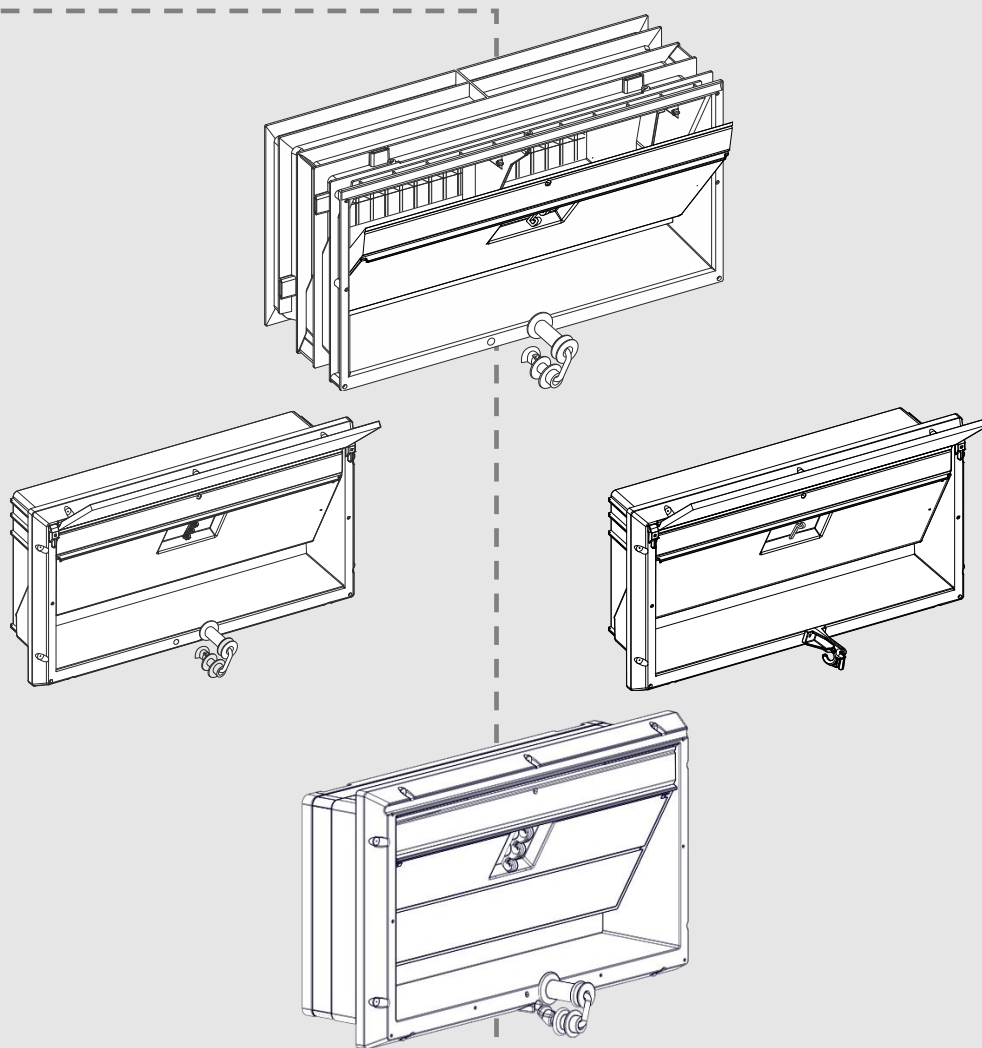


# DA 1200 Series

## Technical Info



**English:** For other language variants of this document we refer to:

**Español:** Para otras variantes del idioma de este documento, visite:

**Français:** Pour les versions dans d'autres langues de ce document veuillez consulter:

<http://docs.skov.com/1020>



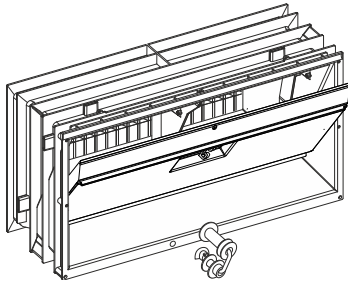
## 1 Product description

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**

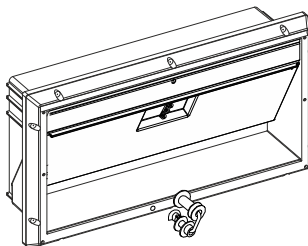
Used for wall dimensions from 28 to 32 cm.

- 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.

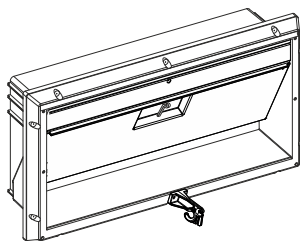


- 433011 DA 1211 flange inlet 11 cm**
- 433160 DA 1211 flange inlet with transp. flap**

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.

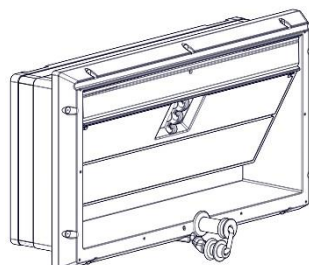
## DA 1200 Series



### 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.

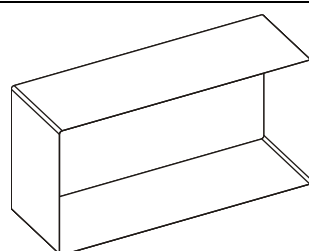
The inlet is supplied with regulation kit.



### 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

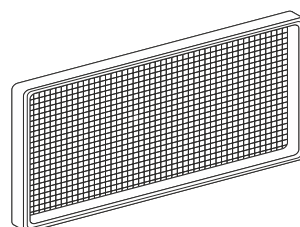
Used for wall dimensions from 22 to 49 cm.

### 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.



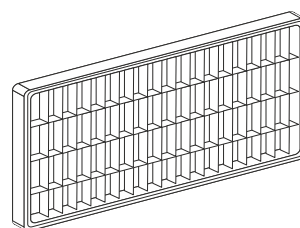
### 433016 DA 1200 net, fine 10x10

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 × 10 mm. The net is self-supporting, but it is recommended to fasten it with screws when used together with an extension duct.

Fine net reduces inlet capacity by approx. 10 %.

1 unit per inlet.



### 433015 DA 1200 net coarse 65x20

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

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

Coarse net does not reduce the inlet capacity.

1 pc per inlet.



### 433117 DA 1211/1911 net holder set for 25 inlets

The inlet net holder is used to mount the net (433016 and 433015) when mounting on the outer wall instead of directly on the inlet, for example if window openings are deep.

Includes 100 holders.

1 set per 25 inlets.

## DA 1200 Series



### 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 × 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 × 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 × 30 mm rustproof screws.

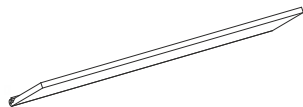
1 set per 10 inlets.



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

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

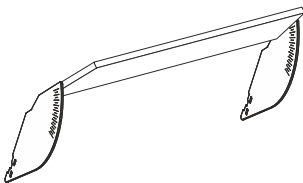
1 kit per 10 inlets.



### 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.

## DA 1200 Series



### 433014 DA 1200 baffle plate

For reduction of external actions on the DA 1200 or DA1211/1211B anti-freeze/1211B 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 and are not to be used together with Advanced Inlet Control.

The baffle plate increases the requirements to the tightness of the building and cannot replace external windshield.

The baffle plate does not reduce the inlet capacity.

1 unit per inlet.



### 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.

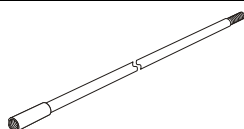
1 unit per inlet.



### 401902 DA 1000/1200 single operation set

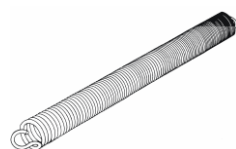
When individual operation of each wall inlet is needed, the DA 1200 single regulation set is mounted.

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.



## DA 1200 Series



### 401349 All-purpose holder for pull rod

Is used for flange inlets and built-in inlets.

If there are more than approx. 2 m between the inlets, the pull rod will bend downwards causing inaccuracy if all-purpose holders are not used.

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.



### 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.

## DA 1200 Series



### 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.



### 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

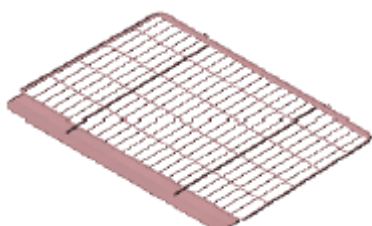
DA 1211 inlet sleeve is used for light wall constructions together with DA 1211 flange inlet. Application of the inlet sleeve provides a waterproof mounting with a good finish.

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 (m<sup>3</sup>/h) by approx. 4% at unchanged pressure.

1 unit per DA 1211 inlet sleeve.



## DA 1200 Series



### 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.



### 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.



### 433334 DA 1200 fly screen

DA 1200 fly screen for inlet cover is always used together with DA 1200 inlet cover.

The fly screen prevents the ingress of flies and the DA 1200 fly screen is self-supporting.

Can only be used for inlets in one row.

With regular and sufficient cleaning, the capacity of the inlet is not reduced by the use of the fly screen.

1 unit per inlet.



### 433317 Fly screen - 25 m x 1.37 m

Fly screen on a roll prevents the ingress of flies.

With regular and sufficient cleaning there will be no significant pressure loss, but an emergency opening should be provided via by pass in case the fly screen is choked.

Use 1 m<sup>2</sup> fly screen per 2000 m<sup>3</sup>/h max. air.



### 433138 DA 1200 hen net, hinged

The hen net prevents the fledged hens from sitting in the air inlet. The net is top-hinged, allowing easy access when servicing the inlet.

The screw kit (560333) must be ordered separately.



### 560333 Screw kit DA 1200/1911 hen net

The screw kit is used to assemble the hen net.

One set per bird net.

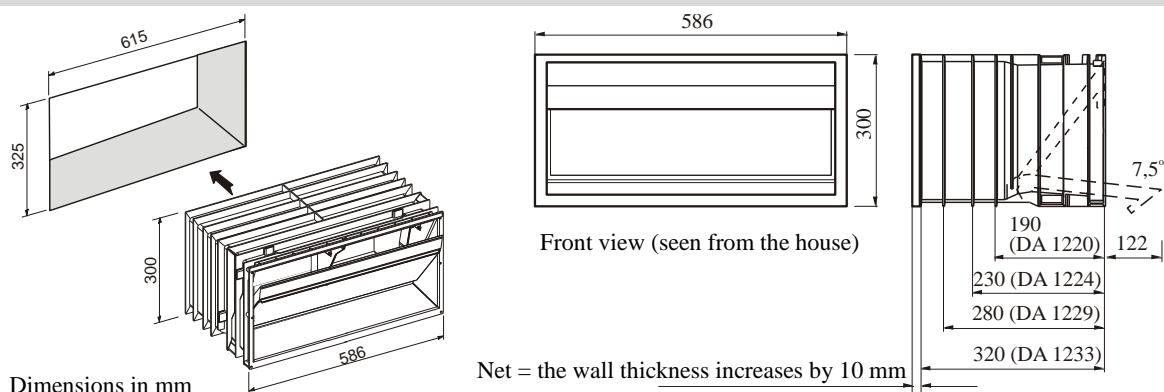
### 3 Technical data

DA 1200 series							
	DA 1200	DA 1211/DA 1211 anti-freeze			DA 1211B		
Output at 10 Pa		Wall thickness [cm]			Wall thickness [cm]		
		< 10	10-20	>20	< 10	10-20	>20
No attachments [m³/h]	1300	1100	1150	1300	1100	1150	1300
Inlet cover [m³/h]	1100	900	1000	1100	900	1000	1100
Inlet cover + light trap [m³/h]	1050	800	900	1050	800	900	1050
Light trap [m³/h]	1000	1000	950	1000	1000	950	1000
Mechanical							
Material	100% recyclable thermoplastic, high-impact material, dimensionally stable and UV stabilized						
Springs	Stainless steel	Stainless steel			Galvanized		
Color – inlet frame	Graphite gray	Graphite gray			Graphite gray		
Color – inlet flap	Blue	Blue			White		
Color – light trap	Black	Black			-		
Color – inlet sleeve	-	Sort			-		
Net opening							
Coarse net [mm]	65 × 20	65 × 20			65 × 20		
Fine net [mm]	10 × 10	10 × 10			10 × 10		
Tensile force [N]	28	28			20		
Tensile force with baffle plate [N]	44	44			32		
Tensile length [mm]	390	390			390		
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 [% RH]	0-95						
Shipping							
Dimensions L × H × B [mm]	588 × 300 × wall thickness	(DA 1211) 550 × 260 × 110 + extension duct (DA 1211 anti-freeze) 600 × 325 × 110 + extension duct			550 × 260 × 110 + extension duct		
Weight							
Wall inlet [kg]	See below	3.2			3.2		
Coarse/fine net [kg]	See below	0.2			0.2		
Extension duct 20 cm [kg]	-	0.4			0.4		
Extension duct 30 cm [kg]	-	0.6			0.6		
Extension duct 40 cm [kg]	-	0.8			0.8		
Extension duct 100 cm [kg]	-	2.0			2.0		
DA 1220 wall inlet incl. net [kg]	3.8	-			-		
DA 1224 wall inlet incl. net [kg]	4.2	-			-		
DA 1229 wall inlet incl. net [kg]	4.7	-			-		
DA 1233 wall inlet incl. net [kg]	5.0	-			-		
Light trap complete [kg]	6.0	6.0			-		
Light trap outside flange [kg]	1.5	1.5			-		

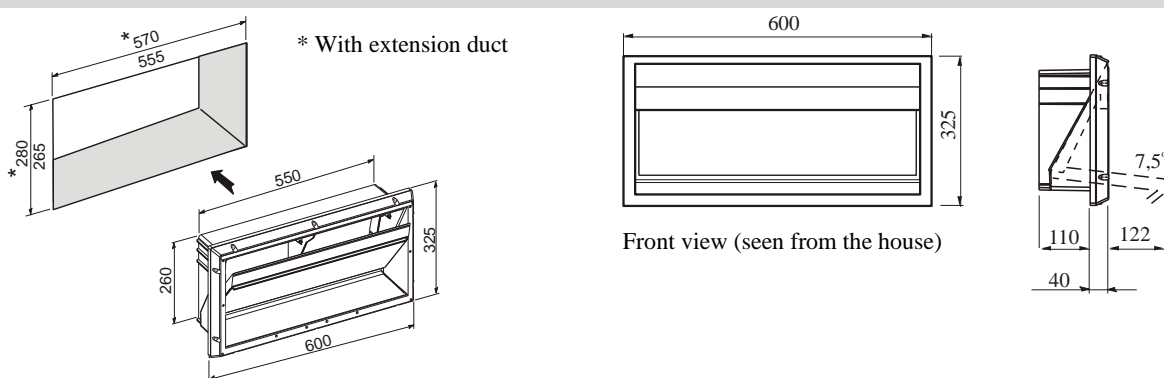
DA 1200 series			
	DA 1200	DA 1211/DA 1211 anti-freeze	DA 1211B
Light trap without flange [kg]	4.5	-	-
Inlet sleeve [kg]	-	3.8	-
Number of inlets per pallet [pcs.]	-	72	72
DA 1220 wall inlet incl. net [pcs.]	60	-	-
DA 1224 wall inlet incl. net [pcs.]	54	-	-
DA 1229 wall inlet incl. net [pcs.]	42	-	-
DA 1233 wall inlet incl. net [pcs.]	36	-	-
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. 223 cm.		

### 3.1 Dimensioned sketch

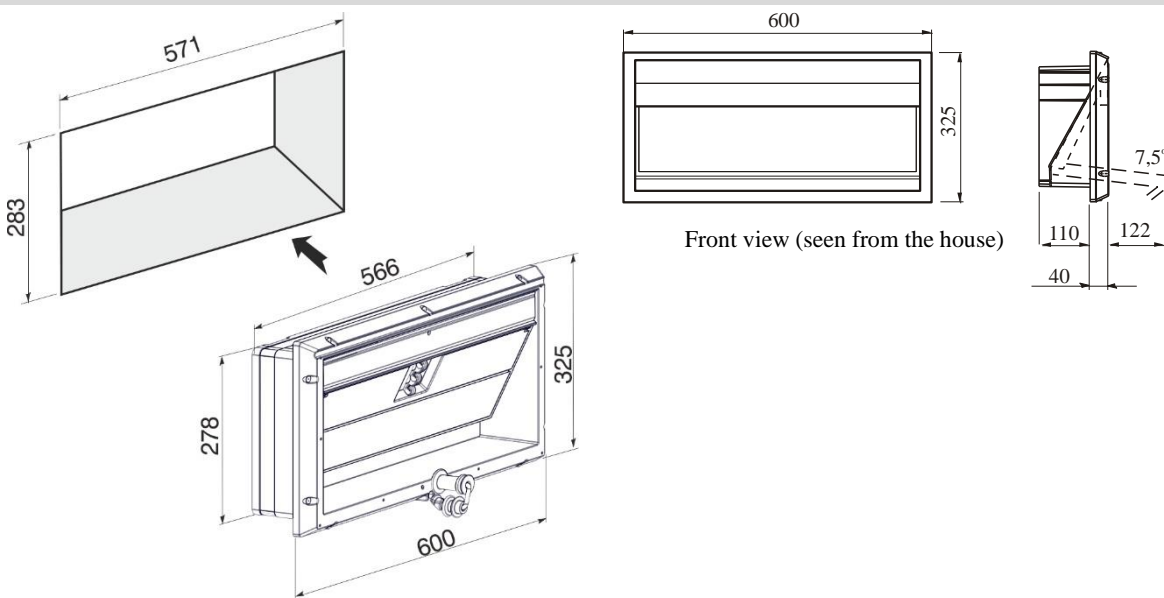
#### DA 1200



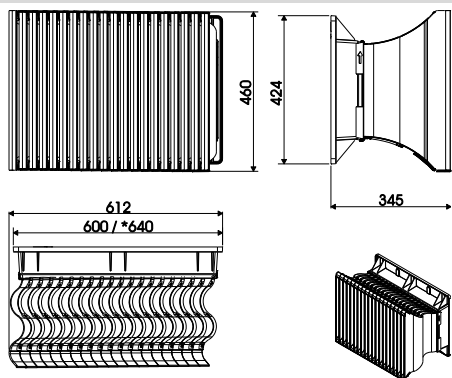
#### DA 1211/DA 1211B



#### DA 1211 Anti-freeze

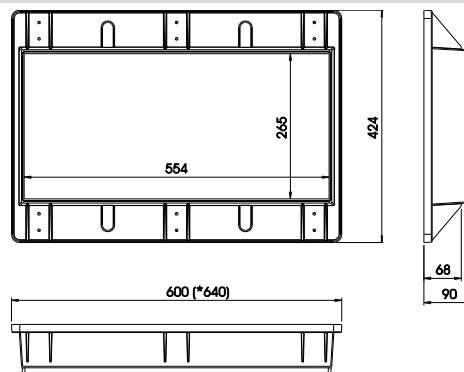


**DA 1200/DA 1211 light trap complete**



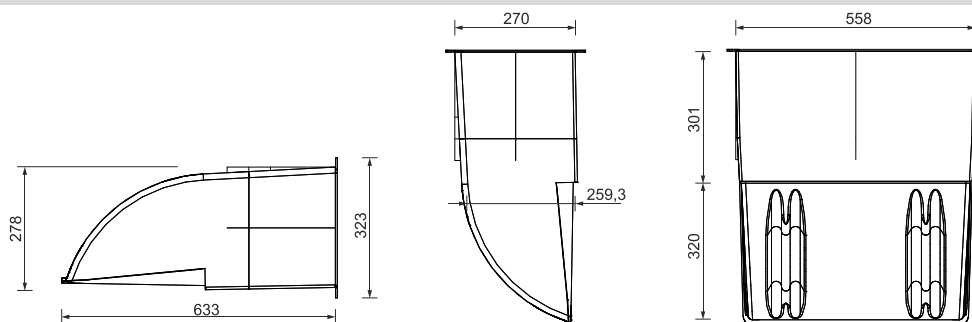
\* The measurement is 640 mm on item no. 433064.

**DA 1200/DA 1211 outside flange**

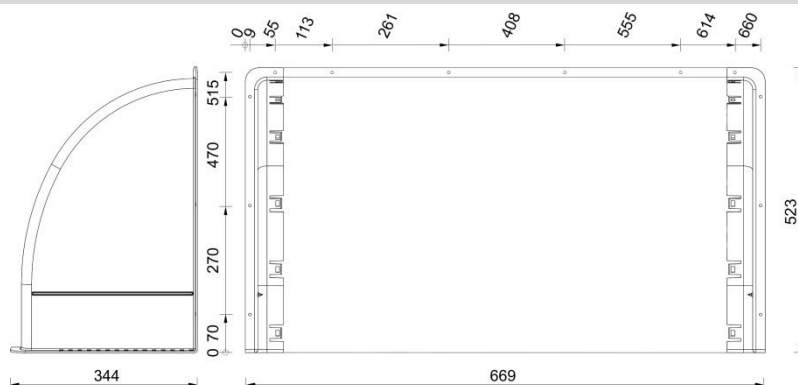


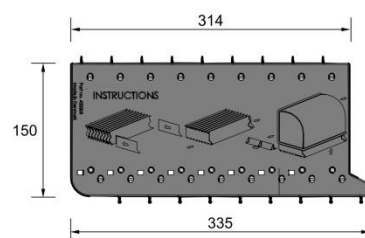
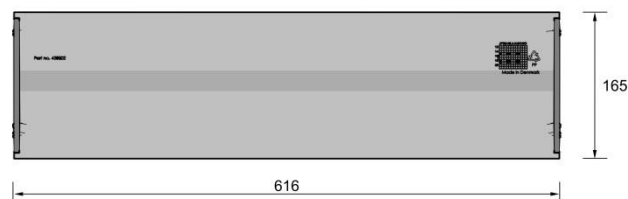
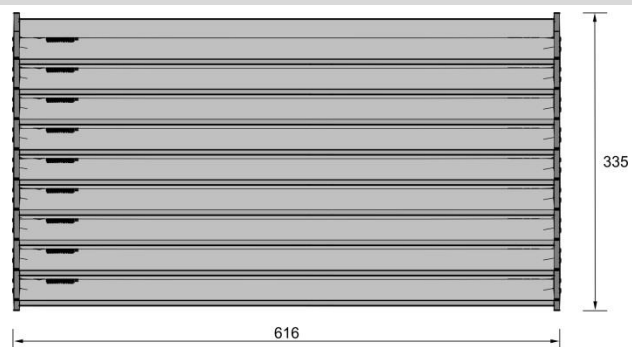
\* The measurement is 640 mm on item no. 433067.

**DA 1211 inlet sleeve**



**DA 1200 inlet cover**



**DA 1200 light trap for inlet cover****DA 1200 fly screen for inlet cover**