

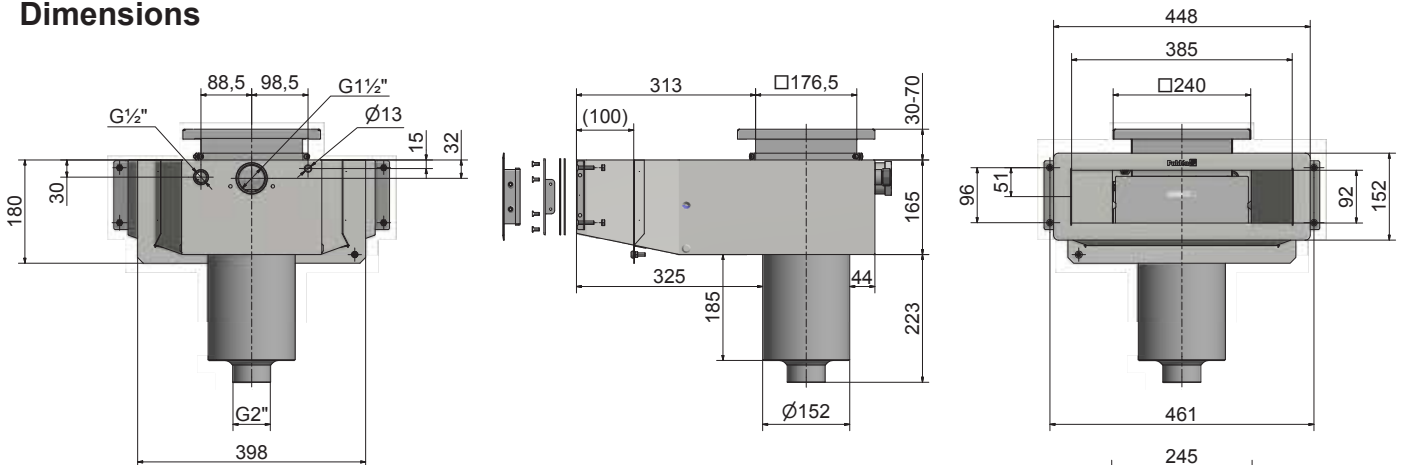
It is important to read this manual thoroughly in order to ensure normal functioning and long service life of the equipment. Pahlén AB is not responsible for the product warranty in case of any damage due to improper installation, mishandling or improper maintenance.

Product Description

A skimmer function in a swimming pool is to withdraw excessive pool water and pick up waste from the pool surface water. The skimmer has inlets for connection of the extension, water filling and level monitor (optional). The skimmer is delivered with plugs for these holes.

- The flap gate regulates the speed of the surface water and ensures that the outlet is not blocked by any larger objects.
 - The internal screen basket catches coarser material, which otherwise is transported to the pool's circulation pump.
 - Skimvac plate is included and used for the bottom suction hose at the pool manual cleaning.
 - The skimmer pipe is vertically adjustable to the height of 30-70 mm in order to adapt to the flooring around the pool frame.
- Pahlén can also offer higher skimmers with accessories: art.nr 633022 (height=137mm), art.nr 15594410 (height=250mm).

Dimensions



Operation

Avoid dosing of concentrated chemicals next to stainless steel parts, damage may otherwise occur in case of no pool circulation.
Empty screen basket regularly

Recommended values for water quality:

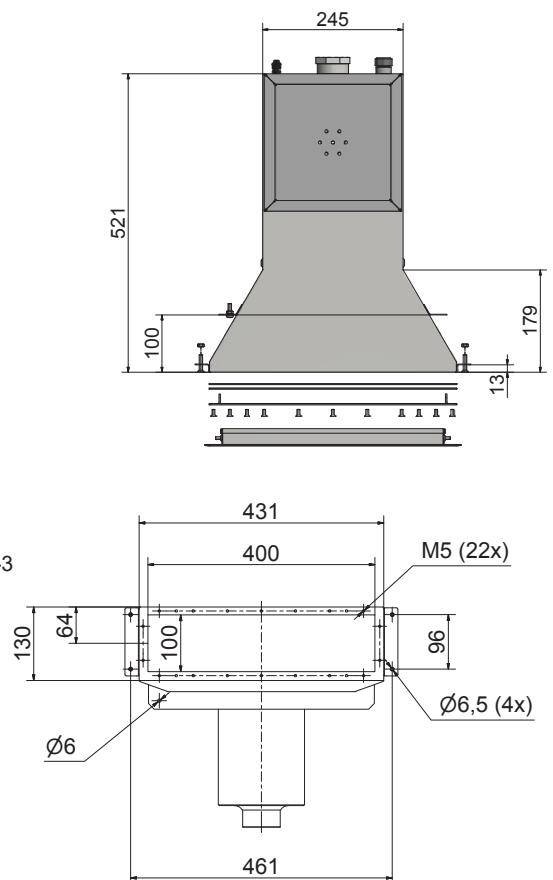
Total chlorine content:	max 3,5 mg/liter (ppm)*
Chlorine (salt) total:	max 250 mg/liter
pH-value:	7.2–7.6
Alkalinity:	60–120 mg/liter (ppm)
Calcium hardness:	100–300 mg/liter (ppm)
Iron:	max 0.1 mg/l *
Coppermax	0.2 mg/l *
Manganese:	max 0.05 mg/l *
Phosphorus:	max 0.01 mg/l *
Nitrate:	max 50 mg/l *

* Complies with EN 16713-3

Outside these values the product warranty does not apply.

Winter storage

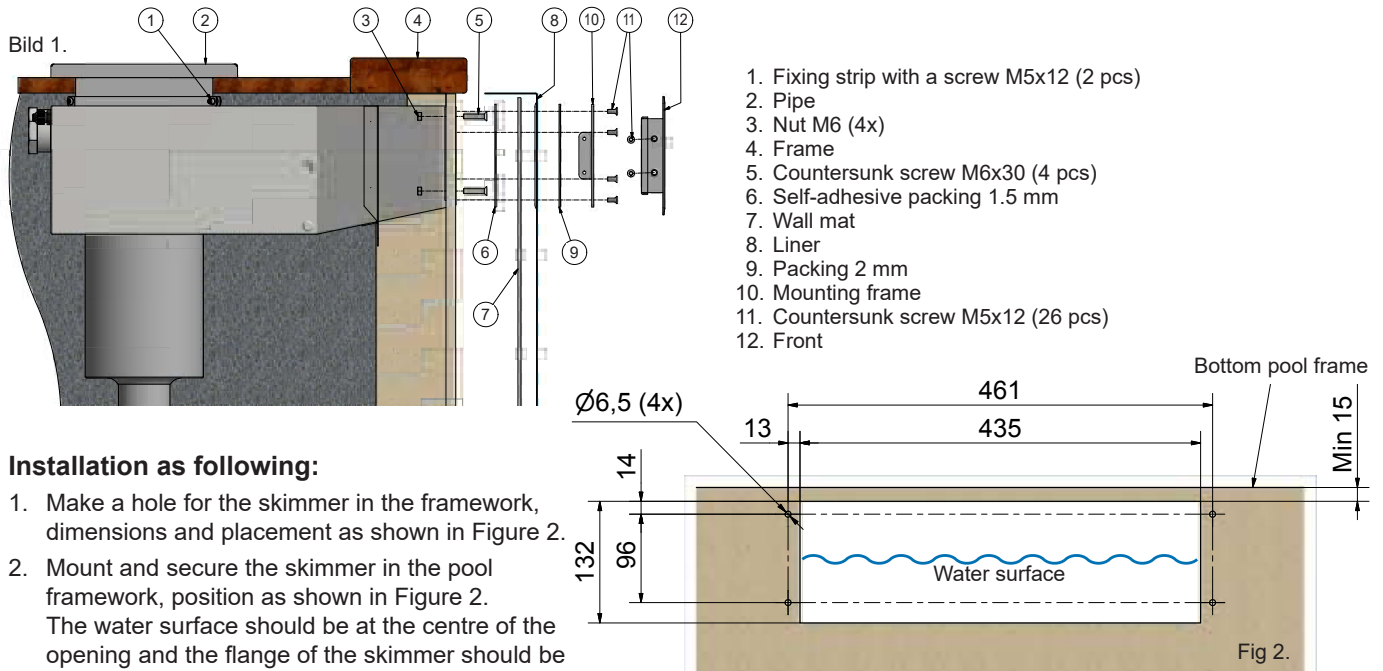
At winter storage of the pool, water level should be lowered below the skimmer level, take out the filter basket.



General installation instruction

Place the skimmer into the pool framework according to your pool supplier's instructions. The skimmer is typically placed at the opposite side of the water inlet. During installation works, stainless steel tools with clean contact surfaces should be used. In order to avoid scratches and stains, keep items in their original packaging until installation. Be careful during installation, so as not to scratch the skimmer.

For the pool framework made of wood, metal or plastic - finished with pool liner

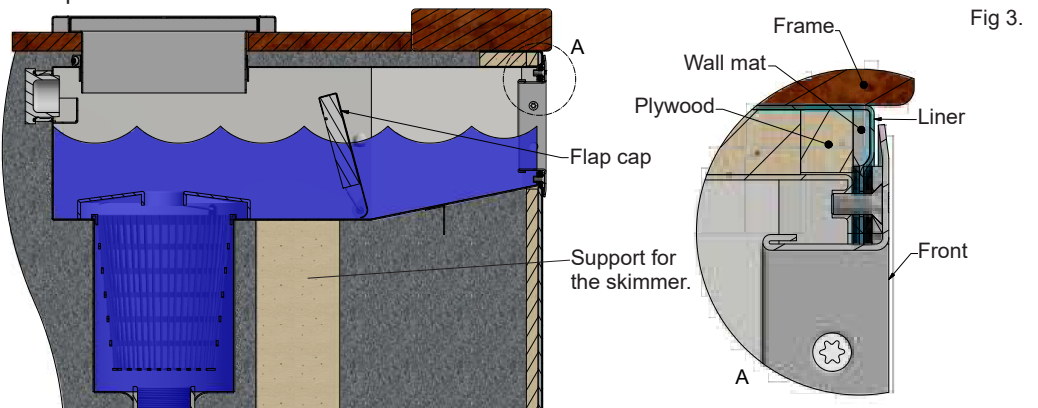


Installation as following:

1. Make a hole for the skimmer in the framework, dimensions and placement as shown in Figure 2.
2. Mount and secure the skimmer in the pool framework, position as shown in Figure 2. The water surface should be at the centre of the opening and the flange of the skimmer should be in line with a finished pool wall. To avoid subsidence, sand should be packed around and below the skimmer, or fix the skimmer with e.g. pressure-treated joists in the pool frame.
3. Connect the pipe coupling to the pool circulation with an appropriate thread sealant.
4. The openings for level control, overflow and refill should be at the rear plugs if they are not used.
5. Check that the flap cap is properly in place and can move.
6. Attach the self-adhesive packing onto the skimmer front edge (towards the pool).
7. Add the pool liner.
8. Fill the pool with so much water that it reaches 5 cm below the skimmer. Turn off the water.
9. Cut a small incision in the liner middle in the skimmer. Install the outer packing and the mounting frame - secure them first, then tighten crosswise.
10. Cut clean the pool liner gently along the front/inside the mounting frame.
11. Continue to fill the water into the pool until its level reaches the center of the skimmer opening.
12. Install the front.
13. Adjust the skimmer to the desired height in relation to the flooring around the pool.

Fix the skimmer with attached straps.

In case of machining the tool exclusively for stainless steel material should be used.



Installation of the pool wall made of stones/bricks, insulating blocks, concrete etc., finished with a pool liner

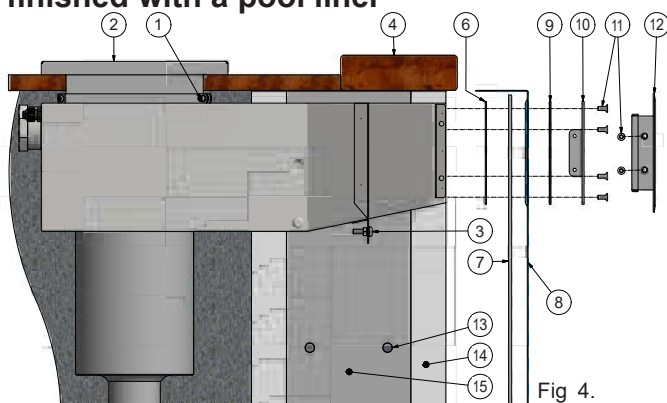


Fig 4.

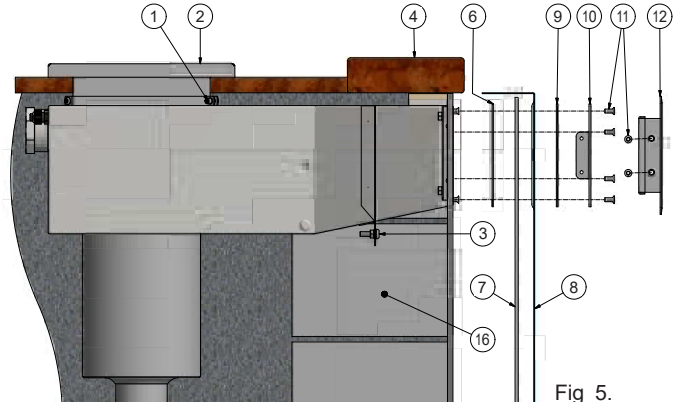


Fig 5.

Installation as following:

NOTE! When casting/reinforcing the pool frame work, do not get closer than at least 50 mm to the stainless materials.

1. Make a hole for the skimmer in the framework, dimensions and placement as shown in Figure 2.
2. Mount and secure the skimmer in the pool framework, position as shown in Figure 2.
3. The water surface should be at the centre of the opening and the flange of the skimmer should be in line with a finished pool wall.
4. Make a hole in the frame work for the skimmer, see dimensions on Fig. 2.
5. Install and fix the skimmer.
The water level should be at the center of the opening and the flanges must lie at the finished pool wall.
6. The openings are for level control, the overflow and refills are at the rear plugs if they are not used.
7. Connect the cable (at least 6 mm²) with a ring from the ground point in the sealed flanges to earth. Use stainless steel screw A4-quality for connection (Ø6,0 mm).
8. Connect the pipe coupling to the pool circulation pump with an appropriate thread sealant.
9. Mask skimmer exposed flange and openings before sealing in order to avoid concrete splashes.
10. Attach self-adhesive packing onto the pipe (after sealing).
11. Check that the flap cap is properly in place and can move.
12. Add the pool liner.
13. Fill the pool with so much water that it reaches 5 cm below the outflow pipe. Turn off the water.
14. Cut a small incision in the pool liner in the middle of the skimmer hole.
15. Install the outer packing and the mounting frame - secure them first, then tighten crosswise.
16. Cut clean the pool liner gently along the front/inside of the mounting frame. Continue to fill the water into the pool until its level reaches the center of the skimmer opening.
17. Install the front.
18. Adjust the skimmer to the desired height in relation to the flooring around the pool. Fix with attached straps.
NOTE! At eventual processing of the skimmer, the tools intended for stainless materials should be exclusively used.

1. Fixing strip with a screw M5x12 (2 pcs)
2. Skimmer top
3. Grounding point
4. Frame
5. —
6. Self-adhesive packing 1,5mm
7. Wall mat
8. Liner
9. Packing 2mm
10. Mounting frame
11. Countersunk screw M5x12 (26 pcs)
12. Front
13. Reinforcing bar
14. Isolating block
15. Concrete
16. Bricks (leca block)

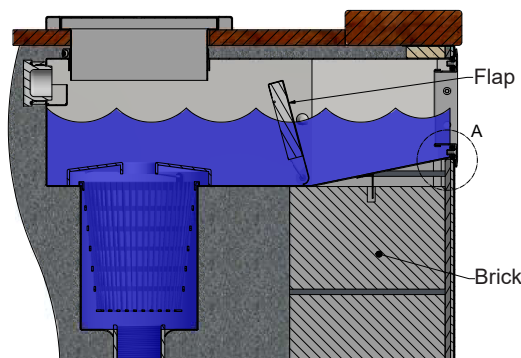


Fig 6. Wall of leca blocks

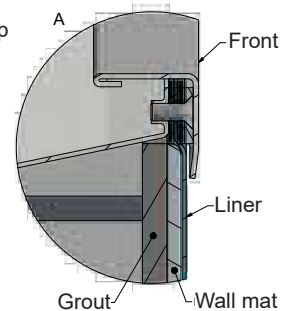
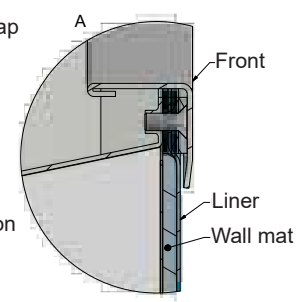
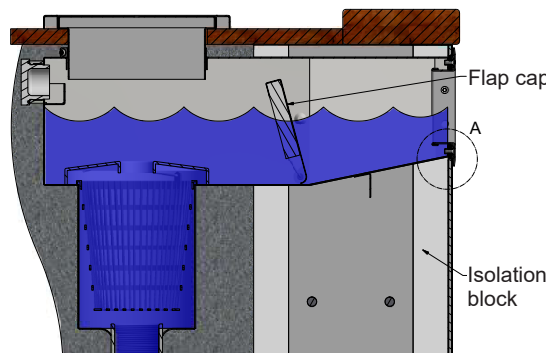


Fig 7. Frame of isolation blocks



For the pool frame of concrete - covered with tile/mosaic

Consult your concrete/waterproofing supplier for any waterproofing and application method.

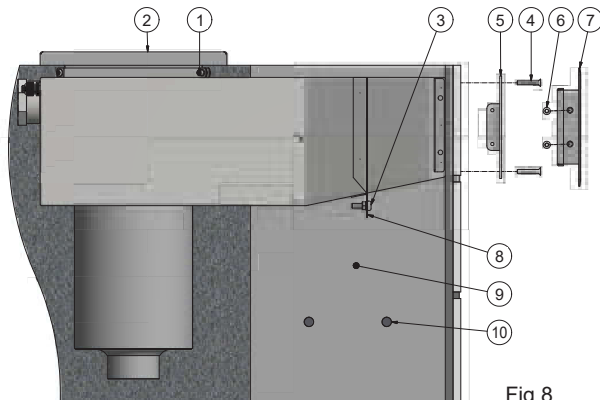


Fig 8.

1. Fixing strip with a screw M5x12 (2x)
2. Skimmer top
3. Earthing point
4. Countersunk screw M6x30 (4x)
5. Mounting frame
6. Countersunk screw M5x12 (4x)
7. Front
8. Flange
9. Concrete
10. Reinforcing bar

Installation as following:

NOTE! When casting/reinforcing the pool frame work, do not get closer than at least 50 mm to the stainless materials.

1. Make a hole for the skimmer in the framework, dimensions and placement as shown in Figure 2.
2. Apply sealer at the joint between the sealing flanges and the skimmer housing (see Fig. 9).
Pahlén recommends Tec7 as a sealant from Novatech (available from Pahlén) or Aqua Max from Griffon.
Upon application of the sealant, it is important that the joints are tight, so that no water can penetrate.
See sealant instruction for preparation, application and hardening.
3. Fasten the skimmer in the mold, so that the flange is in contact with the concrete wall.
NOTE! Non-corrosive material (e.g. steel) may not be closer to the stainless steel (pipe) than 50 mm.
4. Connect the cable (at least 6 mm²) with a ring from the intake flange to earth (see item 3 Figure 8). Screw, toothed washer and nut are supplied with the product.
If other components are used, it must be ensured that they are of stainless steel quality (Min. A4).
5. Prior to sealing; mask the skimmer exposed flange and openings in order to avoid unsightly stains from concrete splashes.
The openings in the skimmer back edge of the float switch, the overflow and refill openings can be sealed with supplied plugs, see Fig.11
6. Seal the pool frame.
7. Mount the wall cladding (fix, tile, mosaic, etc.). Make sure that the mounting holes (see Fig. 10) for fastening the frame are free, so that the mounting frame can be installed later.
8. Check that the flap cap is properly in place and can move.
9. Assemble the frame and secure it with screws (4x M5x30), see Fig. 8.
10. Mount the front of the frame and secure it with the supplied screws (4x M5x12) in the second and eighth holes, see Fig. 12.
11. Connect the pipe coupling to the pool circulation with an appropriate thread sealant.
12. The position of the skimmer top should be adjusted in height to the flooring around the pool. Fix to the desired height with attached straps.
13. If the skimmer top is shortened or processed in any other way, tools only for stainless materials should be used.

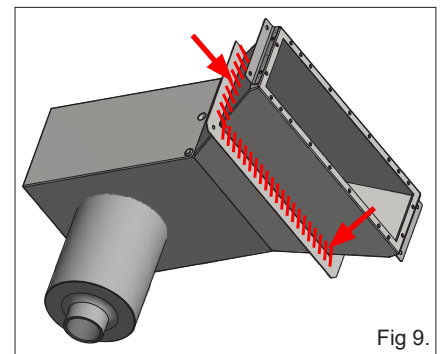


Fig 9.

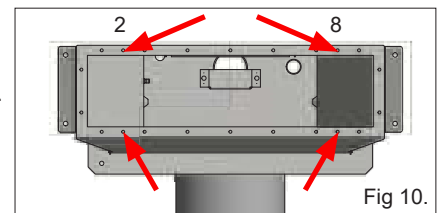


Fig 10.

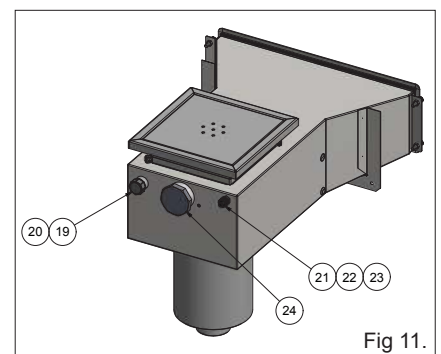


Fig 11.

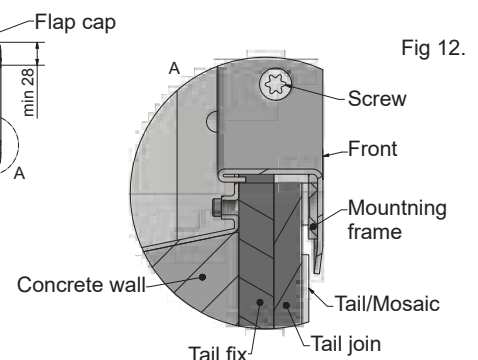
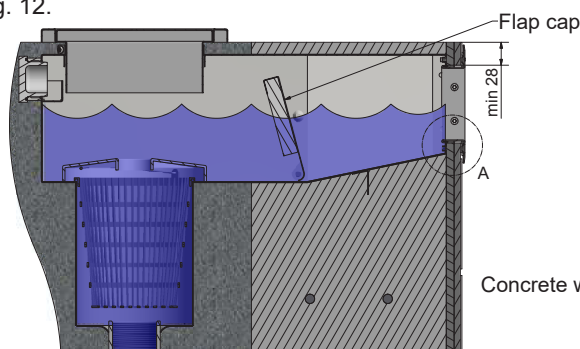


Fig 12.

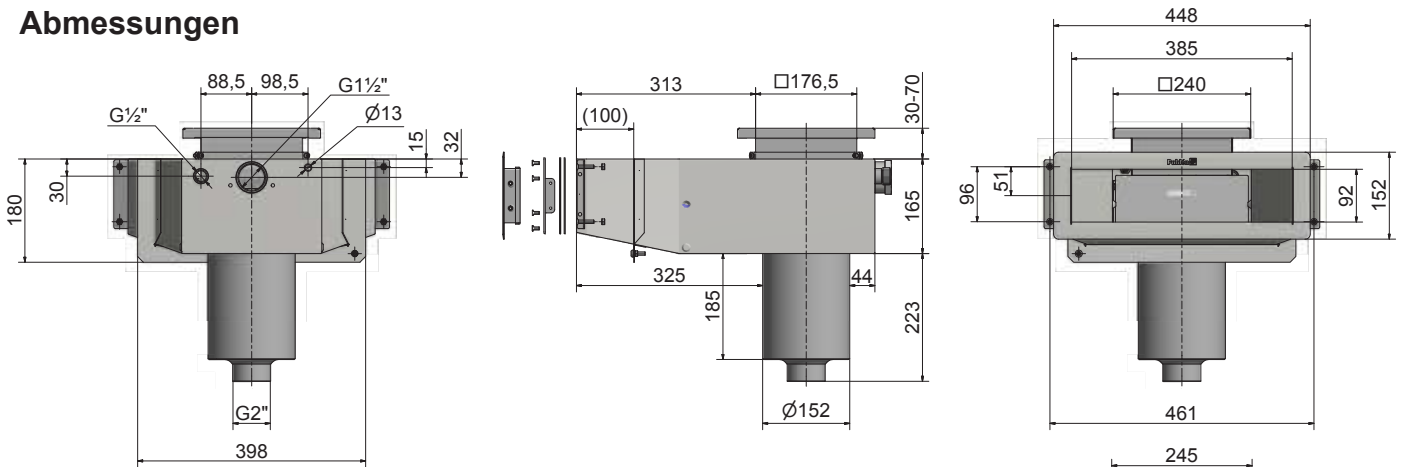
Dieses Handbuch muss unbedingt sorgfältig gelesen werden, um die Funktion und Lebensdauer der Ausrüstung sicherzustellen. Pahlén AB haftet nicht für Produktgarantie oder Schäden, die aufgrund falscher Installation, Bedienungsfehlern oder falscher Wartung auftreten.

Produktbeschreibung

Der Skimmer dient in einem Swimmingpool als Ablauf für das Wasser des Pools und zum Auffangen von auf dem Oberflächenwasser schwimmendem Schmutz. Der Skimmer hat Öffnungen für den Anschluss von Überlauf, Wasserbefüllung sowie einer Wasserstandsregelung (Zubehör). Im Lieferumfang sind Stopfen für die Öffnungen enthalten.

- Die Einlassvorrichtung regelt die Geschwindigkeit des Oberflächenwassers und stellt sicher, dass der Ablauf nicht durch größere Gegenstände blockiert wird.
- Der innenliegende Siebkorb fängt gröberes Material auf, das sonst zur Umwälzpumpe des Pools transportiert werden würde.
- Die mitgelieferte Skimvac-Platte wird für einen Bodensaugschlauch bei manueller Reinigung des Pools verwendet.
- Das Halsstück des Skimmers ist für Höhen von 30 bis 70 mm einstellbar, um an den Bodenbelag um den Pool herum angepasst werden zu können. Pahlén hat auch höhere Halsstücke als Zubehör im Angebot:
Art.-Nr. 633022 (Höhe = 137 mm), Art.-Nr. 15594410 (Höhe = 250 mm).

Abmessungen



Betrieb

Vermeiden Sie es, konzentrierte Chemikalien in der Nähe von Edelstahlteilen zu dosieren. Bei nicht vorhandener Poolzirkulation kann es sonst zu Schäden kommen. Entleeren Sie den Siebkorb regelmäßig.

Empfohlene Werte für die Wasserqualität:

Gesamter Chlorgehalt:	max. 3.5 mg/Liter (ppm)*
Chlorid(Salz)Gehalt:	max. 250 mg/Liter
pH-Wert:	7.2–7.6
Alkalinität:	60–120 mg/Liter (ppm)
Kalziumhärte:	100–300 mg/Liter (ppm)
Eisen:	max. 0.1 mg/Liter *
Kupfer:	max. 0.2 mg/Liter *
Mangan:	max. 0.05 mg/Liter *
Phosphor:	max. 0.01 mg/Liter *
Nitrat:	max 50 mg/Liter*

* Gemäß EN 16713-3

Bei Nichteinhaltung dieser Werte erlischt die Produktgarantie.

Vorbereitung auf den Winter

Bei der Vorbereitung auf den Winter wird der Wasserstand unter den Skimmer abgesenkt, nehmen Sie den Siebkorb heraus.

