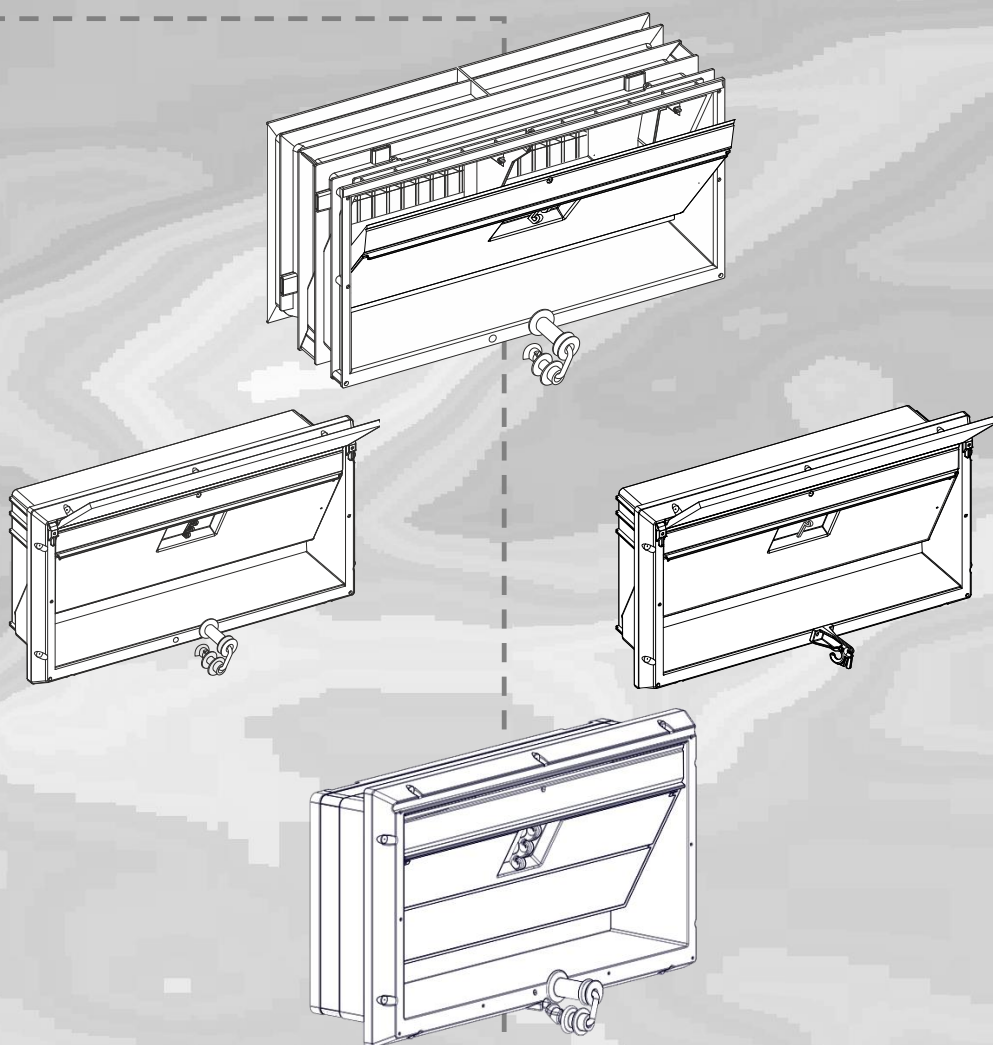


# DA 1200 Series

## Technical Info

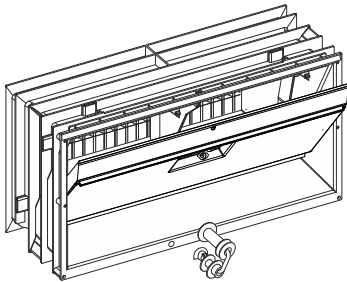


## 1 Product Description

The universal fresh air inlets, primarily for houses, can be fitted in the wall, built into the wall or embedded in wall elements. The inlets are made of 100 % reusable thermoplastic, which is highly impact resistant, form stable and UV stabilised. The open, and smooth design ensures quick and easy cleaning with a high-pressure cleaner etc.

The inlets are supplied with a regulation kit, and the DA 1200 and DA 1211 inlets also include universal AIC, which makes it simple to change the differentiation as required by means of a handle. The flap is secured with a screw to protect the inlets during transport and facilitate mounting.

## 2 Product Survey



### DA 1200 Series

- 433020 DA 1220 wall inlet coarse-mesh**
- 433120 DA 1220 wall inlet fine-meshed**
- 433320 DA 1220 wall inlet without net**
- 433001 DA 1220 wall inlet, transp. without net**

Used for wall dimensions from 20 to 23 cm.

- 433024 DA 1224 wall inlet coarse-mesh**
- 433124 DA 1224 wall inlet fine-meshed**
- 433324 DA 1224 wall inlet without net**
- 433002 DA 1224 wall inlet, transp. without net**

Used for wall dimensions from 24 to 27 cm.

- 433029 DA 1229 wall inlet coarse-mesh**
- 433129 DA 1229 wall inlet fine-meshed**
- 433329 DA 1229 wall inlet without net**
- 433003 DA 1229 wall inlet, transp. without net**

Used for wall dimensions from 28 to 32 cm.

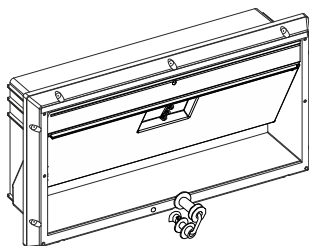
- 433033 DA 1233 wall inlet coarse-mesh**
- 433133 DA 1233 wall inlet fine-meshed**
- 433333 DA 1233 wall inlet without net**
- 433004 DA 1233 wall inlet, transp. without net**

Used for wall dimensions from 33 to 35 cm.

DA 1200 is for building in or casting in prefab elements. The inlet is sufficiently rugged to endure installation directly in the wall without additional support. Furthermore it can be incorporated directly in prefab elements during the casting process. The wall inlet can be assembled from modules in several different ways. The inlet shutter is insulated.

The wall inlet is supplied with regulation set and universal AIC.

## DA 1200 Series

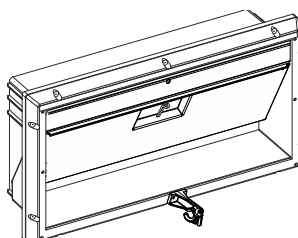


### 433011 DA 1211 flange inlet 11 cm

### 433160 DA 1211 flange inlet with transp. flap

DA 1211 should be chosen for light structures as the inlet is secured to the inner wall with screws through the flange. The inlet can be adapted to all standard wall thicknesses using an extension. The inlet flap is insulated and the springs are made of stainless steel.

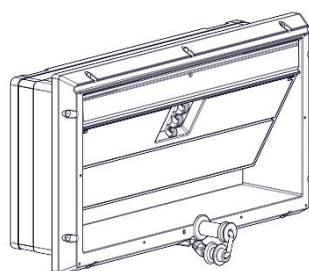
The inlet is supplied with regulation kit and universal AIC.



### 433008 DA 1211B flange inlet 11 cm

DA 1211B should be chosen for light structures as the inlet is secured to the inner wall with screws through the flange. The inlet can be adapted to all standard wall thicknesses using an extension. The inlet flap is not insulated and the springs are electroplated. Universal AIC is not possible for DA 1211B.

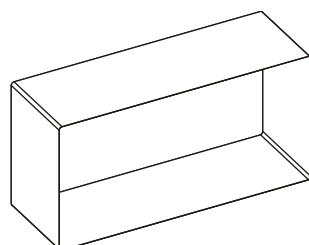
The inlet is supplied with regulation kit.



### 433044 DA 1211 Flange Inlet 11 cm, Anti-freeze

The anti-freeze flange inlet is designed for areas with extremely low outside temperatures. The inlet frame itself is insulated to reduce the formation of ice.

The inlet is supplied with regulation set and universal advanced inlet control.



### 433047 DA 1211 extension duct 20 cm

Used for wall dimensions from 12 to 18 cm.

### 433049 DA 1211 extension duct 30 cm

Used for wall dimensions from 17 to 38 cm.

### 433051 DA 1211 extension duct 40 cm

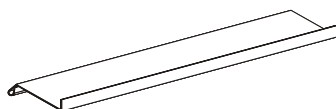
Used for wall dimensions from 22 to 49 cm.

### 433052 DA 1211 extension duct 100 cm

Used for wall dimensions from 50 to 95 cm.

Extension duct is used together with DA 1211 and DA 1211B when the wall thickness exceeds 11cm.

An extension duct can be divided into two pieces if used together with net.

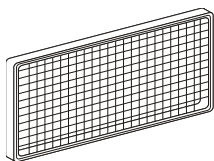


### 433028 DA 1200 drip plate

Used as finish on the outside wall. Prevents rainwater from running down the wall. Adjustable 0-5 cm weatherboard - stainless steel.

1 unit per DA 1200 brick-in inlet.

## DA 1200 Series

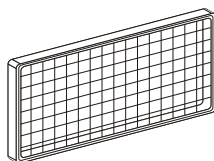


### 433016 DA 1200 net, fine 10x10

Order the net separately for DA 1211/1211B/1211 anti-freeze. A fine net protects against invasion of animals such as mice and rats.

Net size =  $10 \times 10$  mm. The net is self-supporting, but it is recommended to fasten it with screws when used together with an extension duct.

1 unit per inlet.



### 433015 DA 1200 net coarse 65x20

Order the net separately for DA 1211/1211B/1211 anti-freeze.

Net size =  $65 \times 20$  mm. The net is self-supporting, but it is recommended to fasten it with screws when used together with an extension duct.

1 pc per inlet.



### 433022 DA 1200 set w.screws x10 for block

Used for assembly of DA 1200 brick-in inlets where these are to be mounted in blocks. Includes 40 units  $5 \times 45$  mm rustproof screws.

1 set per 10 inlets.



### 433043 DA 1211/1911 screw kit flange, 10/5 set

Used for mounting of DA 1211/1211B/1211 anti-freeze flange inlet. Includes 40 units  $4.8 \times 70$  mm tapping screws.

1 set per 10 inlets.



### 433025 DA 1200/1900 set/screws for net

Used for fastening of net on extension ducts on DA 1211/1211B inlets. Includes 40 units  $5 \times 30$  mm rustproof screws.

1 set per 10 inlets.

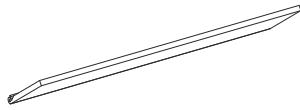


### 433054 DA 1211 kit w.screws x 10 f. ceiling mounting

Used when DA 1211/1211 anti-freeze is used for Combi-diffuse.

1 kit per 10 inlets.

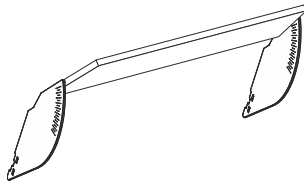
## DA 1200 Series



### 433112 DA 1200 air direction baffle, short

The air direction baffle is 7.5cm long. An air direction baffle (short/long) is always used for adjusting the air jet in cold weather, and to prevent Coanda-effect along the wall. The baffle is used on all inlets. However, with two rows of inlets, it is only necessary with a baffle on the upper row, provided the inlets are placed right above each other.

1 unit per inlet or 1 unit per every second inlet.



### 433114 DA 1200 air direction baffle, long w. side pl.

The air direction baffle is 15 cm long and with side plates. An air direction baffle (short/long) is always used for adjusting the air jet in cold weather, and to prevent Coanda-effect along the wall. The baffle is used on all inlets. However, with two rows of inlets, it is only necessary with a baffle on the upper row, provided the inlets are placed right above each other.

The long air direction baffle is used where the air jet range and the Coanda-effect are especially important, e.g. in wide houses.

1 unit per inlet or 1 unit per every second inlet.



### 433014 DA 1200 baffle plate

For reduction of external actions on the DA 1200 or DA1211/1211B/1211 anti-freeze baffle plates are used when one or more of the following conditions are current:

- The volume of the house is low (narrow and low with a flat ceiling)
- In detached buildings without shelter belts and the like

The baffle plate must be mounted on all inlets in the same room.

The baffle plate is not used together with Advanced Inlet Control.

The baffle plate increases the requirements to the tightness of the building.

The baffle plate cannot replace external windshield.

1 unit per inlet.

## DA 1200 Series



### 560195 DA 1200 operation set w. long U-shackle

Used where there are obstacles to the free movement of the pull rod in the shape of disproportionate walls, steel rafters etc., which project up to 70mm. The present differentiation system cannot be used together with the set, for which reason an extra line with spring is supplied to absorb slack. This way, differentiation can be made.

The inlet flap is not to open more than to horizontal position, as the winch motor may otherwise be overloaded.

1 unit per inlet.

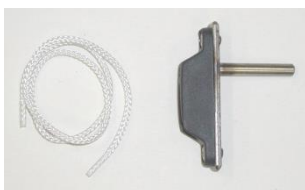


### 433039 DA 1200 extension rod 240 mm

### S433037B DA 1200 extension rod 400mm

Used where there are obstacles to the free movement of the pull rod, which project more than 70mm from the wall. When the extension rod is used, the pull rod lies 240/400 mm from the wall, thus avoiding rafters, concrete poles and other obstacles.

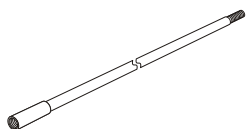
1 unit per inlet.



### 401902 DA 1000/1200 single operation set

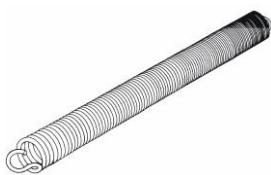
When individual operation of each wall inlet is needed, the DA 1200 single regulation set is mounted.

1 unit per inlet.



### 413109 Pull rod M8x5500mm galv

One row of pull rods for each row of inlets is preferable, and therefore the use of 433021 must be considered a cheaper alternative.



### 415033 Coil spring Ø30 x 300 mm stainless

Is used if it is necessary to establish back-pull on the pull rod opposite the winch motor.

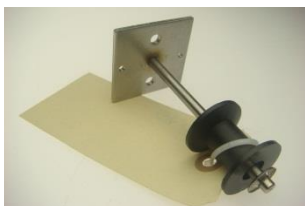


### 401935 Carrier roller f. pull rod, built-in inlet

Is used for built-in inlets.

If there are more than approx. 2 m between the inlets, the pull rod will bend downwards causing inaccuracy if carrying pulleys are not used.

1 unit by every 2 m free hanging pull rod.



### 415075 Pulley f. pull rod, flange inlet

Is used for flange inlets.

If there are more than approx. 2 m between the inlets, the pull rod will bend downwards causing inaccuracy if carrying pulleys are not used.



## DA 1200 Series

1 unit by every 2 m free hanging pull rod.



### 433021 DA 1200 regulation set for 2 inlets

DA 1200 regulation set for two inlets in different heights.

One row of pull rods for each row of inlets is preferable, and therefore the use of 433021 must be considered a cheaper alternative.

1 unit per inlet in the upper row.



### 413214 LPV door set for pull rod 8mm

If there are doors etc. in the wall where the inlets are mounted, and you want to disconnect the pull rod temporarily, there is a special set that contains the necessary parts. The set makes it possible to maintain the correct ventilation level manually and to reassemble the pull rod easily.

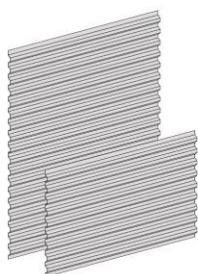
1 unit per door.



### 413223 Door set for wire

The mounting set is used if the pull rod is led round a door.

1 unit per door.



### 401280 Wind shield f. inlet, 1 row

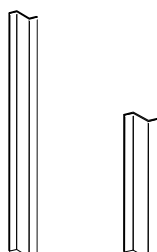
Wind screen for inlet, one row, red, 550 mm high.

### 401281 Wind shield f. inlet, 2 rows

Wind shield for inlet, two rows, red, 1100mm high.

Windscreen is used if the house is exposed to wind or if unwanted light can enter the house and create commotion. The windscreen is grey on the inside and red on the outside. If another colour is required, this must be specified on the order and will be supplied at an additional charge.

Is ordered per meter. Max. wind shield length is 6m.



### 401282 Wind shield fitting f. 1 row

Wind and light shield fitting 550 mm.

### 401283 Wind shield fitting f. 2 rows

Wind and light shield fitting 1100mm.

Screws and rawlplugs for mounting of the fitting and self-cutting screws for mounting of the windshield are included in the delivery of each fitting. The fitting provides a distance to the wall of 150 mm.

1 unit per running two metres.

## DA 1200 Series



### 433064 DA 1200 light trap complete

Used for DA 1200 brick-in inlet if light dimming is required.

The light trap light-tightness is 99.9 %, corresponding to 20,000 lux outside and 0.05 lux inside (0.05 lux corresponds to 2.5 ppm).

1 unit per inlet.



### 433065 DA 1211 light trap complete

Used for DA 1211/1211B/1211 anti-freeze flange inlet if light dimming is required.

The light-tightness of the light trap is 99.9 %, corresponding to 20,000 lux outside and 0.05 lux inside (0.05 lux corresponds to 2.5 ppm).

1 unit per inlet.



### 433067 DA 1200 outside flange

The flange is included in article no. 433064, but it can also be mounted on the outside of houses with DA 1211/1211B inlets in order to

- Increase the output to the same level as DA 1200. Correct the number of inlets.
- Make a nicer finish on the outside of the building. The net can be mounted on the flange afterwards.
- Give a broader flashing than 433281

433067 can be used when the distance between the inlets, when placed side by side, exceeds 5 cm.

1 unit per inlet.



### 433281 DA 1211 outside flange

The flange is included in article no. 433065, but it can also be mounted on the outside of houses with DA 1211/1211B/1211 anti-freeze flange inlets in order to

- Increase the output to the same level as DA 1200. Correct the number of inlets.
- Make a nicer finish on the outside of the building. The net can be mounted on the flange afterwards.

433281 can (contrary to 433067) be used when the distance between the inlets, when placed side by side, is 5 cm or less.

1 unit per inlet.



## DA 1200 Series



### 433066 DA 1200 light trap without flange

Used for retrofitting on DA 1200/1211/1211B/1211 anti-freeze when the flange is already on the building and light dimming is required.

The light-tightness of the light trap is 99.9 %, corresponding to 20,000 lux outside and 0.05 lux inside (0.05 lux corresponds to 2.5 ppm).

1 unit per inlet.



### 433056 DA 1211 inlet sleeve, SKOV

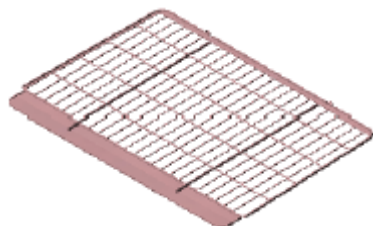
DA 1211 inlet sleeve is used for light wall constructions together with DA 1211 flange inlet. Application of the inlet sleeve provides a waterproof mounting with a good finish.

The inlet sleeve is designed to prevent drift snow from entering by the inlet and to moderate the wind impact on the capacity of the inlets. Furthermore, the inlet sleeve has a light dimming effect.

The output of the DA 1211 wall inlet is unchanged when the inlet sleeve is mounted.

The inlet sleeve can be used together with 433281.

1 unit per inlet.



### 433058 DA 1211 net for inlet sleeve

The net is used together with 433056 DA 1211 inlet sleeve so that birds are prevented from entering the livestock house.

When the net is mounted on the inlet sleeve, the output of the air intake is reduced ( $\text{m}^3/\text{h}$ ) by approx. 4% at unchanged pressure.

1 unit per DA 1211 inlet sleeve.



### 433155 DA 1200 inlet cover

DA 1200 inlet cover can be used together with the inlets of the DA 1200 series.

The inlet cover is designed to protect the livestock house against rain/snow and to provide a certain amount of wind and light dimming effect.

The output can be dimensioned to  $1000 \text{ m}^3/\text{h}$  at 10 Pa and at a wall thickness of 10cm or more regardless of the type of wall inlet.

1 unit per inlet.



### 433312 DA 1200 light trap for inlet cover

DA 1200 light trap for inlet cover is always used with the DA 1200 inlet cover.

The light trap prevents a great deal of the sunlight from penetrating into the building. The light trap is made of injection-moulded PP (polypropylene) which is dirt-repellent and easy to clean.

1 unit per DA 1200 inlet cover.

### 3 Technical Data

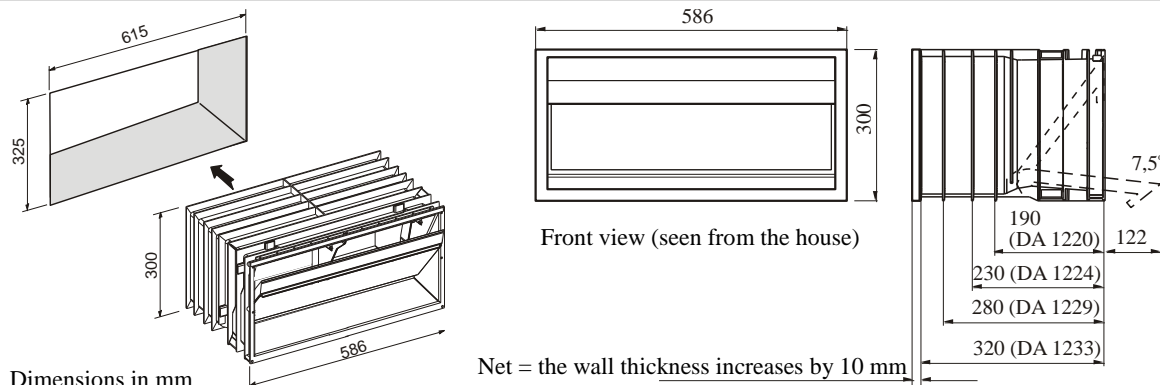
DA 1200 Series			
	DA 1200	DA 1211	DA 1211B
Output			
Output at 10 Pa	With extension duct and/or outside flange and coarse mesh 1200 m³/h		
	With extension duct and/or outside flange and fine mesh 1075 m³/h		
	With extension duct and/or outside flange, light trap and coarse mesh 920 m³/h		
	With extension duct and/or outside flange, light trap and fine mesh 870 m³/h		
	-	Without extension duct or outside flange and coarse mesh 1000 m³/h	
	-	Without extension duct or outside flange and fine mesh 900 m³/h	
Mechanical Design			
Material	100% recyclable thermoplastic, high-impact material, dimensionally stable and UV stabilized		
Springs	Stainless steel	Stainless steel	Galvanized
Colour – inlet frame	Graphite grey	Graphite grey	Graphite grey
Colour – inlet shutter	Blue	Blue	White
Colour – light trap	Black	Black	-
Colour – inlet sleeve	-	Black	-
Mesh opening	Coarse mesh: 65 × 20mm Fine mesh: 10 × 10mm	Coarse mesh: 65 × 20mm Fine mesh: 10 × 10mm	Coarse mesh: 65 × 20mm Fine mesh: 10 × 10mm
Tractive force	28 N	28 N	20 N
Tractive force w. air damper plate	44 N	44 N	32 N
Pulling length	390mm	390mm	390mm
Environment			
Ambient temperature, operation	-40 to +40 °C (-40 to +104 °F)		
Ambient temperature, storage	-40 to +65°C (-40 to +149°F) - and protected against direct solar radiation.		
Ambient humidity, operation	0-95% RH		
Shipping			
Objective L × H × W	588 × 300 × wall thickness (mm)	550 × 260 × 110 + extension duct (mm)	550 × 260 × 110 + extension duct (mm)
Weight Wall inlet	See below	3.2 kg	3.2 kg
Coarse/fine mesh	See below	0.2 kg	0.2 kg
Extension duct 20 cm	-	0.4 kg	0.4 kg
Extension duct 30 cm	-	0.6 kg	0.6 kg
Extension duct 40 cm	-	0.8 kg	0.8 kg
Extension duct 100 cm	-	2.0 kg	2.0 kg
DA 1220 wall inlet incl. mesh	3.8 kg	-	-
DA 1224 wall inlet incl. mesh	4.2 kg	-	-
DA 1229 wall inlet incl. mesh	4.7 kg	-	-
DA 1233 wall inlet incl. mesh	5.0 kg	-	-
Light trap complete	6.0 kg	6.0 kg	-
Light trap outside flange	1.5 kg	1.5 kg	-

DA 1200 Series			
	DA 1200	DA 1211	DA 1211B
Light trap without flange	4.5 kg	-	-
Inlet sleeve	-	3.8 kg	-
Number of inlets per pallet	-	72 pcs.	72 pcs.
DA 1220 wall inlet incl. mesh	60 pcs.	-	-
DA 1224 wall inlet incl. mesh	54 pcs.	-	-
DA 1229 wall inlet incl. mesh	42 pcs.	-	-
DA 1233 wall inlet incl. mesh	36 pcs.	-	-
Light trap and flange	The light trap and the flange are supplied on separate pallets. The light trap is stacked in 7 layers with 4 pcs. in each layer, total height approx. 223cm.		

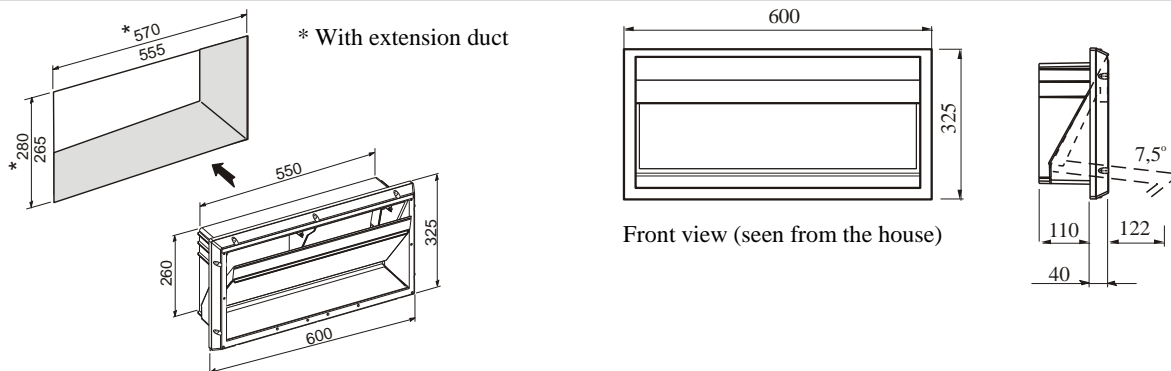
	DA 1211 Anti-freeze	
Output		
Air output at 10 Pa [m³/h]	Incl. outside flange and coarse mesh	1200
	Incl. outside flange and fine mesh	1075
	Incl. outside flange, light trap and coarse mesh	920
	Incl. outside flange, light trap and fine mesh	870
	Excl. flange and coarse mesh	1000
	Excl. outside flange and fine mesh	900
Mechanical Setup		
Material	100% recyclable thermoplastic, high-impact material, dimensionally stable and UV stabilized	
Springs	Stainless steel	
Colour - inlet casing	Graphite grey	
Colour - inlet flap	Blue	
Colour - light trap	Black	
Colour - sleeve	Black	
Mesh size [mm]	Coarse mesh: 65 × 20 Fine mesh: 10 × 10	
Tensile force [N]	28	
Tensile force with baffle plate [N]	44	
Tensile length [mm]	390	
Environment		
Ambient temperature, operation [°C]	-40 to +40	
Ambient temperature, storage [°C]	-40 to +65°C - and protected against direct solar radiation.	
Ambient humidity, operation [% RH]	0-95	
Shipment		
Dimensions L x H x W [mm]	600 × 325 × 110	
Weight wall inlet [kg]	3.2	
Weight coarse/fine mesh [kg]	0.2	
Weight light trap complete [kg]	6.0	
Weight light trap outside flange [kg]	1.5	
Weight sleeve [kg]	3.8	
Number of inlets per pallet [pcs.]	72	

### 3.1 Dimensioned Sketch

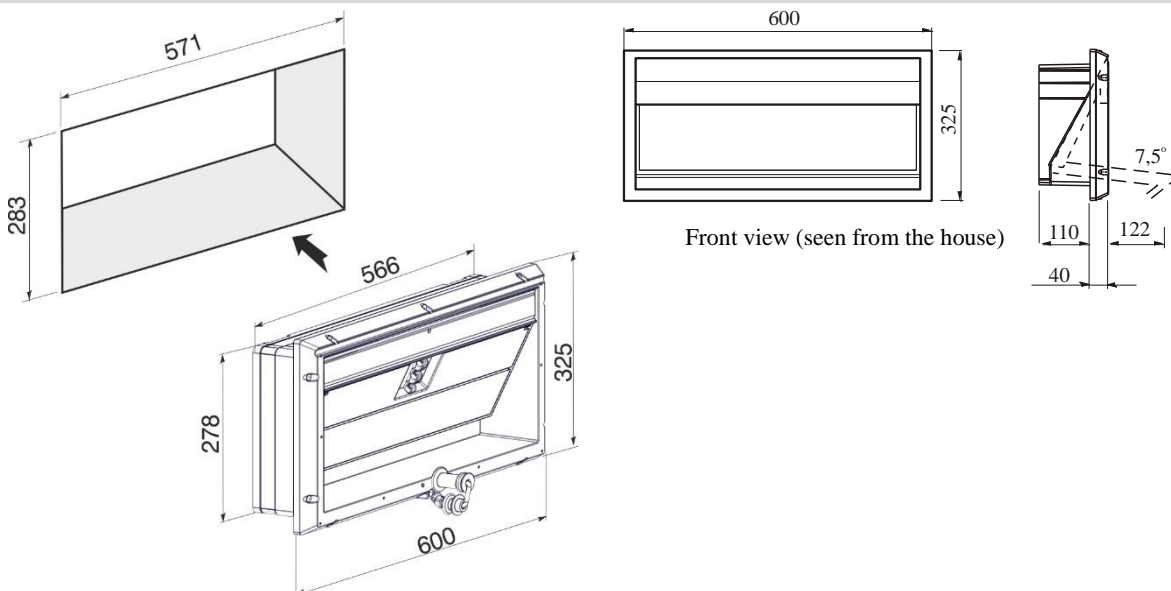
#### DA 1200

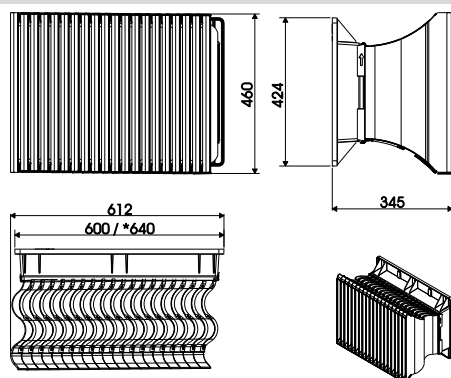


#### DA 1211/DA 1211B

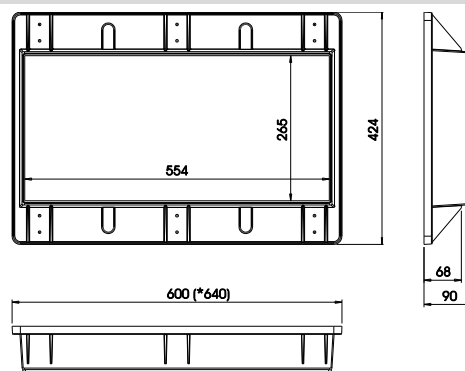


#### DA 1211 Anti-freeze

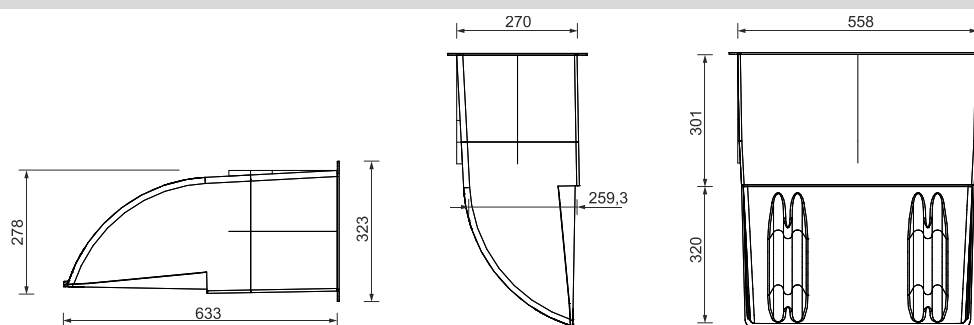
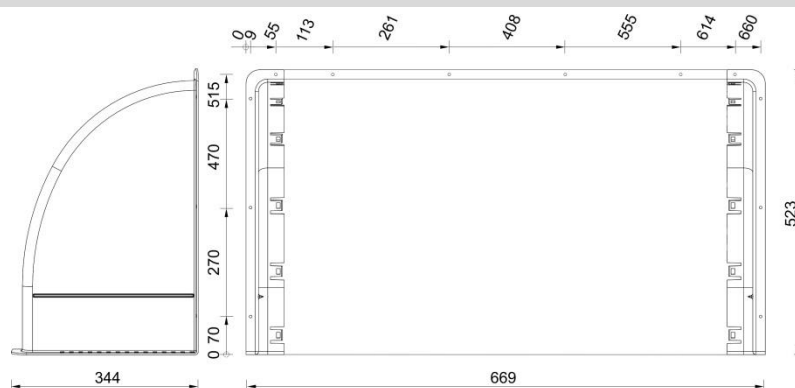


**DA 1200/DA 1211 light trap complete**

\* The measurement is 640 mm on item no. 433064.

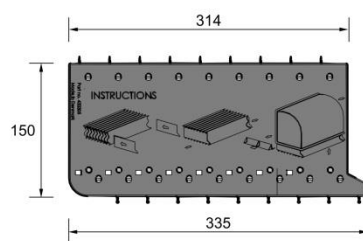
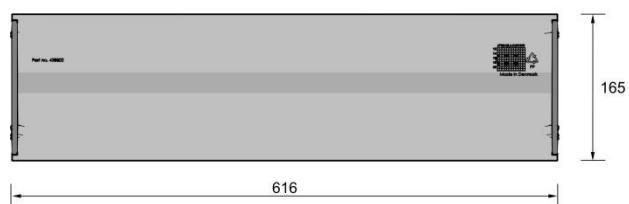
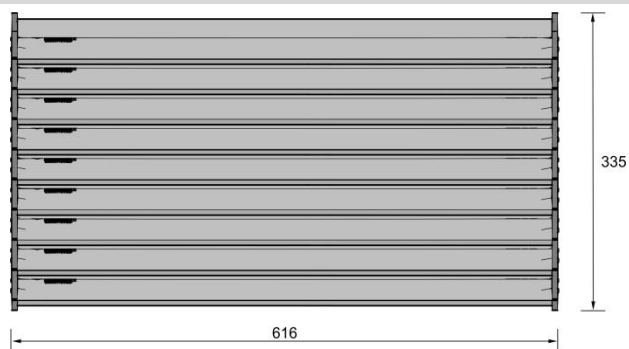
**DA 1200/DA 1211 outside flange**

\* The measurement is 640 mm on item no. 433067.

**DA 1211 inlet sleeve****DA 1200 inlet cover**



DA 1200 light trap for inlet cover





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