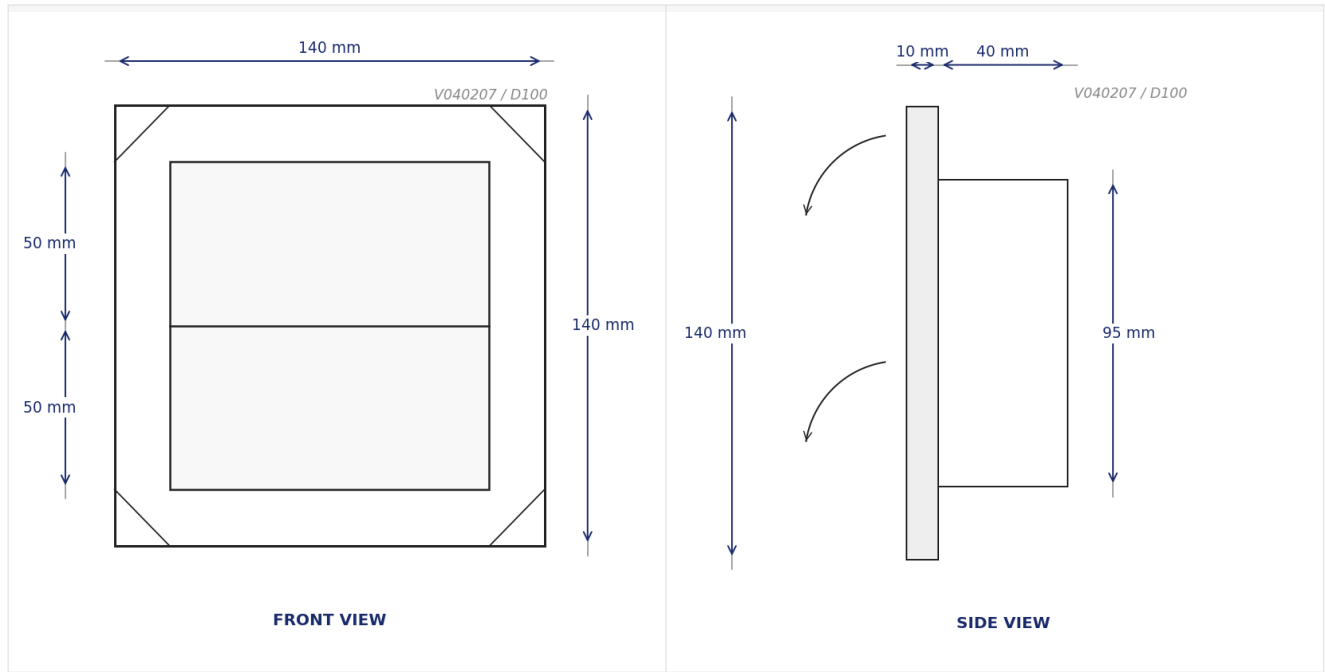
KEY FEATURES

- ✓ Fits Ø 100 mm ventilation pipe ends
- ✓ 2 gravity-operated auto-close flaps
- ✓ Large 50mm flaps — excellent airflow
- ✓ Chamfered decorative frame — modern look
- ✓ Prevents backflow, insects & rodents
- ✓ Water ingress protection
- ✓ UV-resistant — no discolouration
- ✓ Non-hazardous ABS (GHS compliant)
- ✓ Made in Greece

TYPICAL APPLICATIONS

• Kitchens	• Bathrooms	• Offices	• Residential	• Light Commercial
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TECHNICAL DRAWINGS



Material Note: ABS Resin — Formosa Chemicals & Fibre Corp. (CAS 9003-56-9, TAIRILAC grade). Classified non-hazardous under UN GHS and U.S. OSHA 29 CFR 1910. Material Safety Data Sheet available upon request.

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Plastic Grille with Extra Cover Protection — 1
Moving Flap

Product Code: V040208

The V040208 is a plastic ventilation grille with a single moving flap and an integrated extra cover protection system, designed for Ø100mm ventilation pipe ends. The distinctive triangular cover shield (60mm projection) deflects rain, wind and debris away from the opening, making this grille ideal for exposed exterior wall installations where weather protection is critical. The single gravity-operated flap seals the opening when the ventilation fan is idle, preventing backflow, insects and rodents. The chamfered decorative frame (140×140mm) gives a clean finish, while the UV-resistant ABS construction ensures long-term colour stability and durability.

Pipe Diameter	Ø 100 mm
Overall Dimensions	140 × 140 mm
Frame Thickness	10 mm
Pipe Connector Depth	40 mm
Total Depth	50 mm
Connector Height	95 mm
Cover Protection	Yes — triangular rain/wind shield
Cover Projection	60 mm
Number of Flaps	1 (gravity-operated, moving)
Material	ABS Resin (Acrylonitrile-Butadiene-Styrene)
Material Grade	Formosa TAIRILAC — Injection Moulding
Color	White
UV Resistance	Yes — will not discolour over time

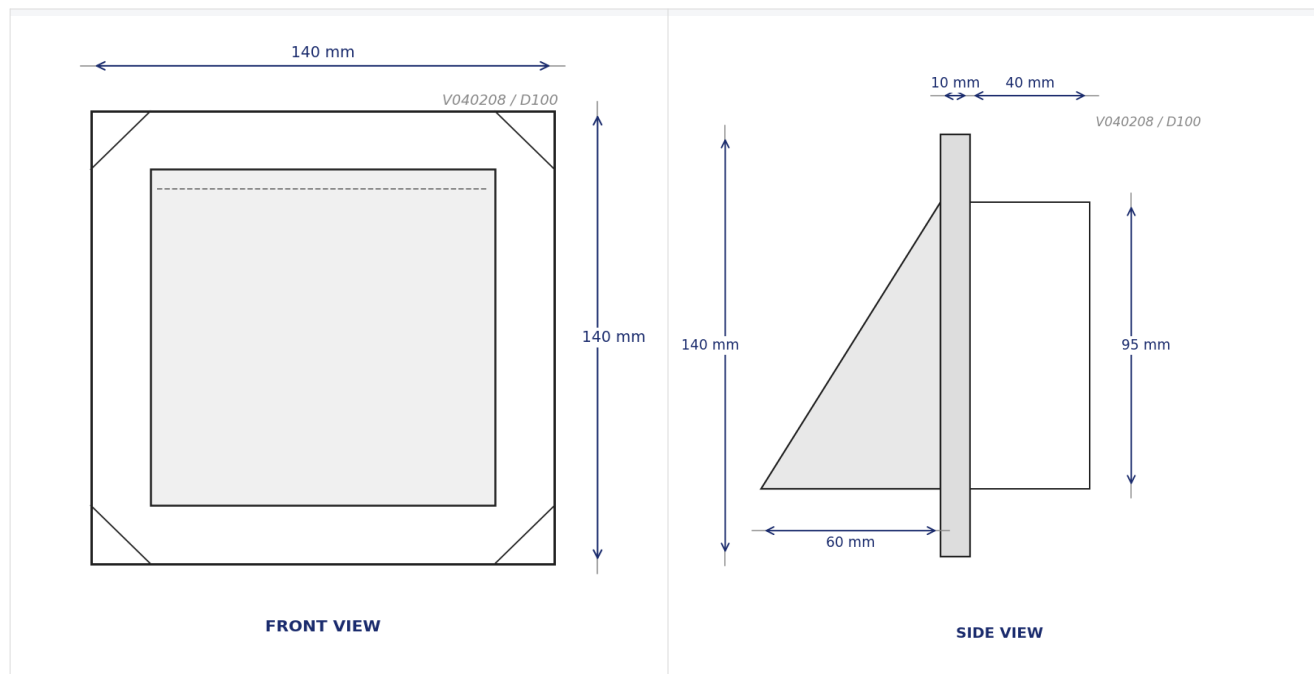
KEY FEATURES

- ✓ Fits Ø 100 mm ventilation pipe ends
- ✓ Integrated rain & wind cover shield
- ✓ 60mm triangular cover projection
- ✓ 1 gravity-operated auto-close flap
- ✓ Ideal for exposed exterior installations
- ✓ Prevents backflow, insects & rodents
- ✓ Chamfered decorative frame
- ✓ UV-resistant — no discolouration
- ✓ Non-hazardous ABS (GHS compliant)
- ✓ Made in Greece

TYPICAL APPLICATIONS

• Exterior Walls	• Bathrooms	• Kitchens	• Coastal Buildings	• Exposed Facades
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TECHNICAL DRAWINGS



Material Note: ABS Resin — Formosa Chemicals & Fibre Corp. (CAS 9003-56-9, TAIRILAC grade). Classified non-hazardous under UN GHS and U.S. OSHA 29 CFR 1910. Material Safety Data Sheet available upon request.

Plastic Round Grille — Irreversible, 1 Moving Flap

Product Code: V040213

The V040213 is a round plastic ventilation grille with an irreversible design and a single moving flap, suitable for Ø100mm ventilation pipe ends. The circular opening sits within a square mounting plate, giving a clean and modern appearance. The single gravity-operated flap opens automatically when the extraction fan is active and seals shut when idle, preventing backflow, insects and water ingress. The irreversible (non-reversible) design ensures correct directional airflow. Manufactured from UV-resistant ABS resin for long-term durability and colour stability.

Pipe Diameter	Ø 100 mm
Overall Dimensions	125 × 125 mm
Connector Depth	30 mm (back, into wall)
Flap Cover Depth	30 mm (front, outside wall)
Total Depth	60 mm + frame plate
Number of Flaps	1 (gravity-operated, moving)
Design	Irreversible — directional airflow
Material	ABS Resin (Acrylonitrile-Butadiene-Styrene)
Material Grade	Formosa TAIRILAC — Injection Moulding
Color	White
UV Resistance	Yes — will not discolour over time

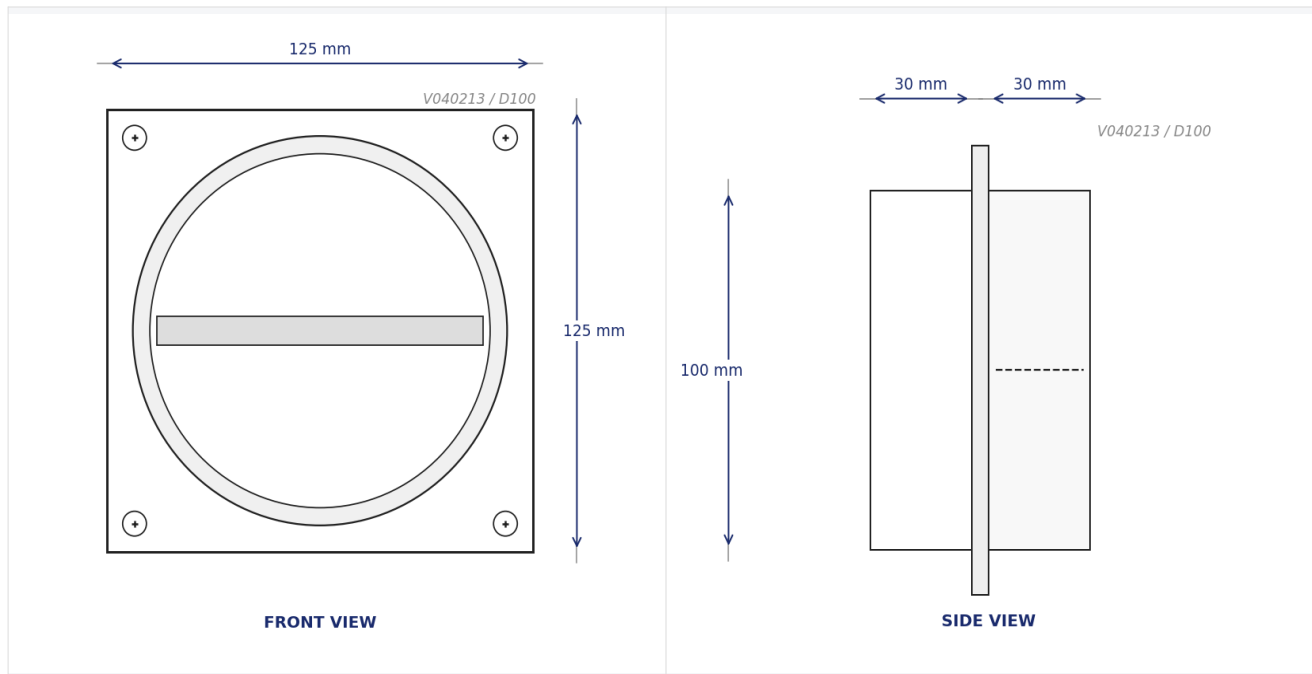
KEY FEATURES

- ✓ Fits Ø 100 mm ventilation pipe ends
- ✓ Irreversible — ensures correct airflow direction
- ✓ 1 gravity-operated moving flap
- ✓ Prevents backflow, insects & rodents
- ✓ Water ingress protection
- ✓ Round opening — modern aesthetic
- ✓ UV-resistant — no discolouration
- ✓ Corner screw-mount — easy installation
- ✓ Non-hazardous ABS (GHS compliant)
- ✓ Made in Greece

TYPICAL APPLICATIONS

• Kitchens	• Bathrooms	• Offices	• Residential	• Light Commercial
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TECHNICAL DRAWINGS



Material Note: ABS Resin — Formosa Chemicals & Fibre Corp. (CAS 9003-56-9, TAIRILAC grade). Classified non-hazardous under UN GHS and U.S. OSHA 29 CFR 1910. Material Safety Data Sheet available upon request.

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Plastic Round Grille with Stable Flaps —
D100mm

Product Code: V040202

The V040202 is a plastic ventilation grille featuring a circular louvre opening set within a square mounting plate, designed for Ø100mm ventilation pipe ends. The fixed (stable) horizontal slats provide permanent passive airflow while preventing insects, rodents and direct water ingress — with no moving parts to maintain. The circular opening gives a clean, modern aesthetic suitable for both interior and exterior applications. With a slim 3mm frame plate and a 37mm connector depth, the V040202 has a minimal wall projection. Manufactured from UV-resistant ABS resin for long-term colour stability and durability.

Pipe Diameter	Ø 100 mm
Overall Dimensions	140 × 140 mm
Frame Thickness	3 mm
Pipe Connector Depth	37 mm
Total Depth	40 mm
Connector Height	100 mm
Opening Shape	Circular
Flap Type	Stable / Fixed horizontal louvres
Moving Parts	None
Material	ABS Resin (Acrylonitrile-Butadiene-Styrene)
Material Grade	Formosa TAIRILAC — Injection Moulding
Color	White
UV Resistance	Yes — will not discolour over time

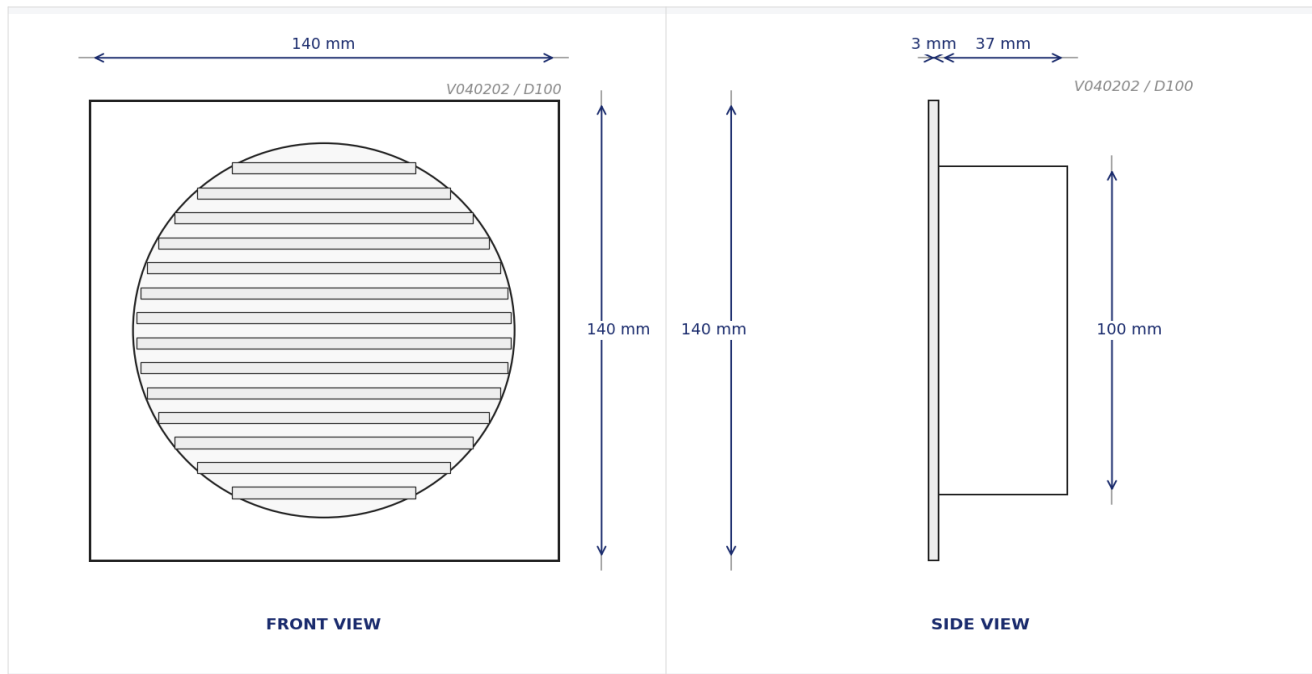
KEY FEATURES

- ✓ Fits Ø 100 mm ventilation pipe ends
- ✓ Circular louvre opening — modern aesthetic
- ✓ Fixed stable slats — no moving parts
- ✓ Zero maintenance required
- ✓ Prevents insects & rodents
- ✓ Slim 3mm frame — minimal projection
- ✓ UV-resistant — no discolouration
- ✓ Non-hazardous ABS (GHS compliant)
- ✓ Made in Greece

TYPICAL APPLICATIONS

• Kitchens	• Bathrooms	• Offices	• Exterior Walls	• Residential
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TECHNICAL DRAWINGS



Material Note: ABS Resin — Formosa Chemicals & Fibre Corp. (CAS 9003-56-9, TAIRILAC grade). Classified non-hazardous under UN GHS and U.S. OSHA 29 CFR 1910. Material Safety Data Sheet available upon request.

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Plastic Round Grille with Stable Flaps —
D100mm

Product Code: V040215

The V040215 is a fully round plastic ventilation grille with fixed (stable) horizontal louvres, designed for Ø100mm ventilation pipe ends. Unlike square grilles, the circular frame integrates seamlessly into round wall openings, providing a clean and uniform appearance. The fixed louvres allow permanent passive airflow while preventing insects, rodents and direct water ingress — with no moving parts to maintain. The curved frame profile sits flush against the wall surface for a neat finish. Manufactured from UV-resistant ABS resin for long-term colour stability and durability.

Pipe Diameter	Ø 100 mm
Overall Diameter	Ø 120 mm
Connector Height	95 mm
Frame Profile	Circular — curved rim
Opening Shape	Round with horizontal louvres
Flap Type	Stable / Fixed horizontal louvres
Moving Parts	None
Material	ABS Resin (Acrylonitrile-Butadiene-Styrene)
Material Grade	Formosa TAIRILAC — Injection Moulding
Color	White
UV Resistance	Yes — will not discolour over time

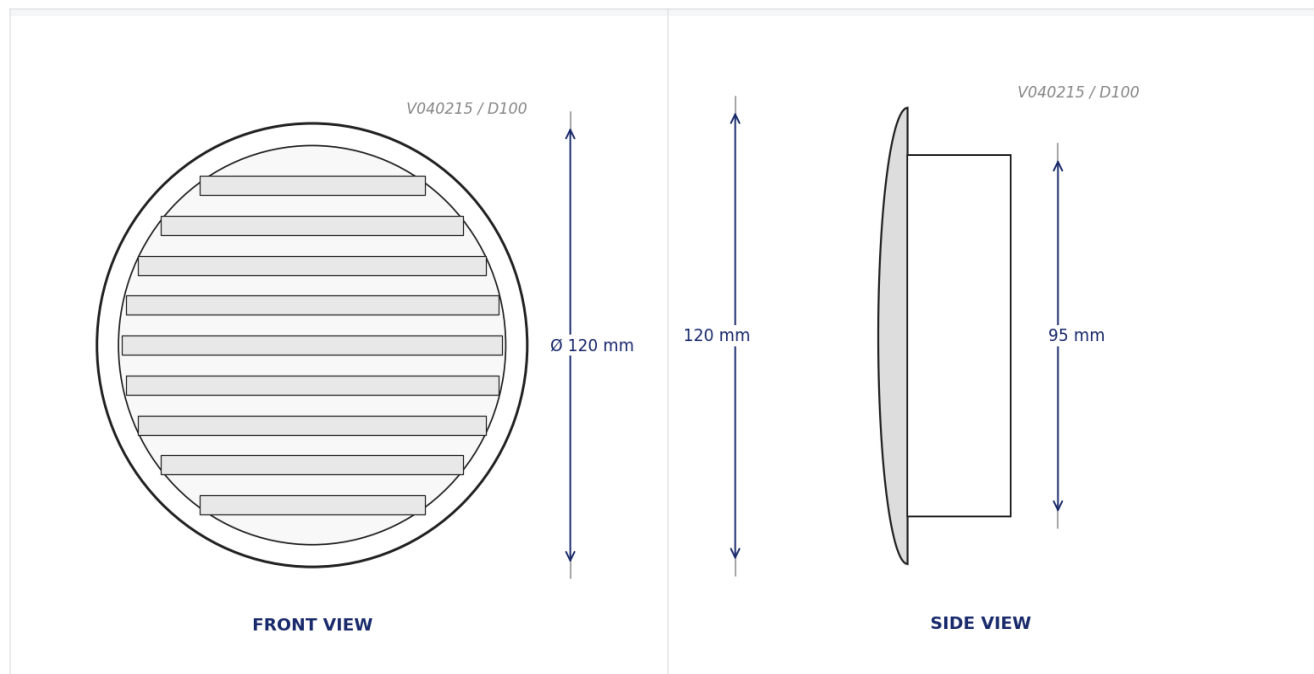
KEY FEATURES

- ✓ Fits Ø 100 mm ventilation pipe ends
- ✓ Fully circular frame — round wall openings
- ✓ Fixed stable louvres — no moving parts
- ✓ Zero maintenance required
- ✓ Prevents insects & rodents
- ✓ Flush curved rim — neat wall finish
- ✓ UV-resistant — no discolouration
- ✓ Non-hazardous ABS (GHS compliant)
- ✓ Made in Greece

TYPICAL APPLICATIONS

• Kitchens	• Bathrooms	• Offices	• Exterior Walls	• Residential
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TECHNICAL DRAWINGS



Material Note: ABS Resin — Formosa Chemicals & Fibre Corp. (CAS 9003-56-9, TAIRILAC grade). Classified non-hazardous under UN GHS and U.S. OSHA 29 CFR 1910. Material Safety Data Sheet available upon request.

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Plastic Ventilation Grille with 5 Moving Flaps

Product Code: V040206

The V040206 is a larger square plastic ventilation grille designed for 125mm diameter ventilation pipes. Five gravity-operated moving flaps deliver higher airflow capacity while maintaining a tight seal when the system is inactive — blocking backflow, insects, rodents and water. The UV-resistant ABS construction ensures long-term colour stability and durability. Ideal for commercial kitchens, industrial premises, larger bathrooms and high-capacity HVAC installations.

Pipe Diameter	Ø 125 mm
Overall Dimensions	155 × 155 mm
Total Depth	150 mm
Pipe Connector Depth	30 mm (Ø 125 mm pipe connector)
Number of Flaps	5
Material	ABS Resin (Acrylonitrile-Butadiene-Styrene)
Material Grade	Formosa TAIRILAC — Injection Moulding
Color	White
Flap Operation	Gravity-operated (auto open/close)
UV Resistance	Yes — will not discolour over time

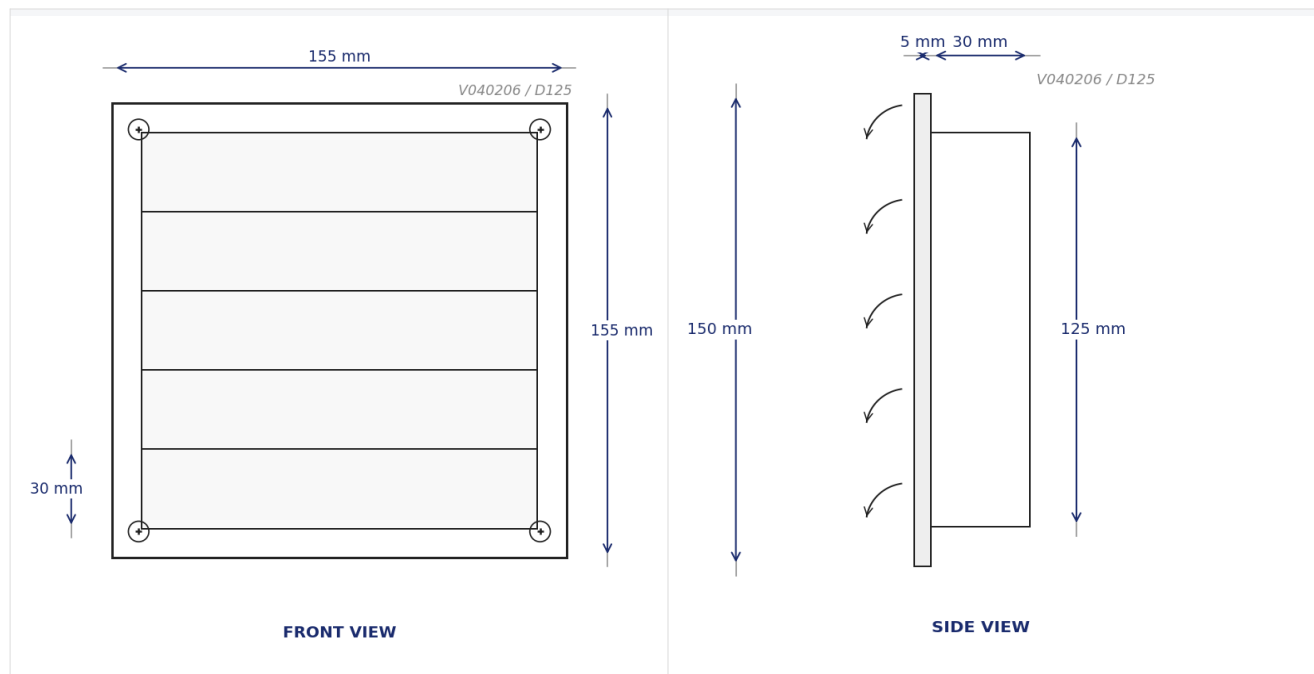
KEY FEATURES

- ✓ Fits Ø 125 mm ventilation pipe ends
- ✓ 5 gravity-operated auto-close flaps
- ✓ Higher airflow capacity than Ø100 model
- ✓ Prevents backflow, insects & rodents
- ✓ Water ingress protection
- ✓ UV-resistant — no discolouration
- ✓ Corner screw-mount — easy installation
- ✓ Non-hazardous ABS (GHS compliant)
- ✓ Made in Greece

TYPICAL APPLICATIONS

• Commercial Kitchens	• Industrial	• Bathrooms	• HVAC Systems	• Large Offices
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TECHNICAL DRAWINGS



Material Note: ABS Resin — Formosa Chemicals & Fibre Corp. (CAS 9003-56-9, TAIRILAC grade). Classified non-hazardous under UN GHS and U.S. OSHA 29 CFR 1910. Material Safety Data Sheet available upon request.

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Plastic Ventilation Grille — 3 Moving Flaps, D125mm

Product Code: V040212

The V040212 is a large square plastic ventilation grille with 3 gravity-operated moving flaps, designed for Ø125mm ventilation pipe ends. Sharing the premium chamfered frame of the V040209, the V040212 adds a third 40mm flap for more even airflow distribution and better control across the opening. Each flap opens automatically when the extraction fan is active and seals shut when idle, preventing backflow, insects, rodents and water ingress. Manufactured from UV-resistant ABS resin for long-term colour stability and durability.

Pipe Diameter	Ø 125 mm
Overall Dimensions	165 × 165 mm
Frame Thickness	10 mm
Pipe Connector Depth	30 mm
Total Depth	40 mm
Connector Height	118 mm
Number of Flaps	3
Flap Height	40 mm each
Material	ABS Resin (Acrylonitrile-Butadiene-Styrene)
Material Grade	Formosa TAIRILAC — Injection Moulding
Color	White
Flap Operation	Gravity-operated (auto open/close)
UV Resistance	Yes — will not discolour over time

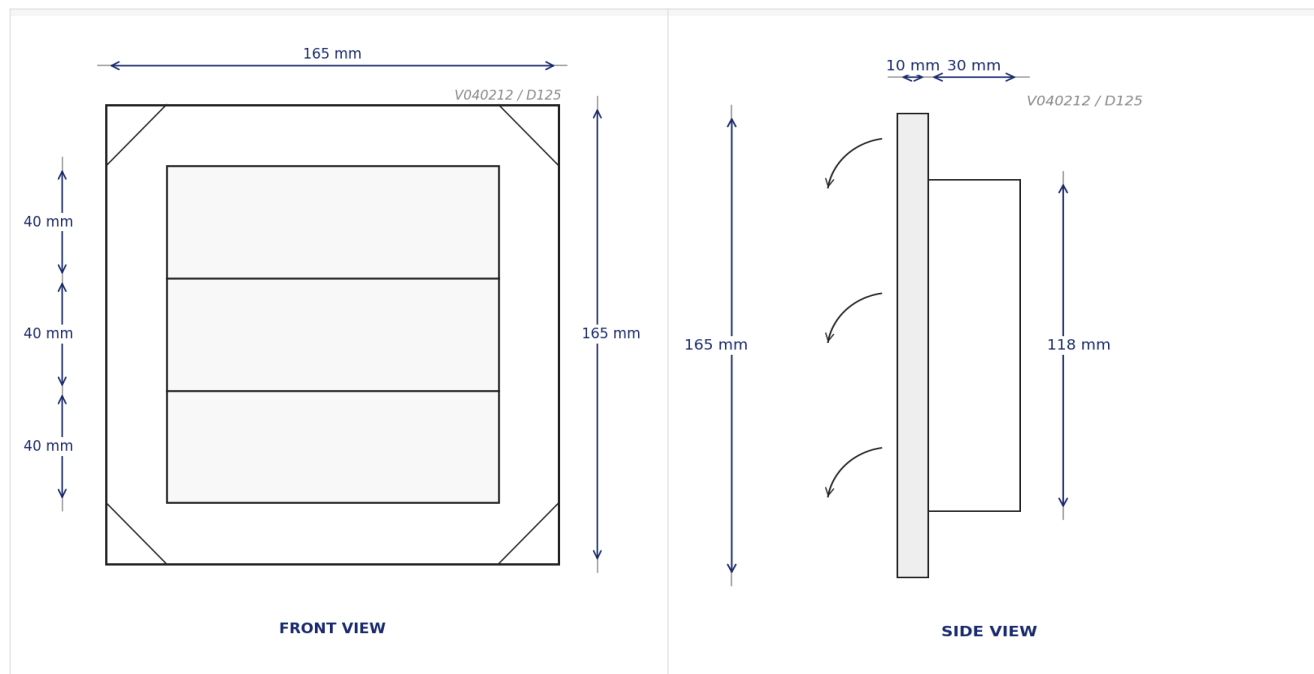
KEY FEATURES

- ✓ Fits Ø 125 mm ventilation pipe ends
- ✓ 3 gravity-operated auto-close flaps
- ✓ Even airflow distribution — 3 × 40mm flaps
- ✓ Chamfered decorative frame — premium finish
- ✓ Prevents backflow, insects & rodents
- ✓ Water ingress protection
- ✓ UV-resistant — no discolouration
- ✓ Non-hazardous ABS (GHS compliant)
- ✓ Made in Greece

TYPICAL APPLICATIONS

• Commercial Kitchens	• Bathrooms	• Offices	• HVAC Systems	• Large Spaces
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TECHNICAL DRAWINGS



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Plastic Ventilation Grille — 2 Moving Flaps, D125mm

Product Code: V040209

The V040209 is a large square plastic ventilation grille with 2 gravity-operated moving flaps, designed for Ø125mm ventilation pipe ends. The chamfered decorative frame (165×165mm) gives a premium finish, with the recessed inner opening housing two large 60mm flaps for maximum airflow coverage. Each flap opens automatically when the extraction fan is active and seals shut when idle, preventing backflow, insects, rodents and water ingress. Manufactured from UV-resistant ABS resin for long-term colour stability and durability.

Pipe Diameter	Ø 125 mm
Overall Dimensions	165 × 165 mm
Frame Thickness	10 mm
Pipe Connector Depth	30 mm
Total Depth	40 mm
Connector Height	118 mm
Number of Flaps	2
Flap Height	60 mm each
Material	ABS Resin (Acrylonitrile-Butadiene-Styrene)
Material Grade	Formosa TAIRILAC — Injection Moulding
Color	White
Flap Operation	Gravity-operated (auto open/close)
UV Resistance	Yes — will not discolour over time

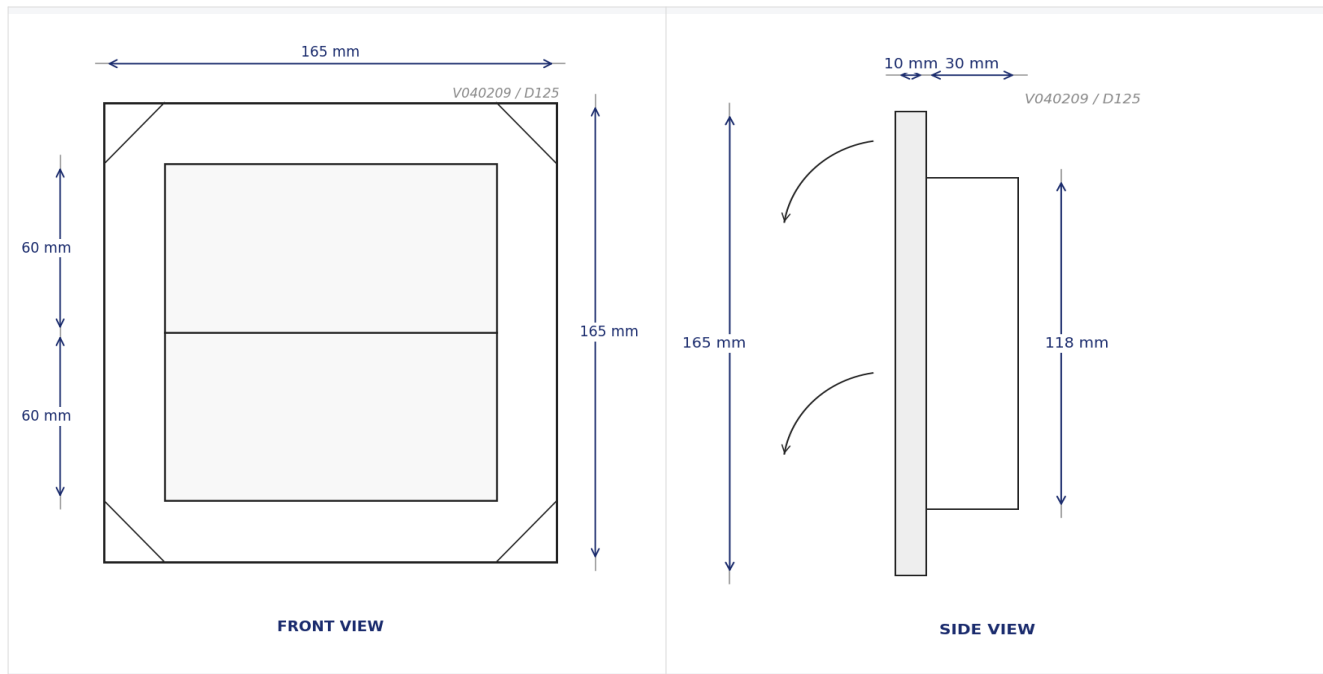
KEY FEATURES

- ✓ Fits Ø 125 mm ventilation pipe ends
- ✓ 2 gravity-operated auto-close flaps
- ✓ Large 60mm flaps — maximum airflow
- ✓ Chamfered decorative frame — premium finish
- ✓ Prevents backflow, insects & rodents
- ✓ Water ingress protection
- ✓ UV-resistant — no discolouration
- ✓ Non-hazardous ABS (GHS compliant)
- ✓ Made in Greece

TYPICAL APPLICATIONS

• Commercial Kitchens	• Bathrooms	• Offices	• HVAC Systems	• Large Spaces
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TECHNICAL DRAWINGS



Material Note: ABS Resin — Formosa Chemicals & Fibre Corp. (CAS 9003-56-9, TAIRILAC grade). Classified non-hazardous under UN GHS and U.S. OSHA 29 CFR 1910. Material Safety Data Sheet available upon request.

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Plastic Grille with Extra Cover Protection — 1
Moving Flap, D125mm

Product Code: V040210

The V040210 is the Ø125mm version of the extra-protection ventilation grille, featuring a single moving flap and an integrated triangular cover shield, designed for exposed exterior wall installations where weather protection is critical. The 45mm triangular cover deflects rain, wind and debris away from the opening — larger than the D100 equivalent (V040208) to match the greater pipe diameter. The single gravity-operated flap seals the opening when the ventilation fan is idle, preventing backflow, insects and rodents. The premium chamfered frame (165×165mm) gives a clean finish. Manufactured from UV-resistant ABS resin for long-term colour stability and durability.

Pipe Diameter	Ø 125 mm
Overall Dimensions	165 × 165 mm
Frame Thickness	10 mm
Pipe Connector Depth	30 mm
Total Depth	40 mm
Connector Height	118 mm
Cover Protection	Yes — triangular rain/wind shield
Cover Projection	45 mm
Number of Flaps	1 (gravity-operated, moving)
Material	ABS Resin (Acrylonitrile-Butadiene-Styrene)
Material Grade	Formosa TAIRILAC — Injection Moulding
Color	White
UV Resistance	Yes — will not discolour over time

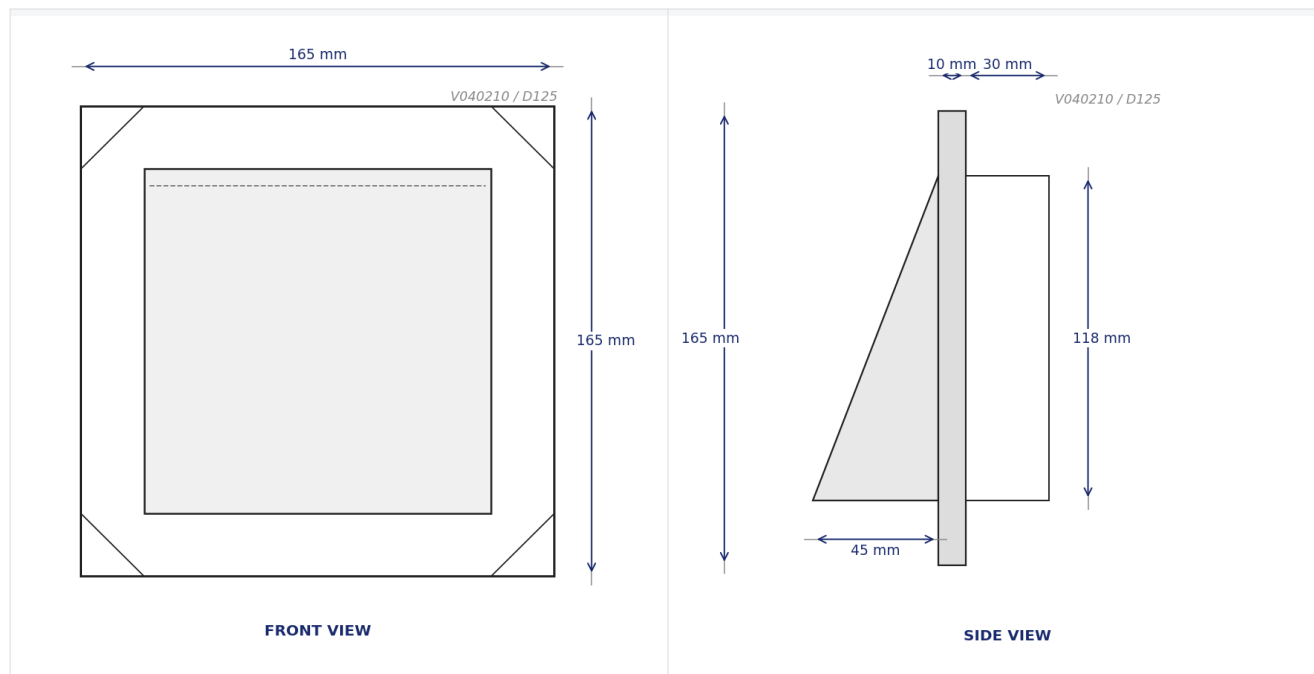
KEY FEATURES

- ✓ Fits Ø 125 mm ventilation pipe ends
- ✓ Integrated rain & wind cover shield
- ✓ 45mm triangular cover projection
- ✓ 1 gravity-operated auto-close flap
- ✓ Ideal for exposed exterior installations
- ✓ Prevents backflow, insects & rodents
- ✓ Premium chamfered decorative frame
- ✓ UV-resistant — no discolouration
- ✓ Non-hazardous ABS (GHS compliant)
- ✓ Made in Greece

TYPICAL APPLICATIONS

• Exterior Walls	• Commercial Kitchens	• Bathrooms	• Coastal Buildings	• Exposed Facades
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TECHNICAL DRAWINGS



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Plastic Round Grille with Stable Flaps —
D125mm

Product Code: V040203

The V040203 is the Ø125mm version of the round stable-flap ventilation grille, featuring a circular louvre opening set within a square mounting plate. The larger 160×160mm format accommodates the greater pipe diameter while maintaining the same clean aesthetic and zero-maintenance fixed louvre design as the D100 equivalent (V040202). The fixed horizontal slats provide permanent passive airflow while preventing insects, rodents and direct water ingress — with no moving parts to maintain. With a slim 3mm frame plate and a 37mm connector depth, the V040203 has minimal wall projection. Manufactured from UV-resistant ABS resin for long-term colour stability and durability.

Pipe Diameter	Ø 125 mm
Overall Dimensions	160 × 160 mm
Frame Thickness	3 mm
Pipe Connector Depth	37 mm
Total Depth	40 mm
Connector Height	125 mm
Opening Shape	Circular
Flap Type	Stable / Fixed horizontal louvres
Moving Parts	None
Material	ABS Resin (Acrylonitrile-Butadiene-Styrene)
Material Grade	Formosa TAIRILAC — Injection Moulding
Color	White
UV Resistance	Yes — will not discolour over time

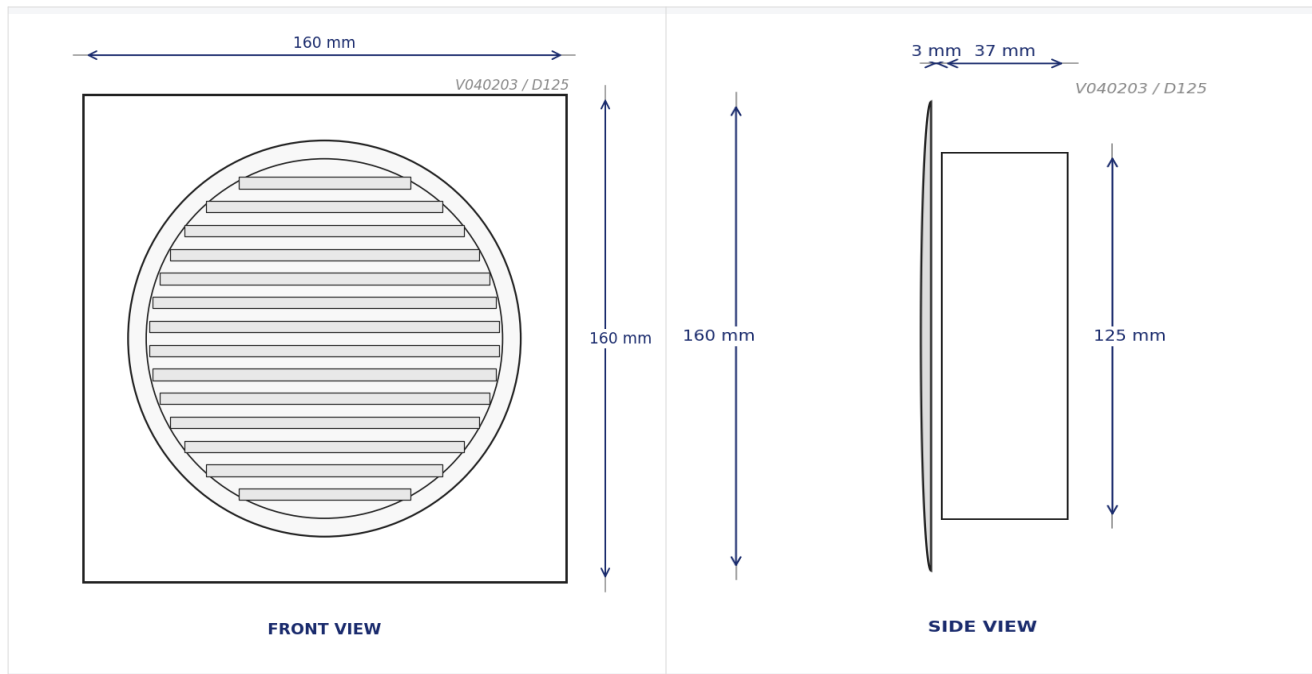
KEY FEATURES

- ✓ Fits Ø 125 mm ventilation pipe ends
- ✓ Circular louvre opening — modern aesthetic
- ✓ Fixed stable louvres — no moving parts
- ✓ Zero maintenance required
- ✓ Prevents insects & rodents
- ✓ Slim 3mm frame — minimal projection
- ✓ UV-resistant — no discolouration
- ✓ Non-hazardous ABS (GHS compliant)
- ✓ Made in Greece

TYPICAL APPLICATIONS

• Kitchens	• Bathrooms	• Offices	• Exterior Walls	• Residential
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TECHNICAL DRAWINGS



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Plastic Rectangular Ventilation Grille — Stable Flaps

Product Code: V040201

The V040201 is a rectangular plastic ventilation grille featuring fixed (stable) horizontal flaps. Its slim profile and wide format make it suitable for installation at any ventilation pipe end, regardless of pipe diameter. The fixed louvre design provides permanent, passive airflow control while preventing insects, rodents and direct water ingress. Manufactured from UV-resistant ABS resin, the grille maintains its white finish over time and is widely used in residential, commercial and light industrial applications.

Overall Dimensions	140 × 182 mm
Total Depth	5 mm (frame thickness)
Flap Type	Stable / Fixed horizontal louvres
Pipe Compatibility	Suitable for any pipe end diameter
Number of Louvres	14 (fixed)
Material	ABS Resin (Acrylonitrile-Butadiene-Styrene)
Material Grade	Formosa TAIRILAC — Injection Moulding
Color	White
Mounting	Corner screw-mount (4 points)
UV Resistance	Yes — will not discolour over time

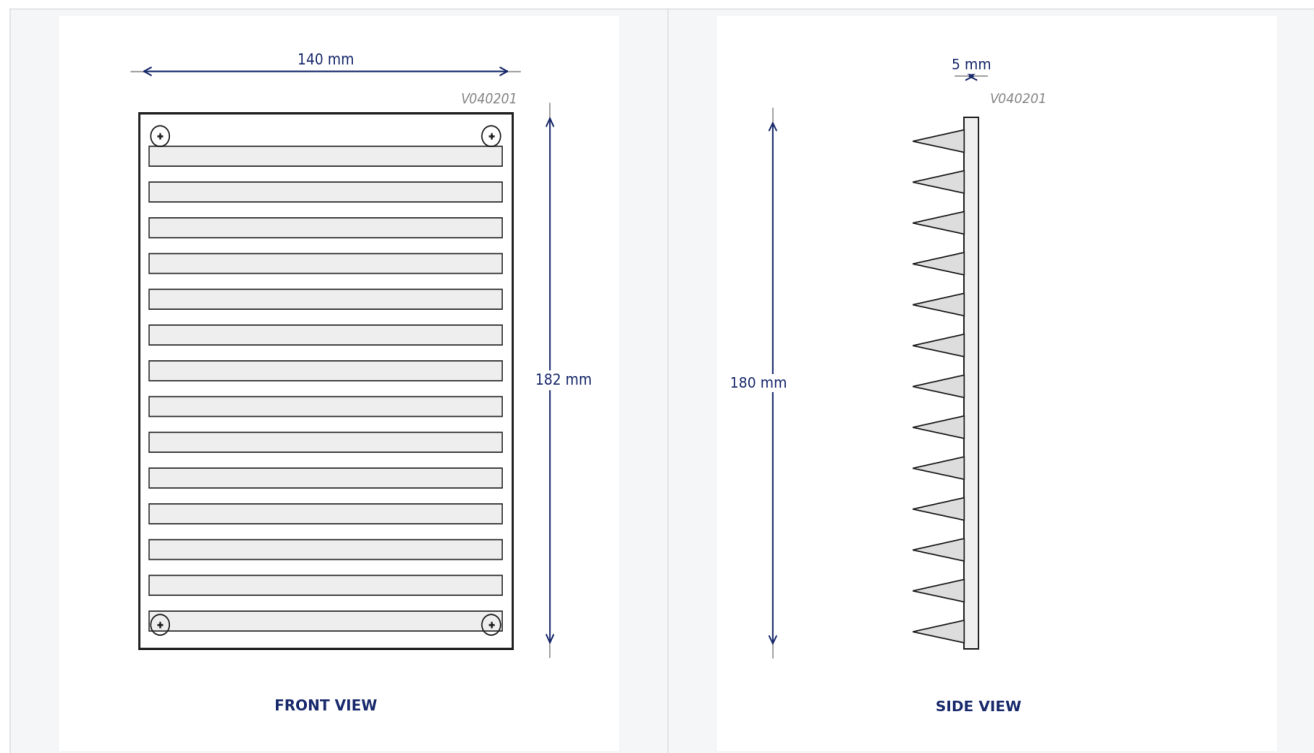
KEY FEATURES

- ✓ Suitable for any pipe end diameter
- ✓ Fixed louvres — passive airflow, no moving parts
- ✓ Prevents insects & rodents
- ✓ Slim 5mm profile — minimal wall projection
- ✓ UV-resistant — no discolouration
- ✓ Corner screw-mount — easy installation
- ✓ Non-hazardous ABS (GHS compliant)
- ✓ Made in Greece

TYPICAL APPLICATIONS

• Kitchens	• Bathrooms	• Offices	• Residential	• Light Industrial
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TECHNICAL DRAWINGS



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Plastic Systolic Grille — 4 Moving Flaps, D100 & D125

Product Code: V040205

The V040205 is a plastic systolic ventilation grille with 4 gravity-operated moving flaps, uniquely designed to fit both Ø100mm and Ø125mm ventilation pipe ends. Its dual-connector system features two concentric sleeves: an outer sleeve for Ø125mm pipes and an inner sleeve for Ø100mm pipes, making it a universal solution for mixed installations. Four large flaps (31mm each) open automatically when the fan is active and seal shut when idle, preventing backflow, insects, rodents and water ingress. The square 150×150mm mounting plate with corner screw fixing ensures a secure, clean installation. Manufactured from UV-resistant ABS resin for long-term durability and colour stability.

Pipe Compatibility	Ø 100 mm AND Ø 125 mm
Overall Dimensions	150 × 150 mm
Frame Thickness	5 mm
Inner Sleeve Depth	30 mm (Ø 125 mm)
Outer Sleeve Depth	30 mm (Ø 100 mm)
Total Depth	65 mm
Inner Connector Height	120 mm (Ø 125 mm pipe)
Outer Connector Height	100 mm (Ø 100 mm pipe)
Number of Flaps	4
Flap Height	31 mm each
Material	ABS Resin (Acrylonitrile-Butadiene-Styrene)
Material Grade	Formosa TAIRILAC — Injection Moulding
Color	White
Flap Operation	Gravity-operated (auto open/close)
UV Resistance	Yes — will not discolour over time

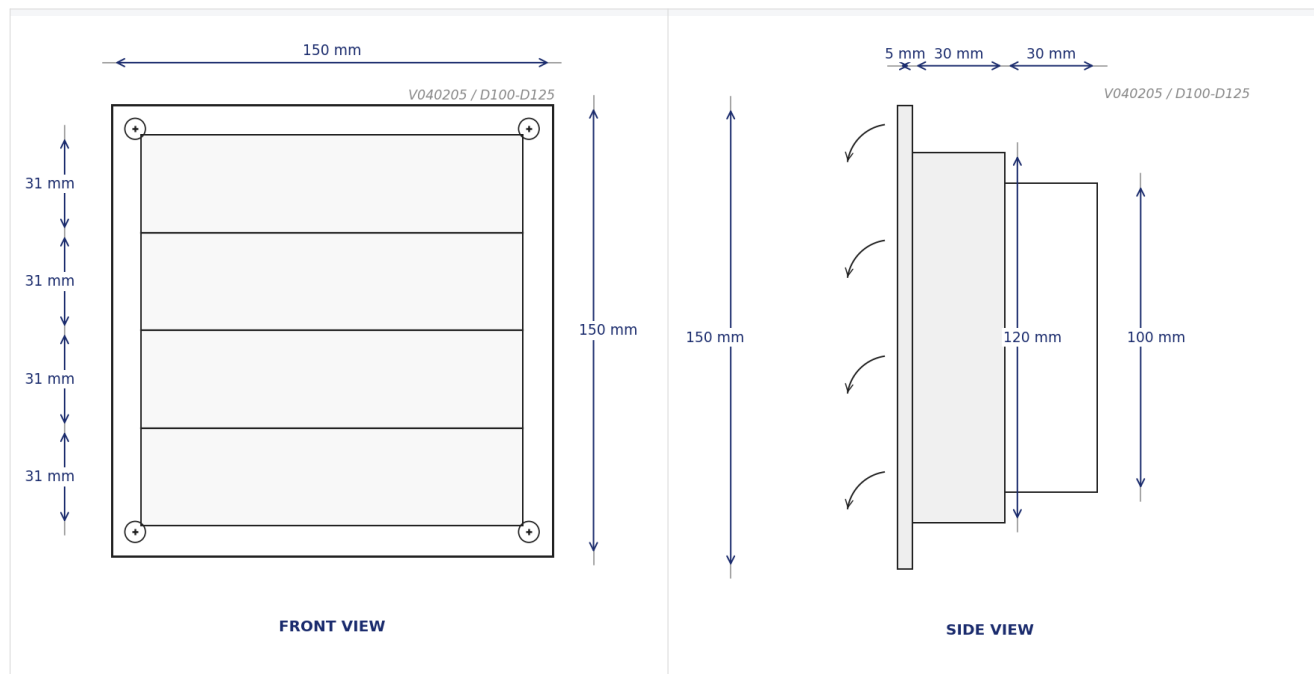
KEY FEATURES

- ✓ Fits BOTH Ø100mm AND Ø125mm pipe ends
- ✓ Dual concentric connector system
- ✓ Universal — one SKU covers two pipe sizes
- ✓ 4 gravity-operated auto-close flaps
- ✓ 31mm flaps — excellent airflow coverage
- ✓ Prevents backflow, insects & rodents
- ✓ Water ingress protection
- ✓ UV-resistant — no discolouration
- ✓ Corner screw-mount — easy installation
- ✓ Non-hazardous ABS (GHS compliant)
- ✓ Made in Greece

TYPICAL APPLICATIONS

• Kitchens	• Bathrooms	• Mixed Installations	• Renovation Projects	• HVAC
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TECHNICAL DRAWINGS



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