

# PRODUCT CATALOGUE



INDUSTRIAL PLASTIK TECH  
NEURUPPIN GMBH



JULY 2020

**IPT Product catalogue**

**YACHT SYSTEM YS**

**Status as of July 2020**

Industrial Plastik Tech Neuruppin GmbH

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All information is subject to errors  
and technical changes.

# PRODUCT STRUCTURE

## YACHT SYSTEM **YS**

### SUB GROUPS

	ABBREVIATION	MATERIALS	ABBREVIATION
FRAME	<b>FR</b>	Polypropylene	<b>PP</b>
WATER TRAP	<b>WT</b>	Steel S235JR	<b>ST</b>
COALESCER	<b>CE</b>	Stainless steel	<b>SLS</b>
MIST ELIMINATOR	<b>ME</b>	AISI 316 L	
SPRAY SHUTTER	<b>SP</b>	Aluminium EN AW-6060	<b>AL</b>
LOUVER	<b>LV</b>	EN AW-5754	
STORM SHUTTER	<b>ST</b>	Glass-fiber reinforced plastic	<b>GFRP</b>

### PROFILE TYPES

	ABBREVIATION
PROFILE 10	<b>P10</b>
PROFILE 35	<b>P35</b>
PROFILE 40	<b>P40</b>

### LOUVER TYPES

	ABBREVIATION
LOUVER 1035	<b>L1035</b>
LOUVER 4561	<b>L4561</b>
LOUVER 6769	<b>L6769</b>

### OPERATION TYPES

	ABBREVIATION
Manual operation	<b>MO</b>
Pneumatic operation	<b>PO</b>
Electromotive operation	<b>EMO</b>

### COLOURS

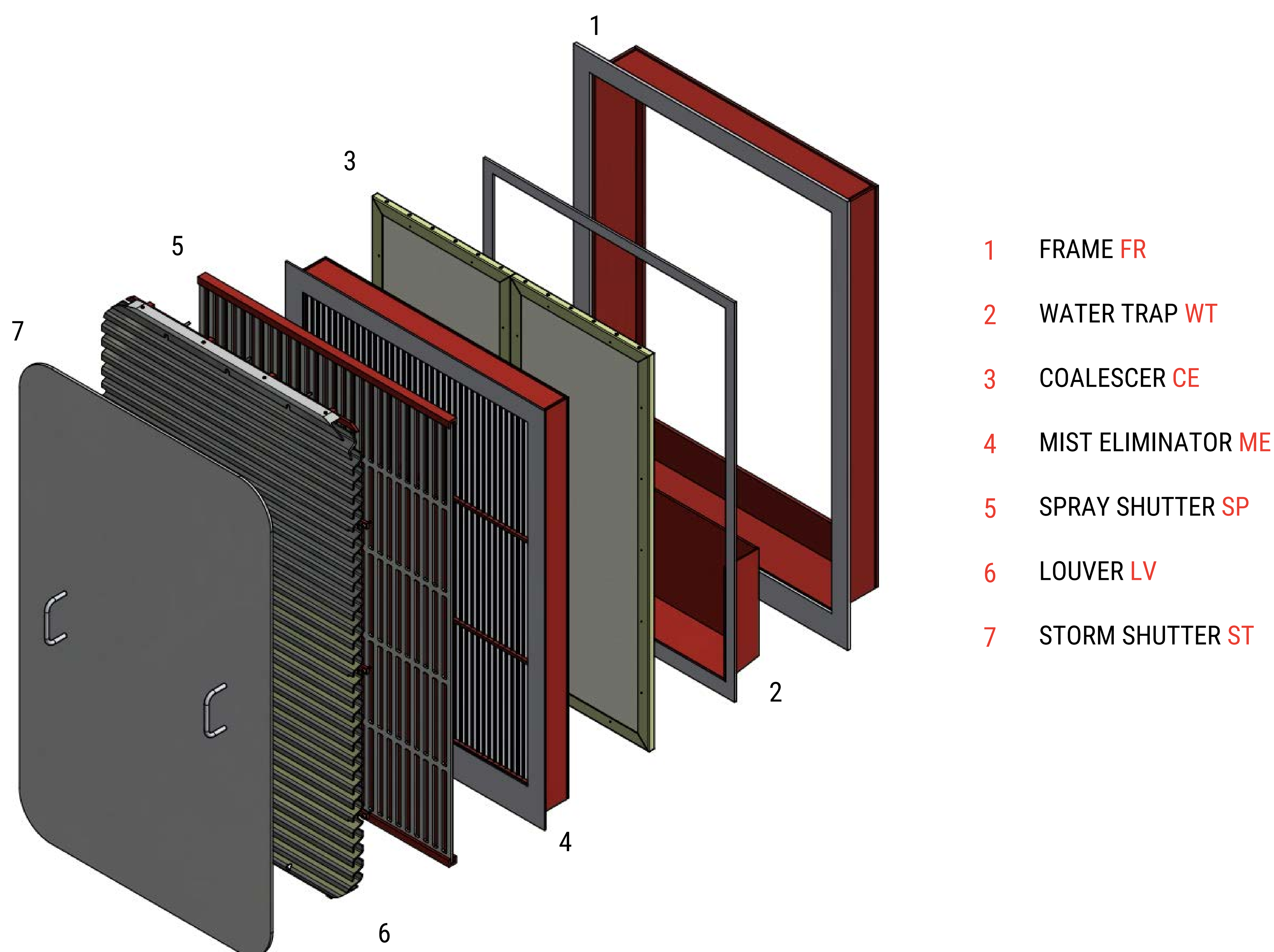
	ABBREVIATION
Polypropylene	<b>white, grey, black</b>
Aluminium	<b>PU-coating/ wet painting (RAL colours)</b>
Stainless steel	



# YACHT SYSTEM

The IPT YACHT SYSTEM provides a comprehensive approach to particle elimination in the maritime sector. A seven-part structure reduces the impact of rain, fog, mist and splash water on ventilation systems, and allows for individual adaptation to the ambient and functional specifications.

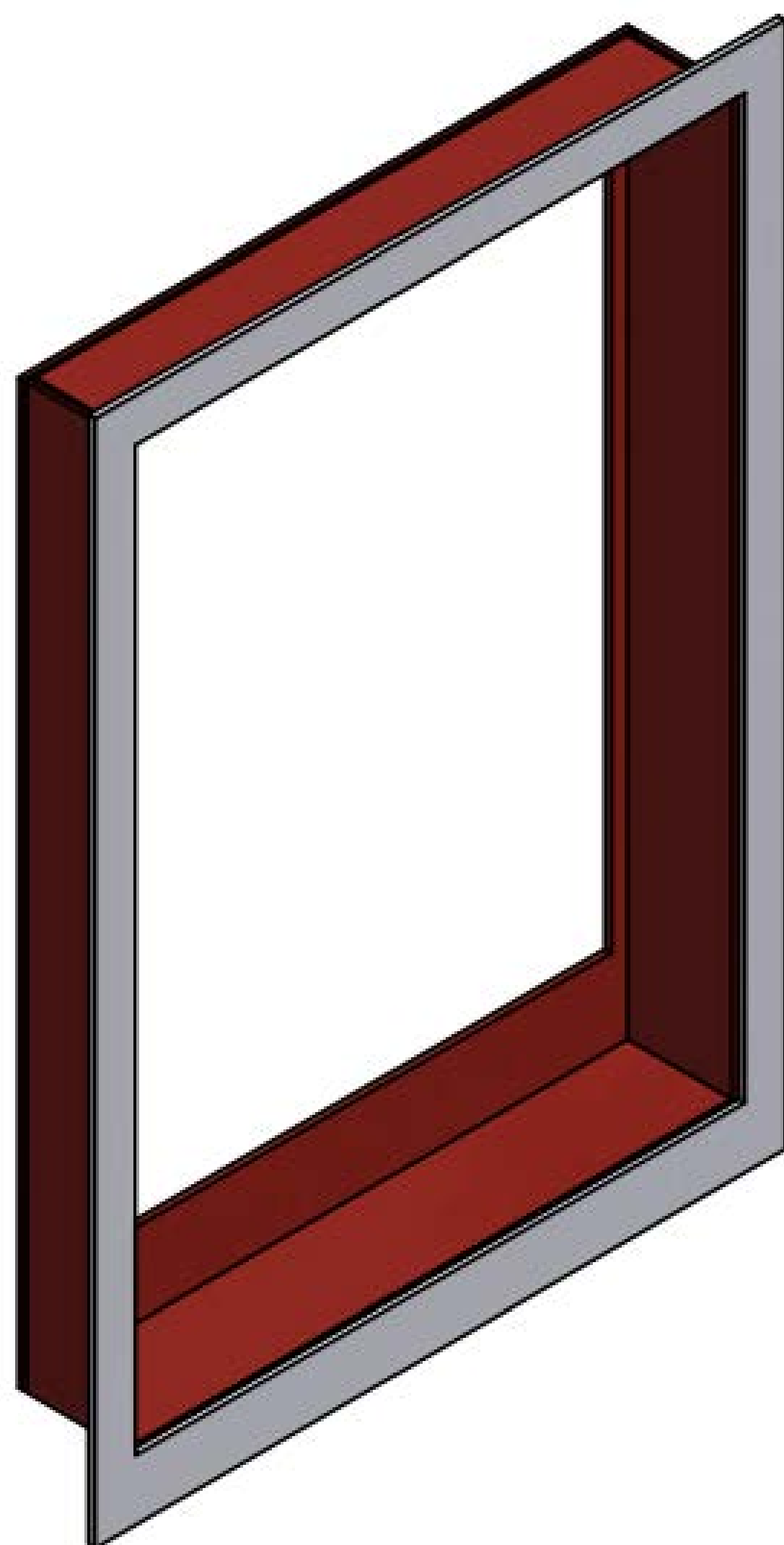
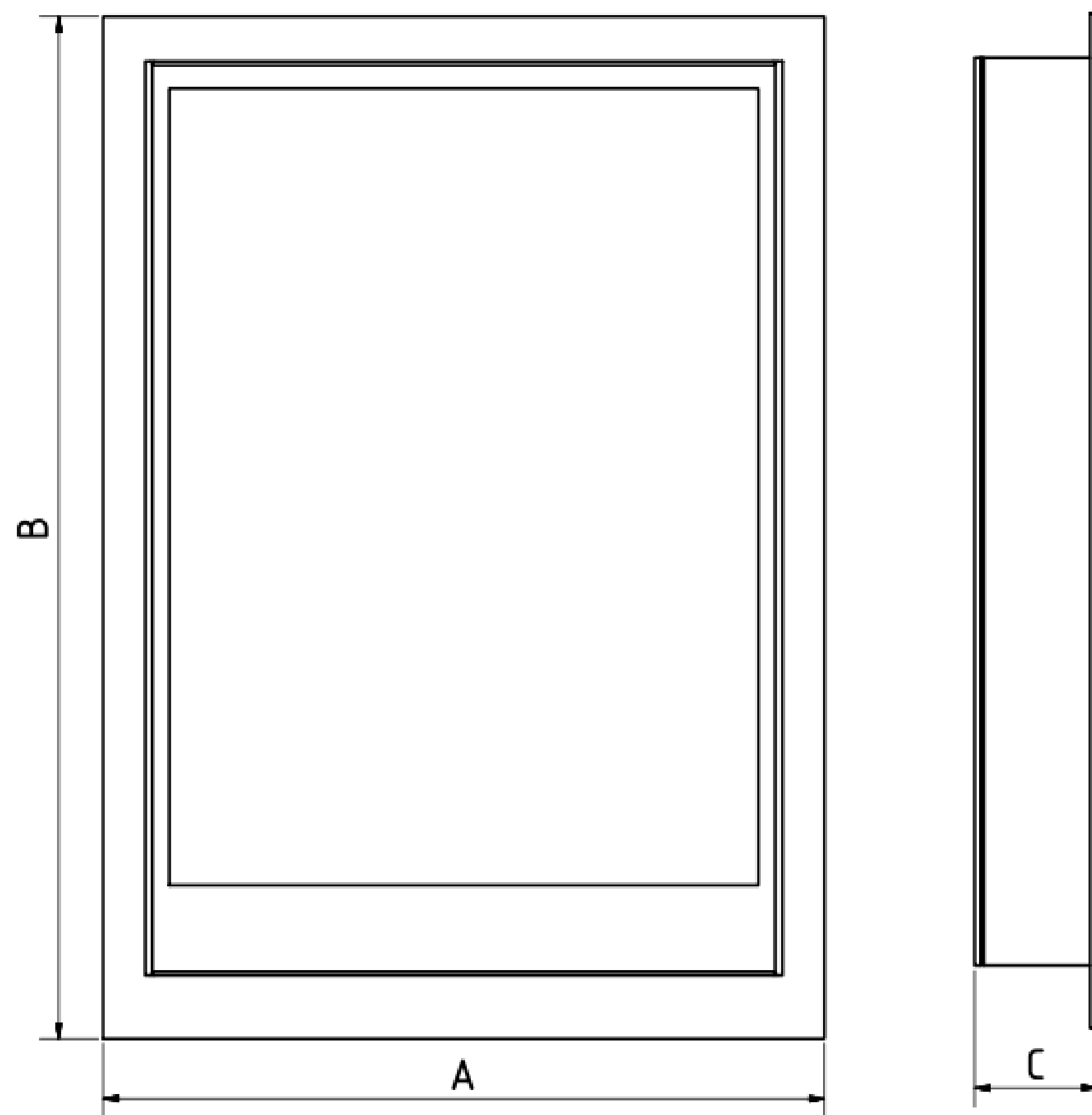
The use of aluminium, polypropylene, glass-fiber reinforced plastic, steel and stainless steel combines the advantages of lightweight materials and reduced wear and tear in harsh conditions, thereby greatly extending the life time of filters and mist eliminators.



# YACHT SYSTEM

## FRAME FR

Customized dimensions are available on request.



### Usage

As part of the IPT YACHT SYSTEM, the FRAME FR encases all AIR INTAKE components and allows for direct mounting on the ship's hull.

### Technical characteristics

- ▶ Employed for the integration of WATER TRAP, COALESCER, MIST ELIMINATOR, SPRAY SHUTTER, LOUVER and STORM SHUTTER
- ▶ Available for surface-, concealed- and half-concealed mounting
- ▶ Available with integrated WATER TRAP

### Materials

aluminium  
polypropylene  
stainless steel

### Options

The FRAME can be modified for use with the following profiles:

P10, P35, P40

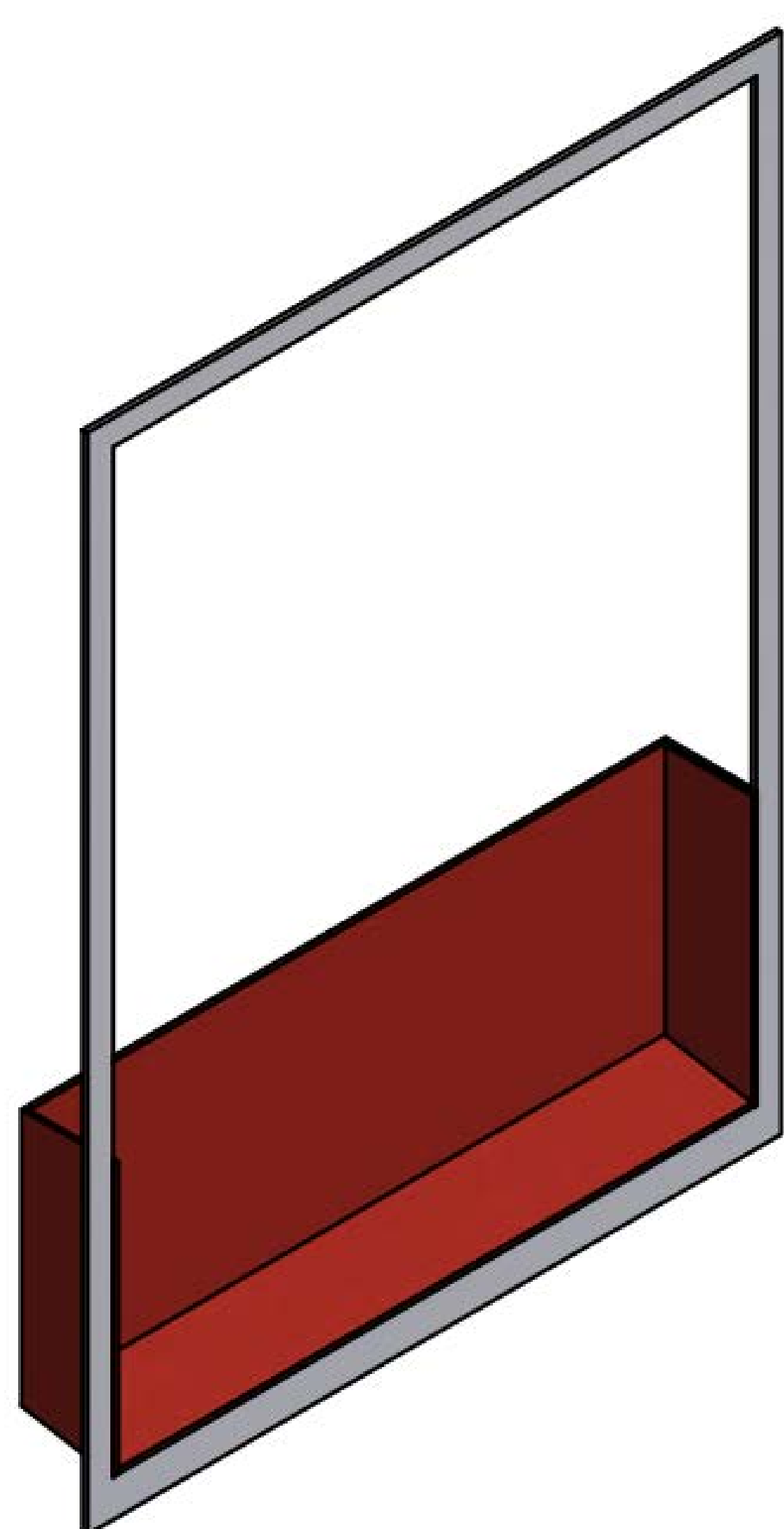
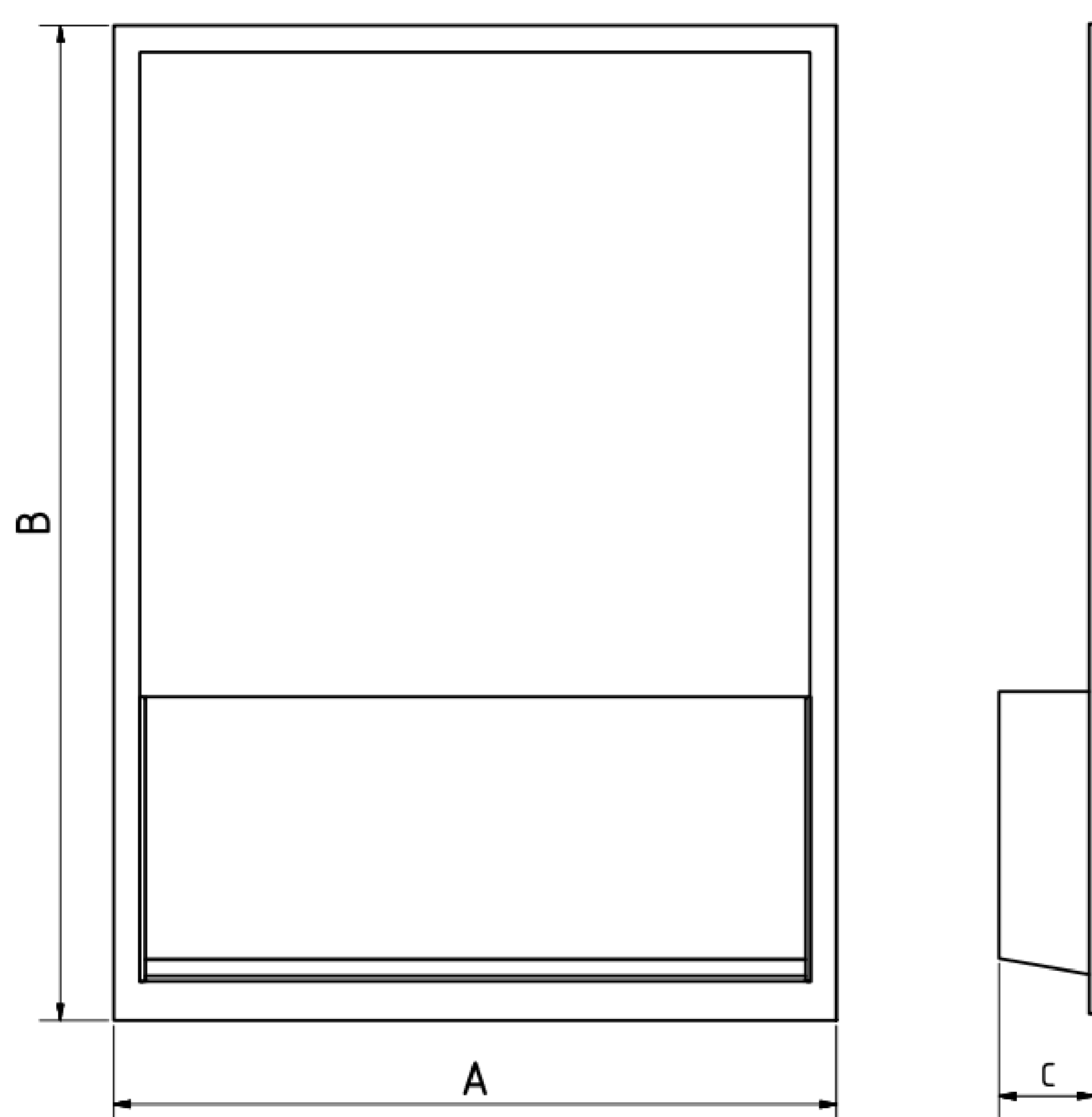
### Product Variations

ART.NO.	TYPE	MATERIAL
22.10.10.00	P10	polypropylene
22.10.10.40	P10	aluminium
22.10.10.50	P10	stainless steel
22.10.35.00	P35	polypropylene
22.10.35.40	P35	aluminium
22.10.40.00	P40	polypropylene
22.10.40.40	P40	aluminium

# YACHT SYSTEM

## WATER TRAP WT

Customized dimensions are available on request.



### Usage

As the second stage of the YACHT SYSTEM, the WATER TRAP WT is responsible for retaining liquid particles collected through COALESCER CE and MIST ELIMINATOR ME.

### Technical characteristics

- ▶ To be used as a stand-alone version or as part of the YACHT SYSTEM
- ▶ Controlled water discharge through the front or integrated into the ship's own drainage system

### Materials

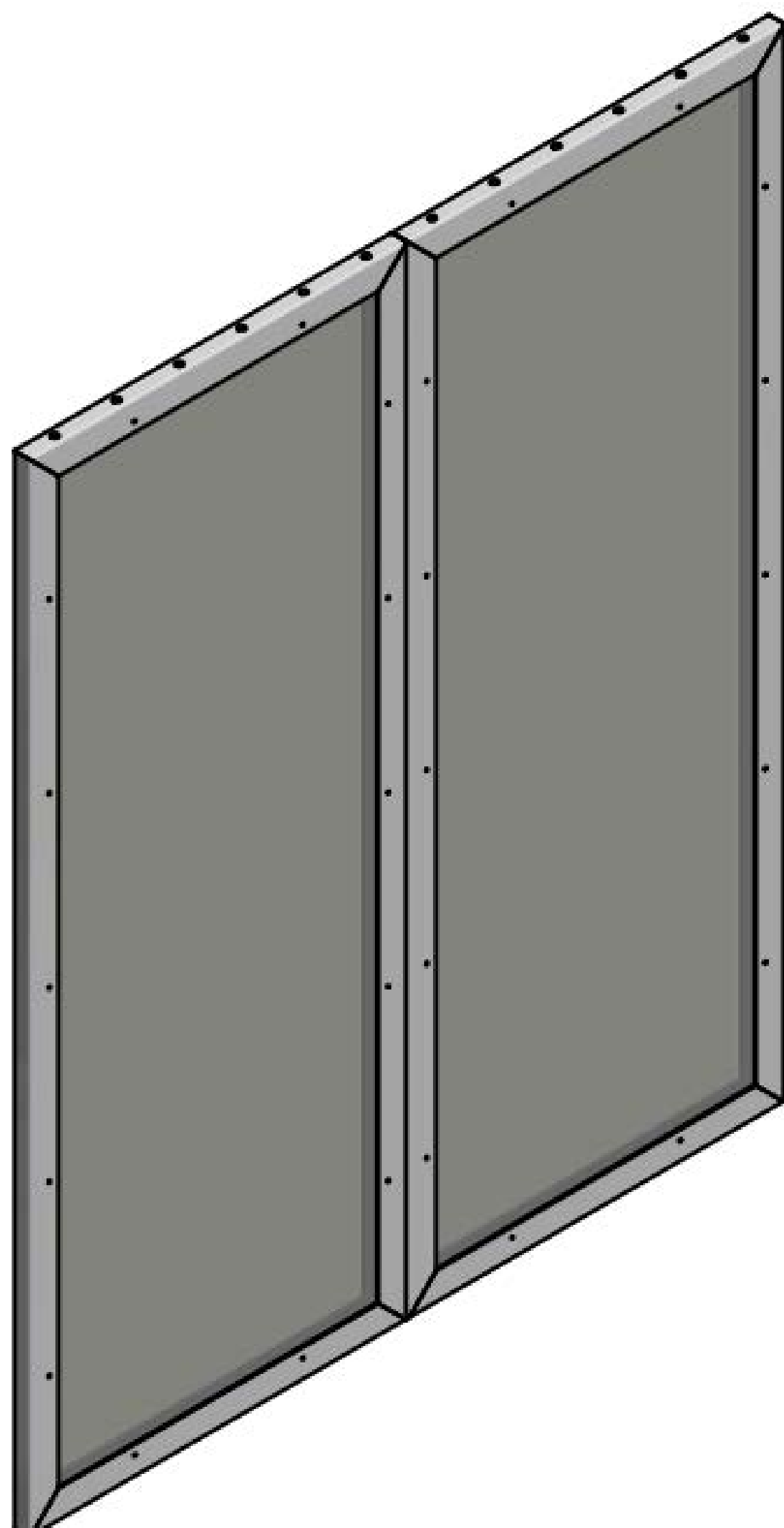
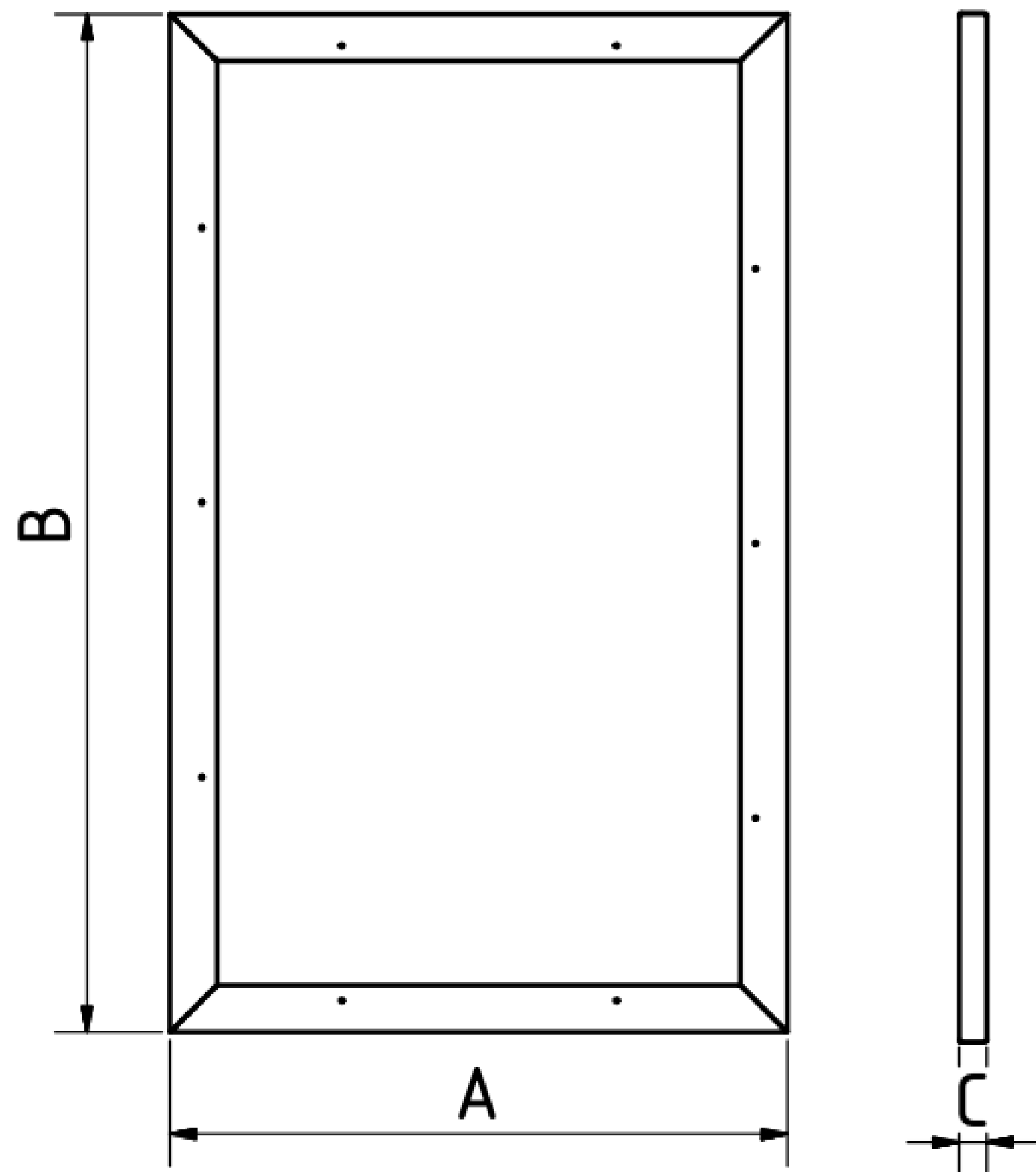
polypropylene  
aluminium  
steel

### Product Variations

ART.NO.	TYPE	MATERIAL
22.20.10.00	P10	polypropylene
22.20.10.40	P10	aluminium
22.20.10.60	P10	steel
22.20.35.00	P35	polypropylene
22.20.35.40	P35	aluminium
22.20.35.60	P35	steel
22.20.40.00	P40	polypropylene
22.20.40.40	P40	aluminium
22.20.40.60	P40	steel

# YACHT SYSTEM COALESCER CE

Customized dimensions are available on request.



## Usage

Installed before or behind a mist eliminator, the COALESCER CE filters incoming air flows and removes both liquid and solid contaminants through the coalescence of small fluid drops (in the ppm range) into larger drop diameter.

## Technical characteristics

- ▶ Operating Medium: Fresh air
- ▶ Operating Temperature: - 20 to - 80 °C
- ▶ Pressure Loss Clean: 1 - 5 mbar

## Materials

polypropylene  
stainless steel  
aluminium  
high-density polyethylene

## Advantages

- ▶ Low weight
- ▶ No corrosion
- ▶ Scalable dimensions
- ▶ Material mix possible
- ▶ Easy handling and cleaning

## Product Variations

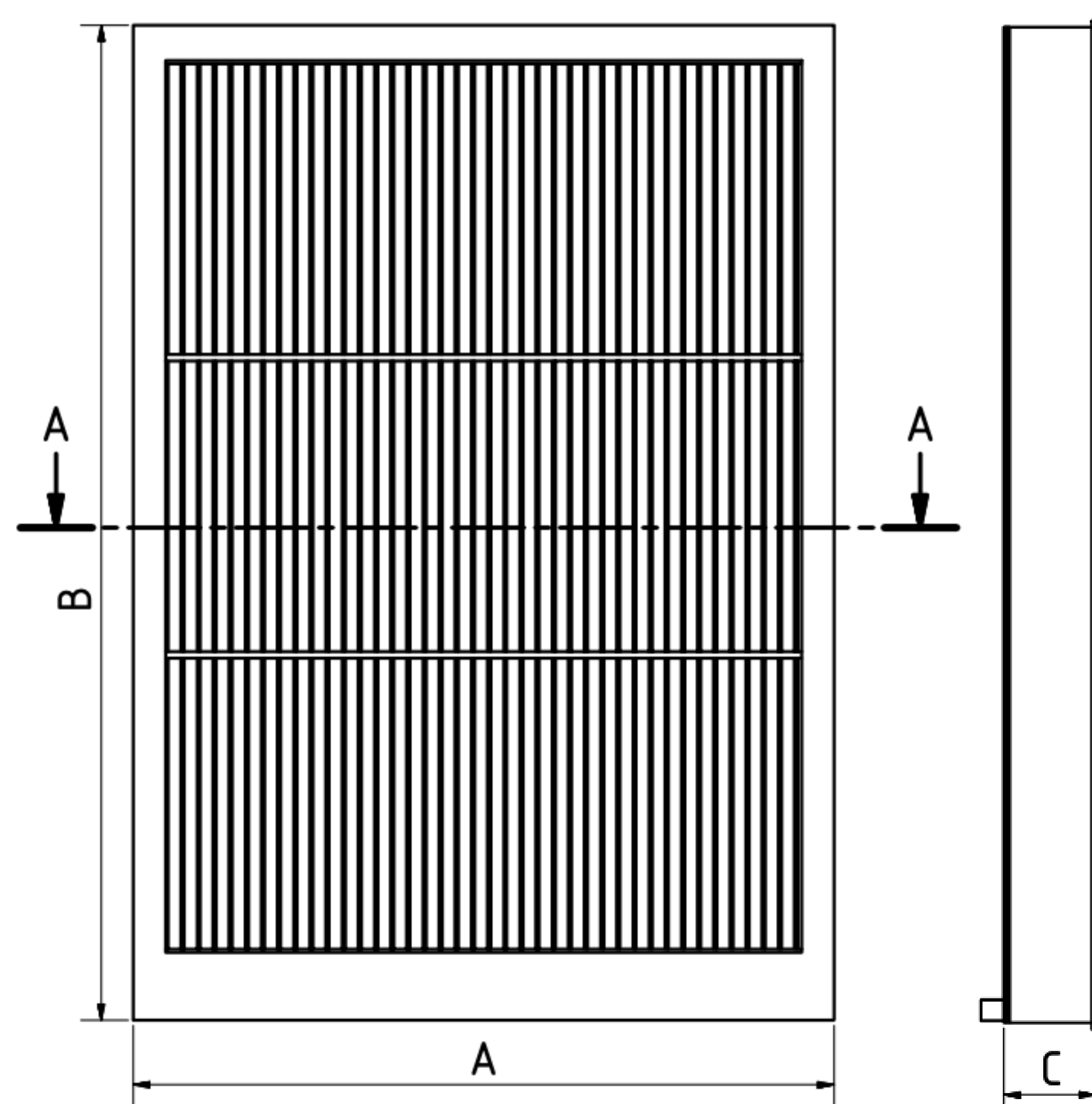
ART.NO.	TYPE	MATERIAL
22.30.10.00	unframed	polypropylene
22.30.20.00	framed	polypropylene
22.30.20.40	framed	aluminium
22.30.20.50	framed	stainless steel



# YACHT SYSTEM

## MIST ELIMINATOR ME

Customized dimensions are available on request.



### Usage

As the core of the AIR INTAKE system, the vane-type MIST ELIMINATOR ME protects ventilation systems from ingressing water. The incoming air flow is guided through sinusoidally shaped profiles, causing large liquid particles with high inertia to build a thin film and drop into the drainage system.

### Technical characteristics

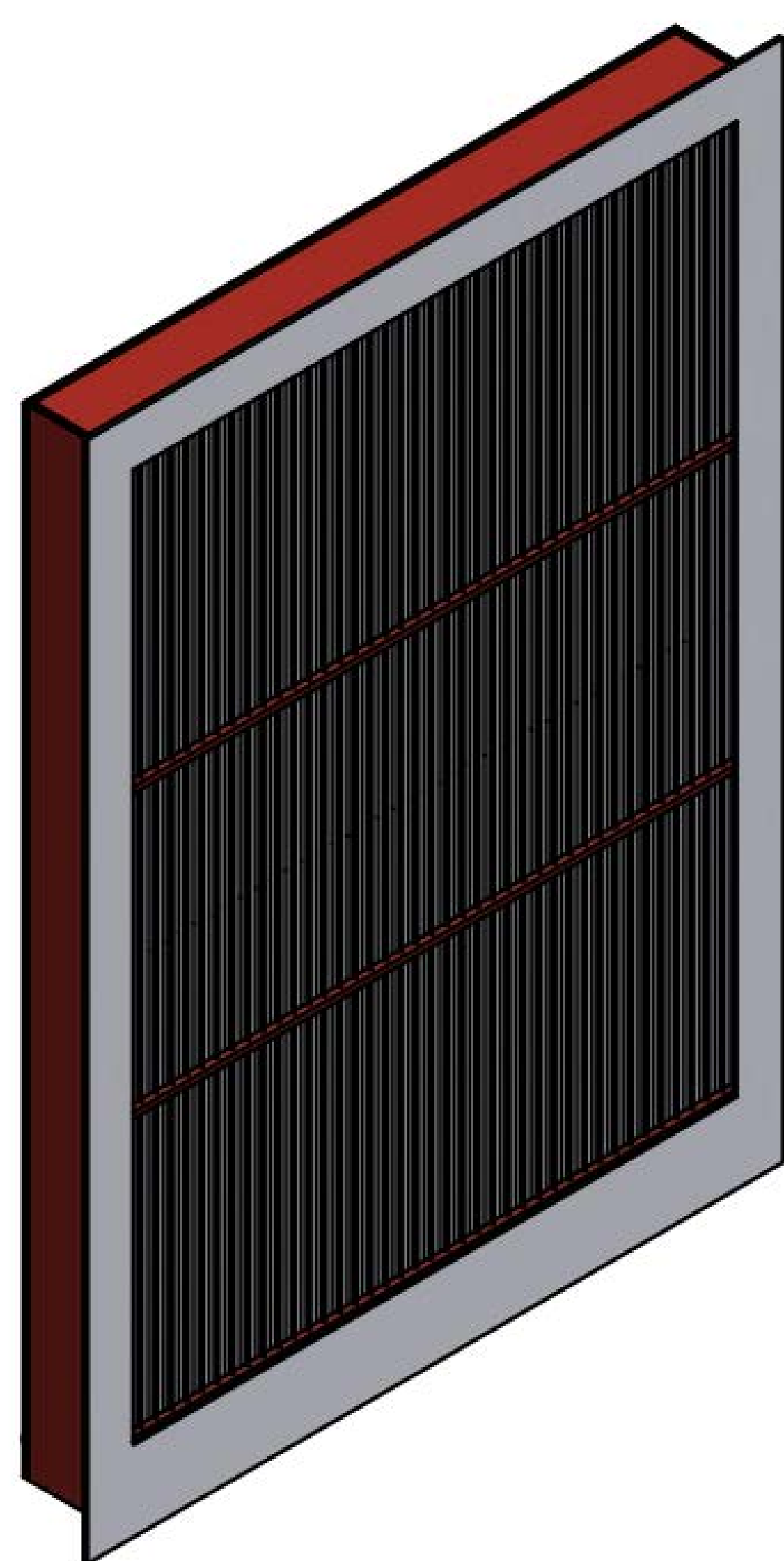
- ▶ High separation efficiency
- ▶ Individual construction depth based on different profile types

### Materials

polypropylene  
stainless steel  
aluminium

### Options

- ▶ Material mix possible
- ▶ Aluminium: heated version available

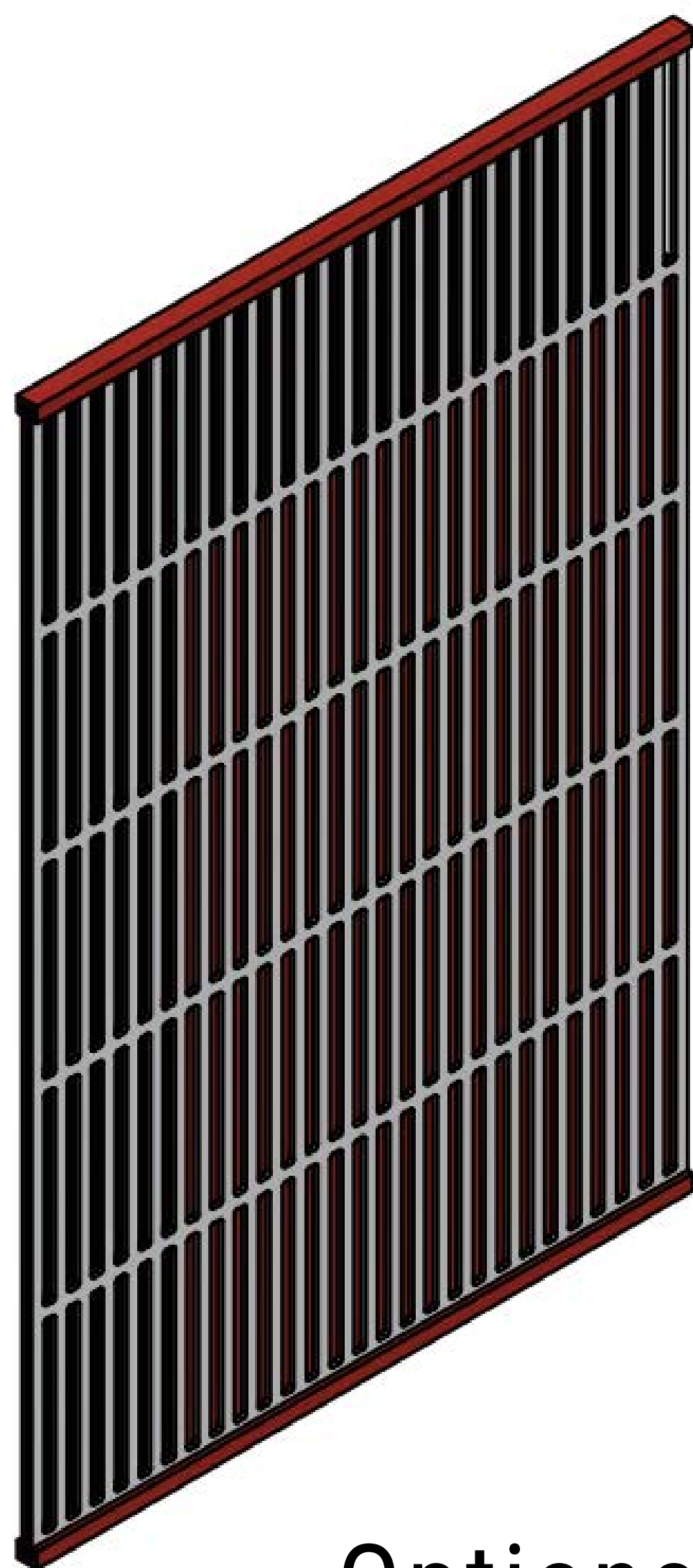
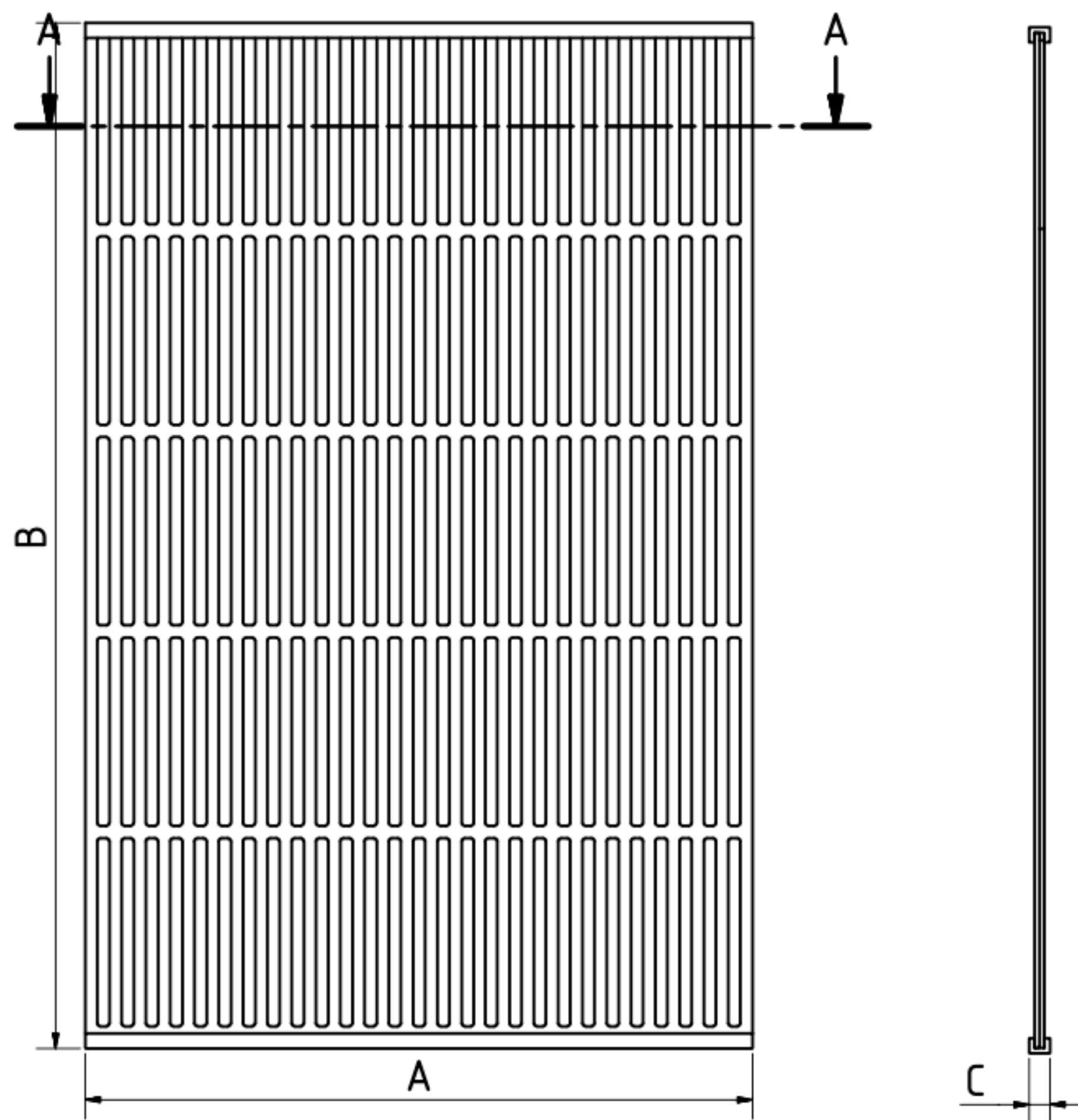


### Product Variations

ART.NO.	TYPE	MATERIAL
22.40.10.00	P10	polypropylene
22.40.10.40	P10	aluminium
22.40.10.45	P10	frame AL / profile PP
22.40.35.00	P35	polypropylene
22.40.35.40	P35	aluminium
22.40.35.45	P35	frame AL / profile PP
22.40.40.00	P40	polypropylene
22.40.40.40	P40	aluminium
22.40.40.45	P40	frame AL / profile PP

# YACHT SYSTEM SPRAY SHUTTER SP

Customized dimensions are available on request.



## Options

- ▶ Pneumatic operation
- ▶ Electromotive operation

## Usage

The SPRAY SHUTTER SP helps to deflect water sprays from installed AIR INTAKES, lowering moisture penetration and the probability of corrosion.

## Technical characteristics

- ▶ SPRAY SHUTTER for mechanical water stop (manual operation)
- ▶ Free cross-section up to 50 %
- ▶ To be used as a stand-alone version or as part of the YACHT SYSTEM
- ▶ In operation within the YACHT SYSTEM: direct water drainage through the WATER TRAP

## Materials

polypropylene  
aluminium

## Advantages

- ▶ Low weight
- ▶ Closure indicator
- ▶ Easy maintenance and cleaning

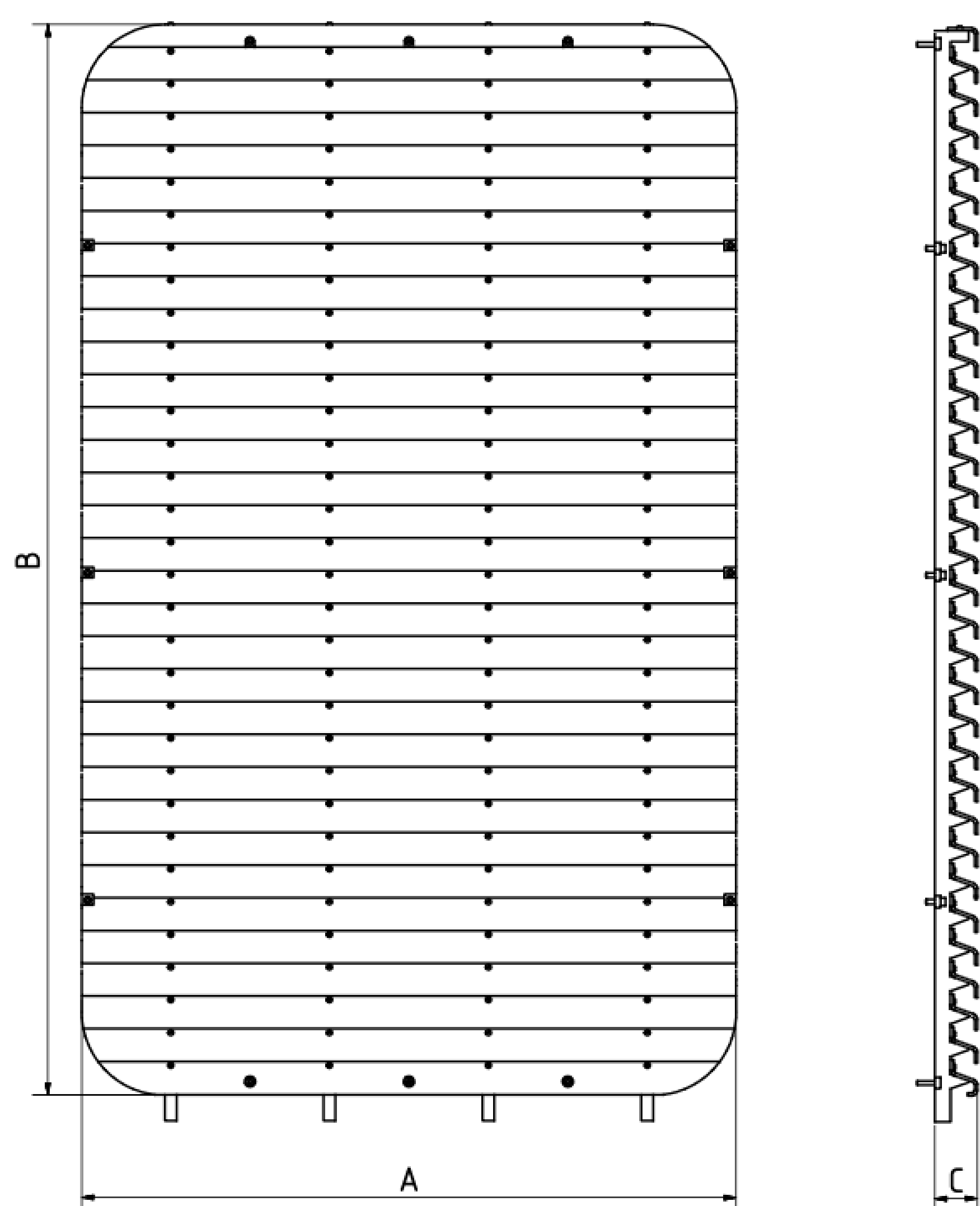
## Product Variations

ART.NO.	TYPE	MATERIAL
22.50.10.00	MO	polypropylene
22.50.10.40	MO	aluminium
22.50.11.00	PO	polypropylene
22.50.11.40	PO	aluminium
22.50.12.00	EMO	polypropylene
22.50.12.40	EMO	aluminium

# YACHT SYSTEM

## LOUVER LV-F/LV-U

Customized dimensions are available on request.



### Usage

The LOUVER LV acts as a grip guard and provides additional visual protection for AIR INTAKES.

### Technical characteristics

- ▶ LOUVER for the mechanical stop of a water spray (manual operation)
- ▶ Free cross-section up to 80 %
- ▶ In operation within the YACHT SYSTEM: water drainage through the WATER TRAP
- ▶ LV-F: framed for direct installation at the ship's hull
- ▶ LV-U: unframed for installation at the mist eliminator frame

### Materials

polypropylene  
aluminium  
glass-fibre reinforced plastic

### Options

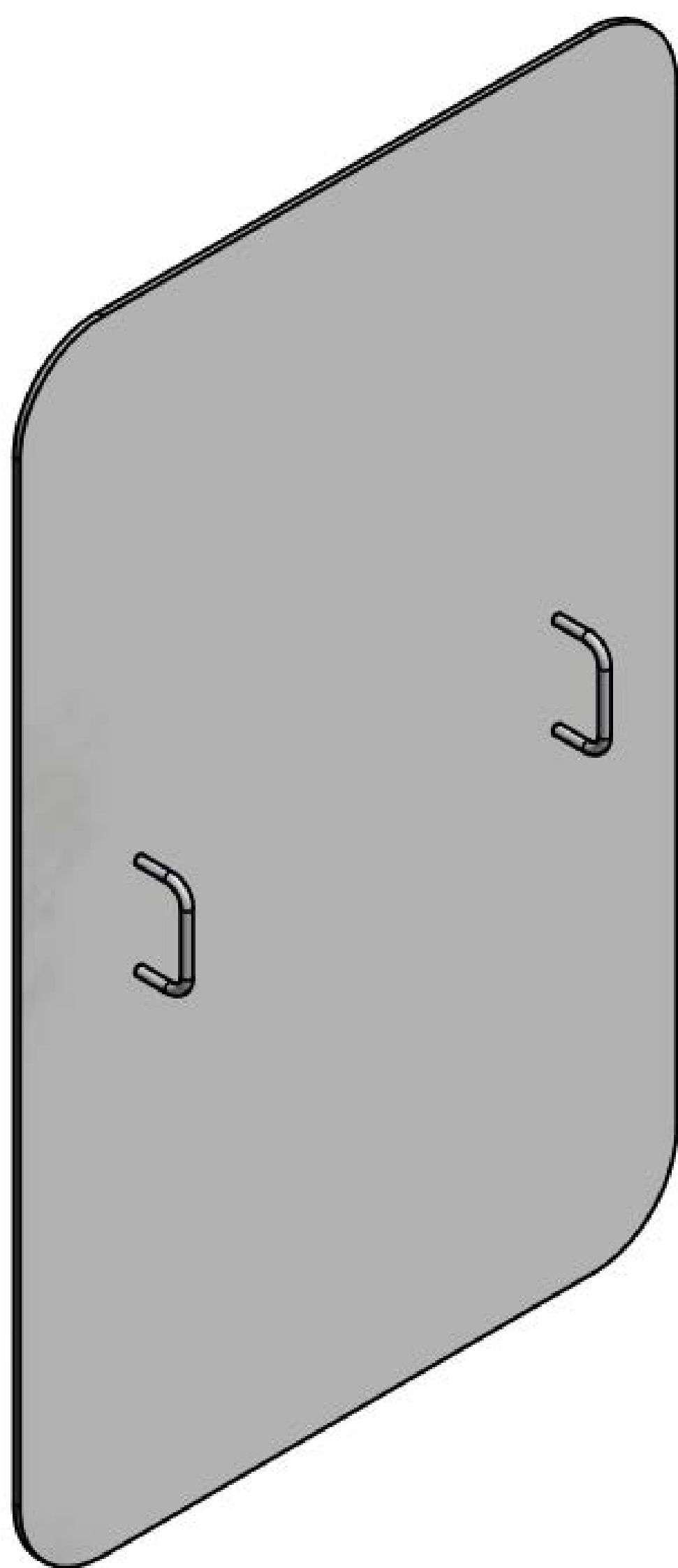
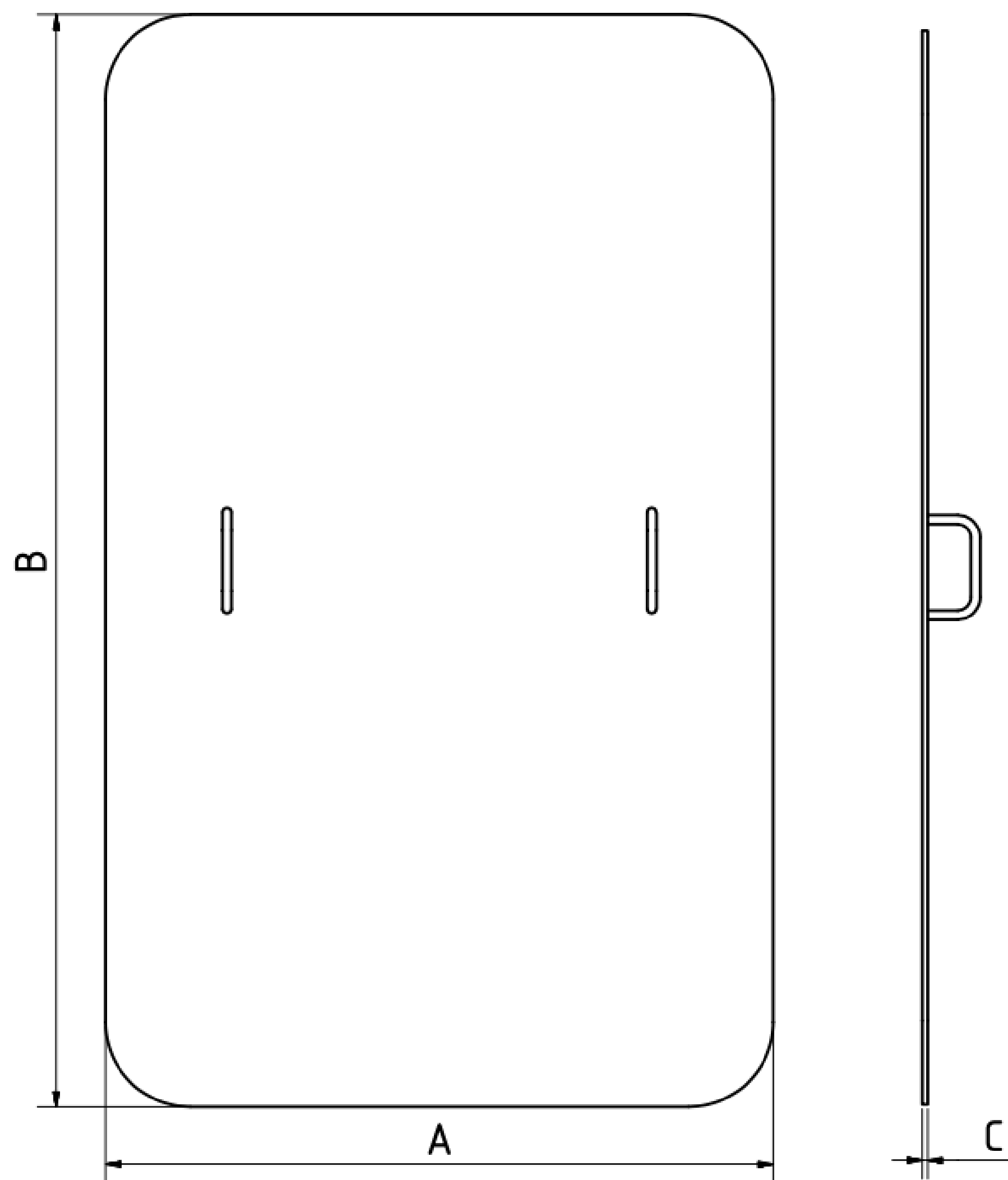
- ▶ Construction in varying profile geometry

### Product Variations

ART.NO.	TYPE	MATERIAL
22.60.10.40	L1035	aluminium
22.60.67.20	L6769	GFRP
22.60.67.40	L6769	aluminium
22.60.45.20	L4561	GFRP
22.60.45.40	L4561	aluminium

# YACHT SYSTEM STORM SHUTTER **ST**

Customized dimensions are available on request.



## Usage

The STORM SHUTTER **ST** protects installed AIR INTAKES from heavy wave impact and provides additional cover from stray water droplets.

## Technical characteristics

- ▶ For manual, watertight closure of an AIR INTAKE in small to medium dimensions (0,25 – 1,0 m<sup>2</sup>)
- ▶ To be used as a stand-alone version or as part of the YACHT SYSTEM
- ▶ With practical handle and locking latch

## Materials

steel  
stainless steel  
aluminium  
glass-fibre reinforced plastic

## Options

- ▶ Pneumatic operation
- ▶ Electromotive operation

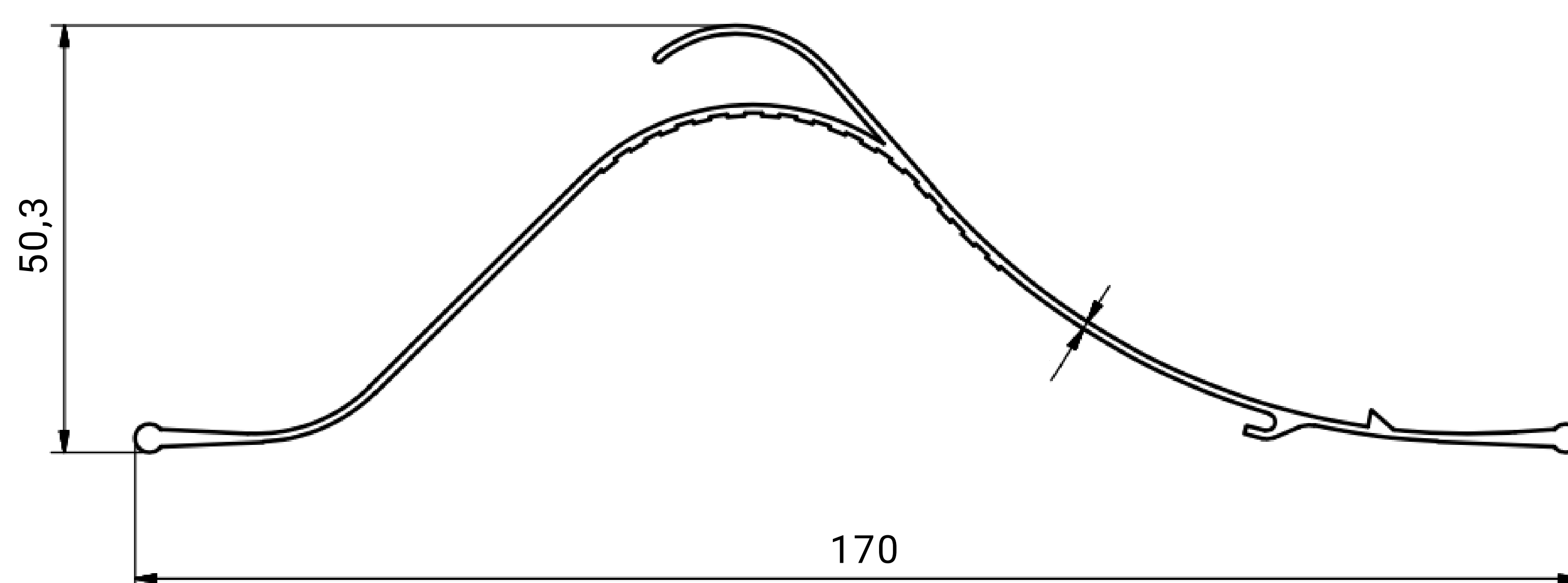
## Product Variations

ART.NO.	TYPE	MATERIAL
22.80.10.21	MO	GFRP
22.80.10.40	MO	aluminium
22.80.10.50	MO	stainless steel
22.80.10.60	MO	steel

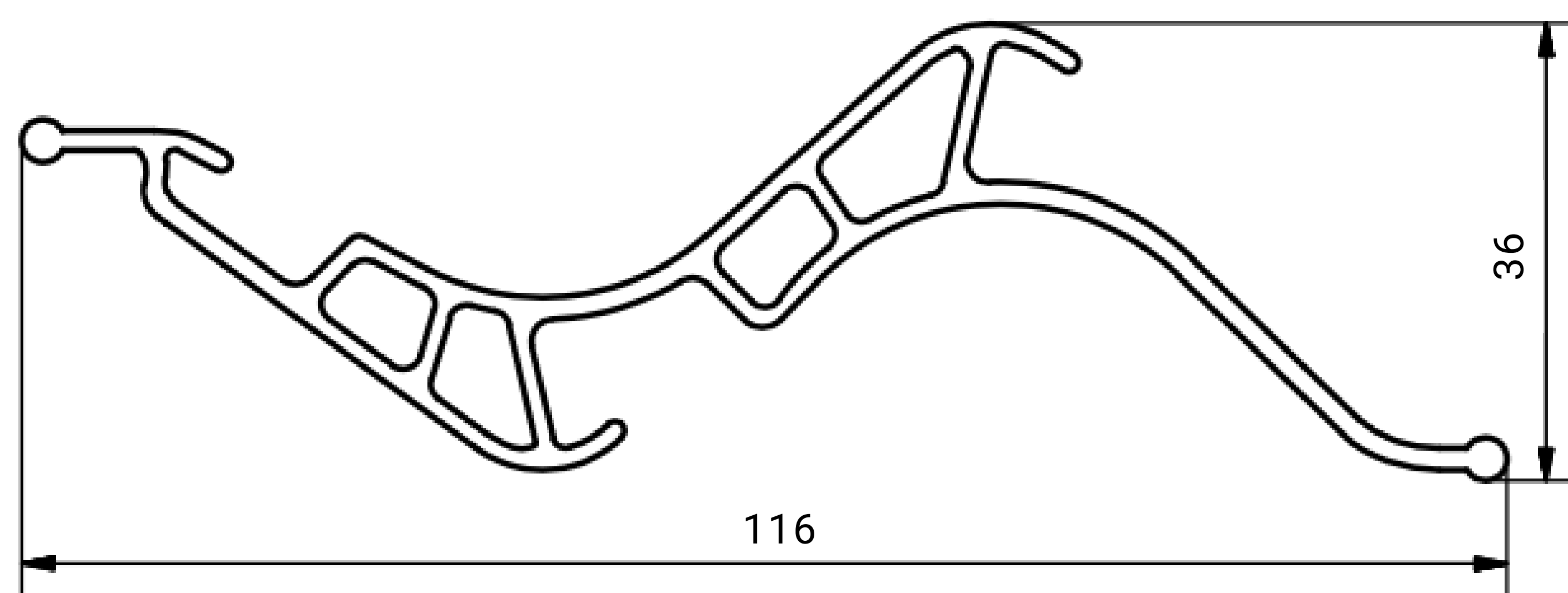
# YACHT SYSTEM

## PROFILE TYPES P

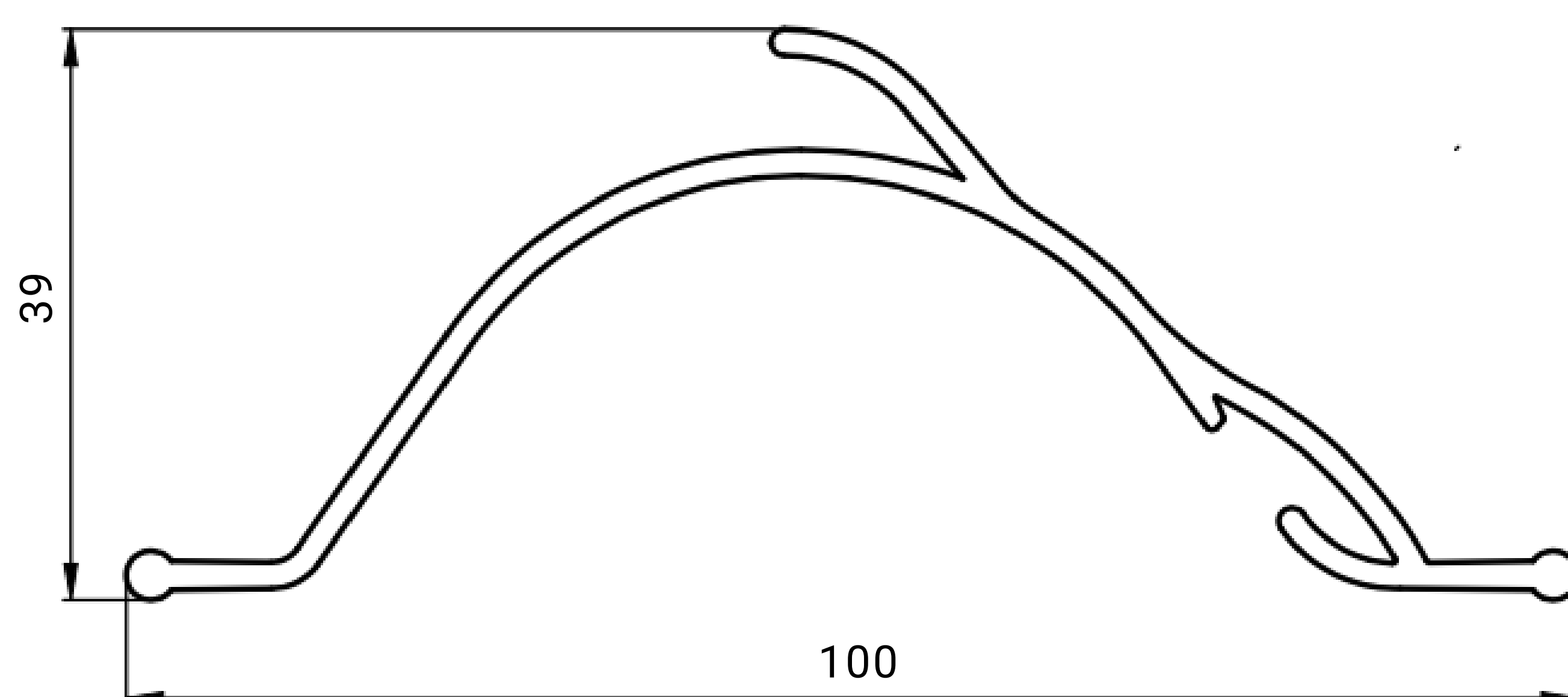
**PROFILE 10** Two-stage / coarse mist eliminator / retro-fit



**PROFILE 35** One-stage / high efficiency

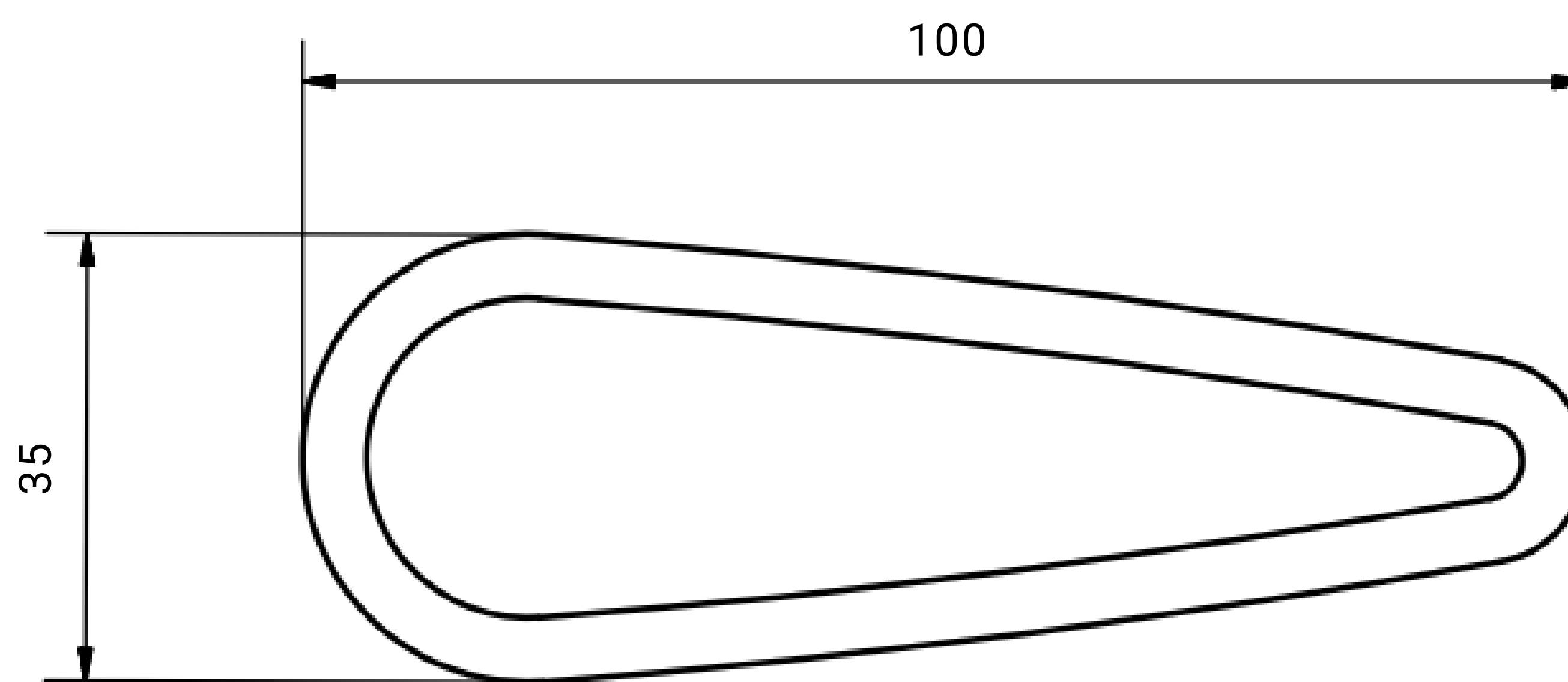


**PROFILE 40** One-stage or two-stage / fine separator / low space requirement

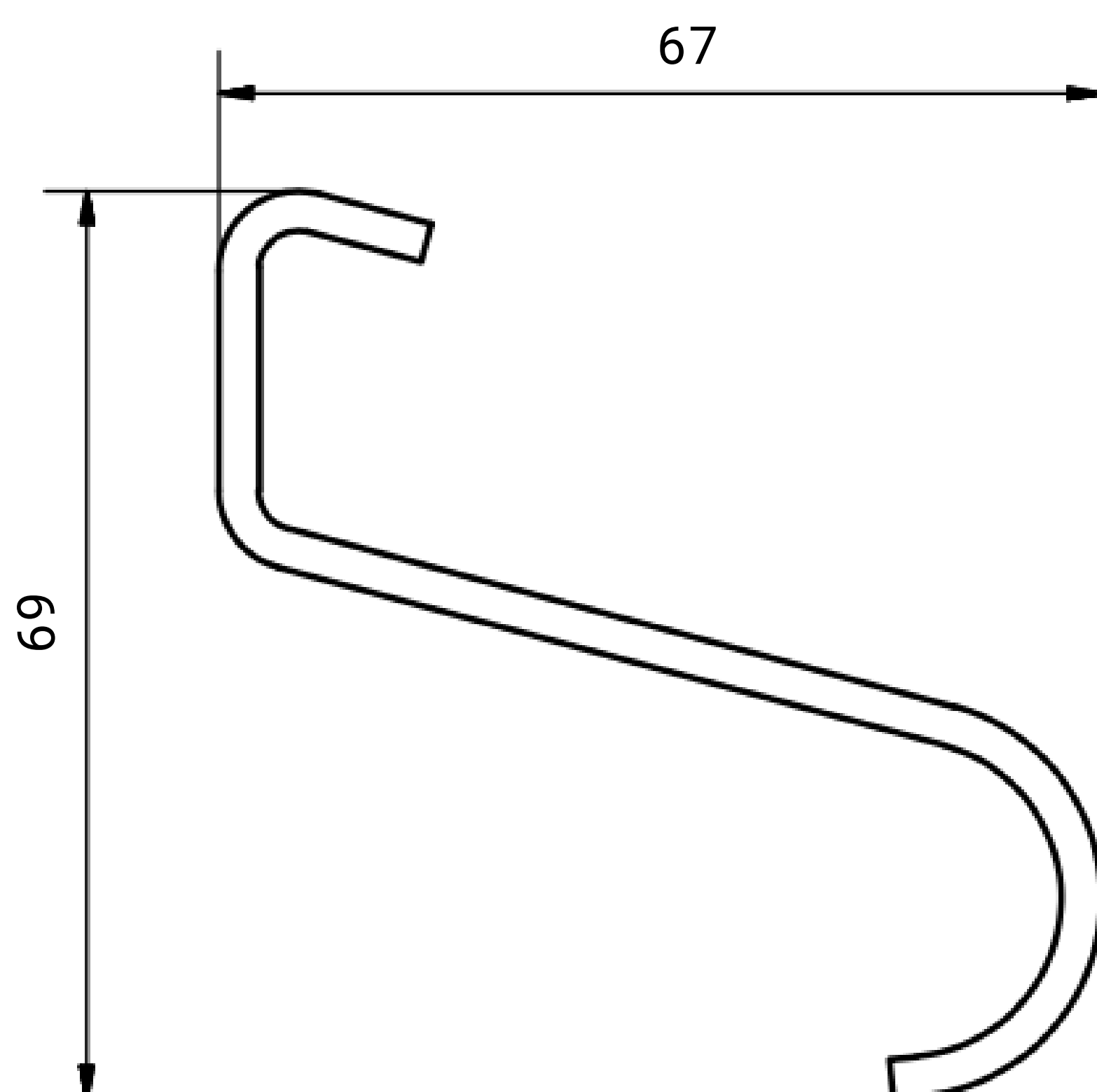


# YACHT SYSTEM LOUVER TYPES **L**

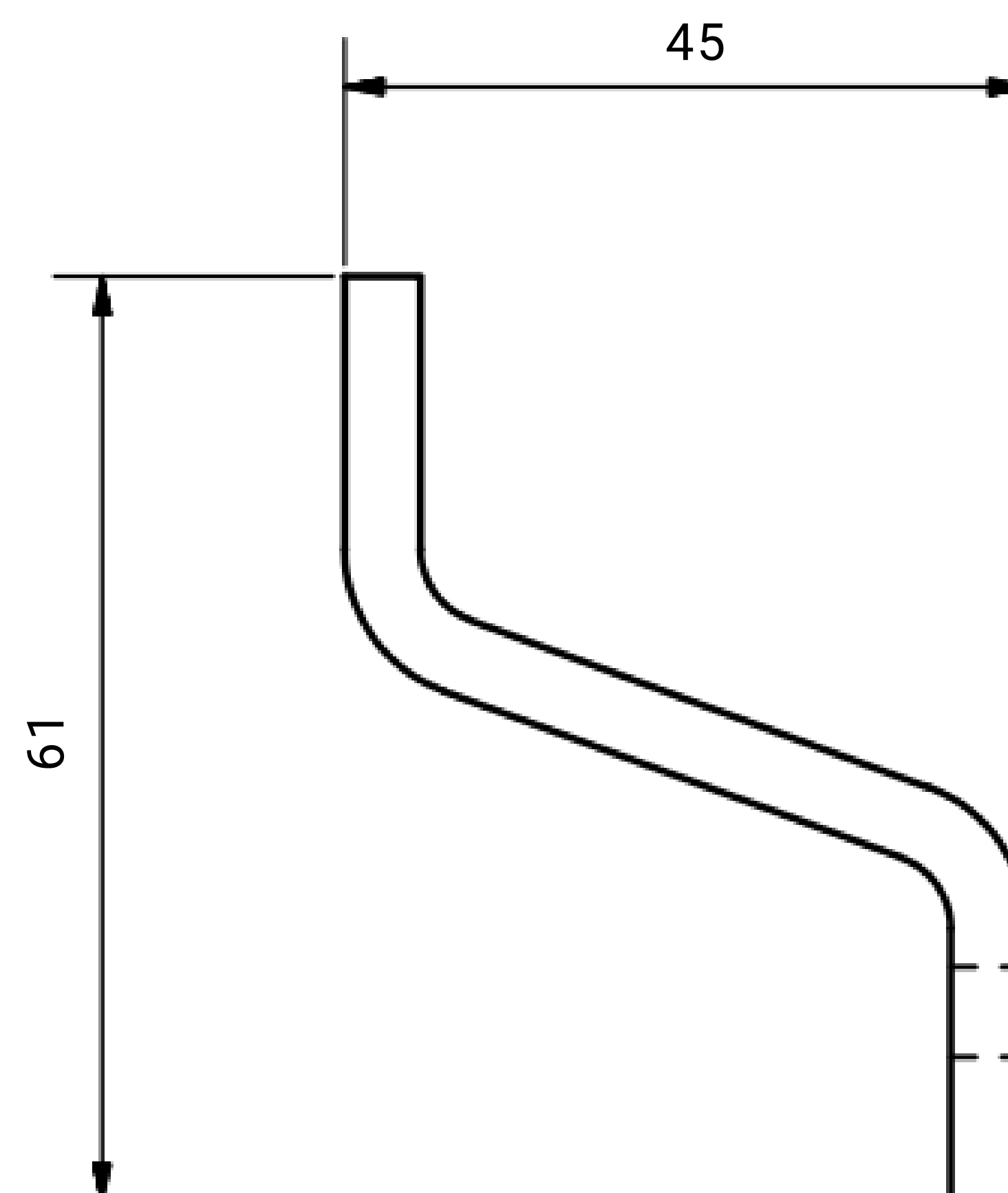
LOUVER **1035**



LOUVER **6769**





LOUVER **4561**



# INQUIRY SHEET

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<b>PROJECT</b>	
<b>FUNCTION</b>	
<b>AMBIENT CONDITIONS</b>	
<b>REMARKS</b>	

POS.	NO.	PRODUCT/CODE	FLOW RATE m <sup>3</sup> /h	WIDTH mm	HEIGHT mm



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