



# User manual

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## Wall outlet Maxi

# Wall Outlet Maxi

It is important to read this manual carefully to ensure the operation and service life of the pool equipment. Pahlén AB is not responsible for product warranty or damage caused by improper installation, handling errors or maintenance.

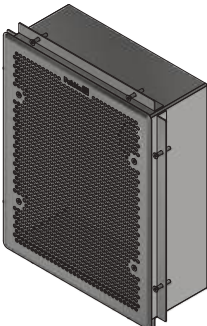


## Product description

Wall outlet Maxi is a product for installation in pool walls. It can be used with Jet Swim Athlete, waterfalls and similar products. It must be installed where it is not exposed to a risk of freezing.

## Technical Data

Max capacity flow	68m <sup>3</sup> /h
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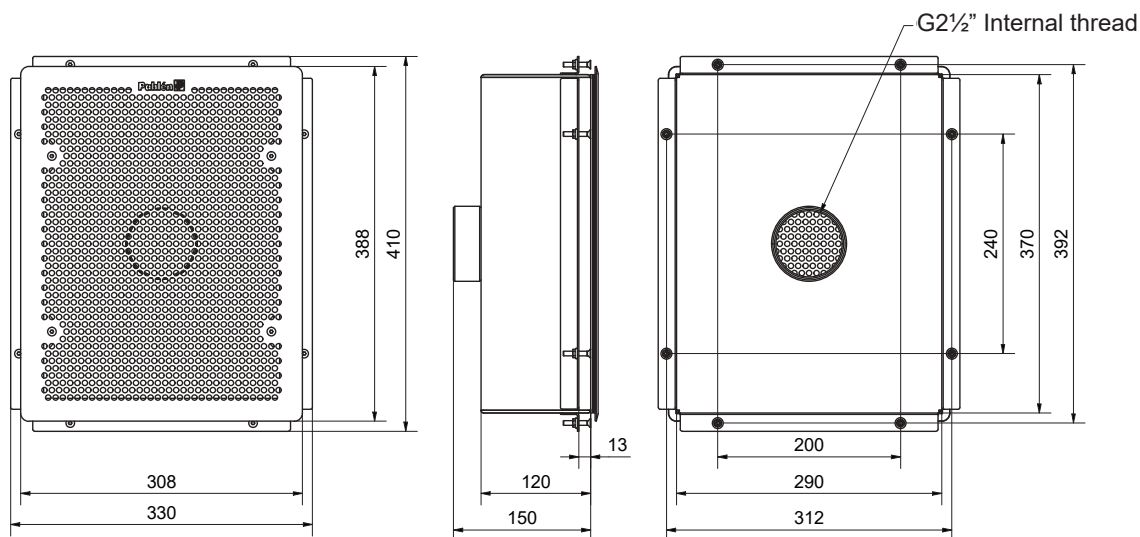
### Wall outlet Maxi parts:

Main element	Mounting tube (for thick pool wall)	Accessories Brackets for embedding
 1302140	 1302145	 112900

## Safety

Wall outlet Maxi must always be mounted in pairs, with a distance of 2 metres between them for safety reasons.

## Dimensions



### The product is intended for the following water values:

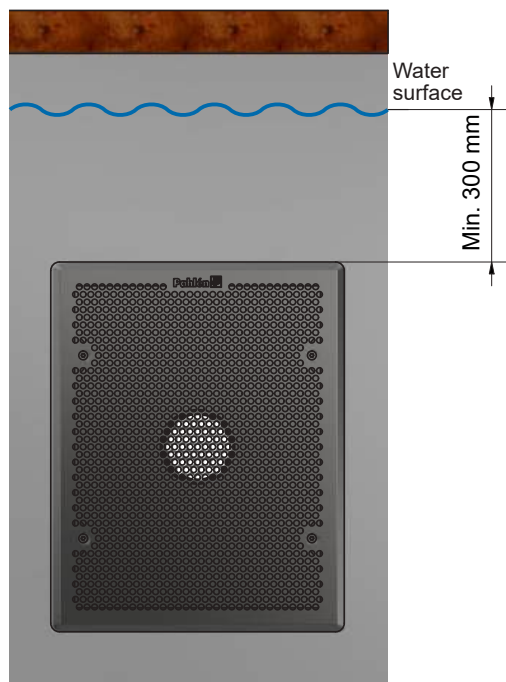
Total chlorine content:	max 3.5 mg/liter*	Iron:	max 0.1 mg/liter*
Chloride (salt) content:	max 250 mg/liter	Copper:	max 0.2 mg/liter*
pH-value:	7.2–7.6	Manganese:	max 0.05 mg/liter*
Alkalinity	60–120 mg/liter (ppm)	Phosphorus:	max 0.01 mg/liter*
Calcium hardness:	100–300 mg/liter (ppm)	Nitrate:	max 50 mg/liter*

Outside these values, the product warranty does not apply.

\* According to EN16713-3 2016

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## Installation



All stainless steel parts must be installed with tools intended solely for this material to maintain corrosion resistance.

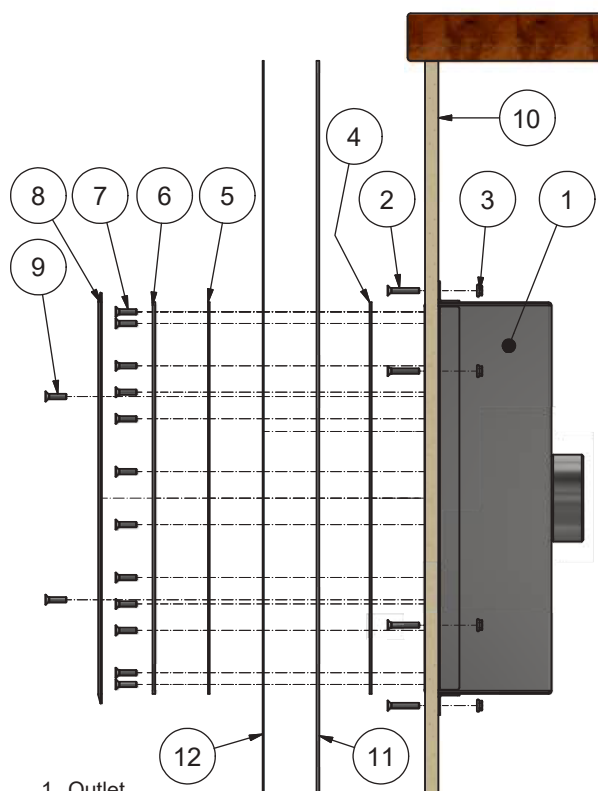
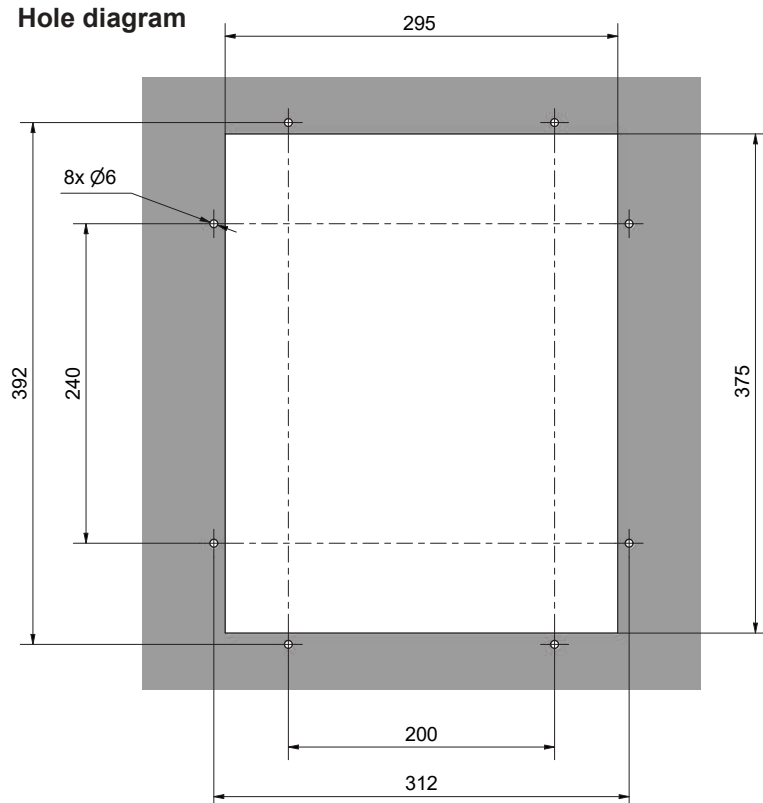
All screws should be lubricated with Molykote® (supplied).

### 1. Installation for thin pool wall with liner

(wood, sheet metal, plastic, etc.)

1. Cut a hole (about 295x375 mm) in the pool wall for the outlet element (pos 1). Use the outlet element as a template: mark and drill the eight holes on the sides (6 mm drill).
2. Place the outlet element in the hole with the flanges on the outside of the pool frame.  
Secure with screws (pos 2) and nuts (pos 3) provided.
3. Attach the adhesive gasket (pos 4) to the outlet element.
4. Fit the wall mat and liner.
5. Fill the pool with water up to 5 cm under the outlet element.
6. Screw (pos 7) retainer frame (pos 6) with rubber gasket (pos 5) under the outlet element, tighten to 5Nm torque. The screws should be lubricated with grease.
7. Trim the liner to the inside of the clamping frame.
8. Fit the intake grille (pos 8) with screws (pos 9) lubricated with grease.
9. The pool can then be filled with water to the desired level.

### Hole diagram



1. Outlet
2. Countersunk screw M5x30 (8 pcs)
3. Flange nut (8 pcs)
4. Adhesive gasket
5. Gasket
6. Retainer frame
7. Countersunk screw M5x20 (32 pcs)
8. Front grille
9. Countersunk screw M5x20 (4 pcs)
10. Pool body (plywood)
11. Wall mat
12. Liner

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## 2. Installation for thick pool wall

To stabilise the outlet in concrete, embedding brackets can be used (accessories, item no. 112900).

**Note! If necessary, reinforcement must never be closer to stainless steel items than at least 50 mm.  
The pool wall should be rendered before installing the parts.**

### Thick pool wall with liner

(Bricks, thermoblock, concrete, etc.)

1. Make holes in the pool wall/mould and fix the outlet element (pos 1).  
The flange on the outlet element should be flush with the pool wall surface.

2. Fit the filler tube (pos 2) in the outlet element.  
Seal all threads with thread tape.

3. Fill (or mortar for the brick).

4. Attach the adhesive gasket (pos 4)  
on the flange of the outlet element.

5. Fit the wall mat and liner.

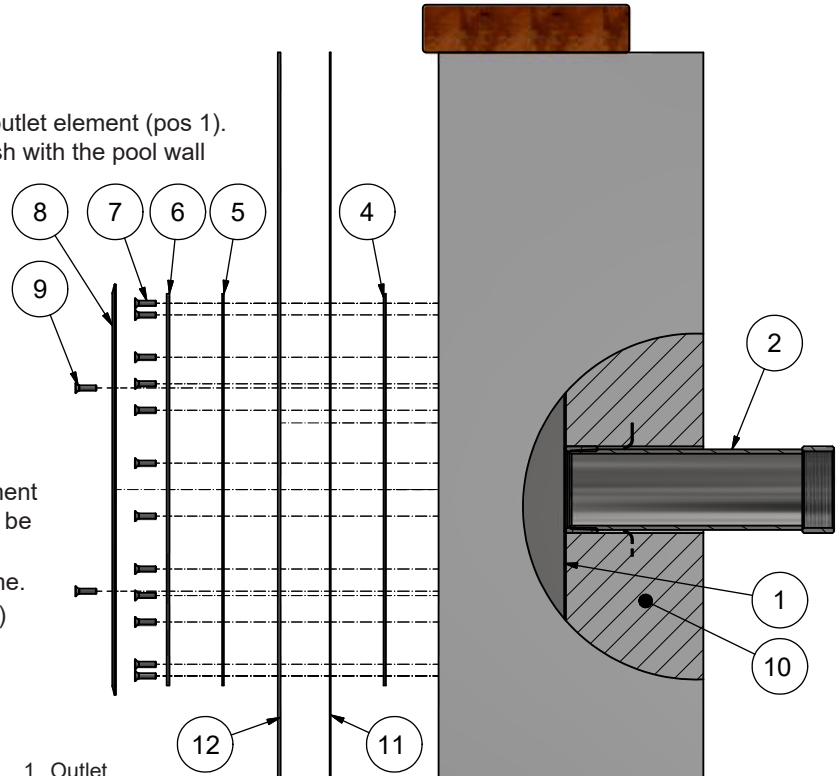
6. Fill the pool with water up to 5 cm under the housing.

7. Screw (pos 7) the mounting frame (pos 6) with  
the rubber gasket (pos 5) under the outlet element  
flange, torque setting 5Nm. The screws should be  
lubricated with grease.

8. Trim the liner to the inside of the mounting frame.

9. Fit the front grille (pos 8). These screws (pos 9)  
should also be lubricated with grease.

10. The pool can then be filled with water to the  
desired level.



- 1. Outlet
- 2. Filler tube
- 3. —
- 4. Adhesive gasket
- 5. Gasket
- 6. Retainer frame
- 7. Countersunk screw M5x20 (32 pcs)
- 8. Frontgaller
- 9. Countersunk screw M5x20 (4 pcs)
- 10. Front grille
- 11. Wall mat
- 12. Liner
- 13. Render
- 14. Surface layer (tile/mosaic)

### Thick pool wall without liner

(Concrete with tile / mosaic)

1. Mount the outlet element (pos 1) in the mould.  
The flange of the outlet element should be flush with the  
pool wall surface.

2. Fit the filler tube (pos 2) in the outlet element. Seal all  
threads with thread tape.

3. Fill.

4. *When the concrete has set (and tiling or painting is done):*  
Attach the adhesive gasket (pos 4) to the flange of the  
outlet element.

5. Fit the retainer frame (pos 6) with gasket (pos 5) under  
and torque the screws to 5Nm (pos 7). These screws  
should be lubricated with grease.

6. Fit front grille (pos 8) with screw (pos 9). Also lubricate  
these screws with grease.

7. The pool can then be filled with water to the desired level.

