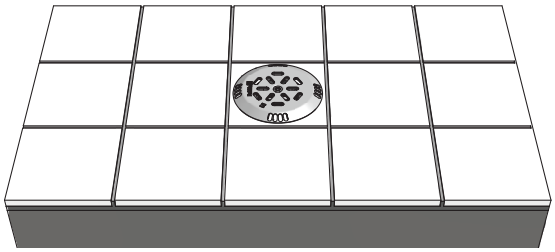
Bottom inlet - anchor bracket

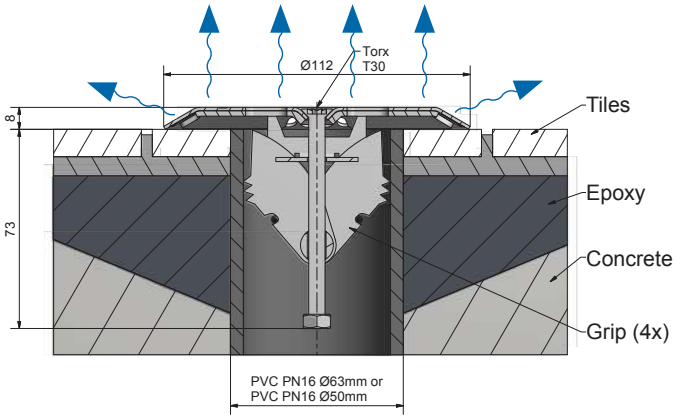
Product description

This inlet is designed for installation on the end of a molded plastic pipe (PVC, PE, PP), the PN10 or PN16 with an outside diameter of Ø50 or Ø63 mm. For minimum and maximum dimensions of the pipe inner diameter, see below.
Barbs are holding the nozzle inside, which means that it is securely fastened.
The throughput can be controlled in eight different positions.



Technical specifications

Max. pressure	4 bar (0.4 MPa)
Max. flow	max. 250 l/min
Min. inner diameter tube	Ø42,4 mm
Max. innerdiameter tube	Ø57 mm



General information

When mounting the inlet, screw means with stainless steel bits Torx T30 are needed. This is also needed when adjusting the flow afterwards.

Recommend values regarding water quality:

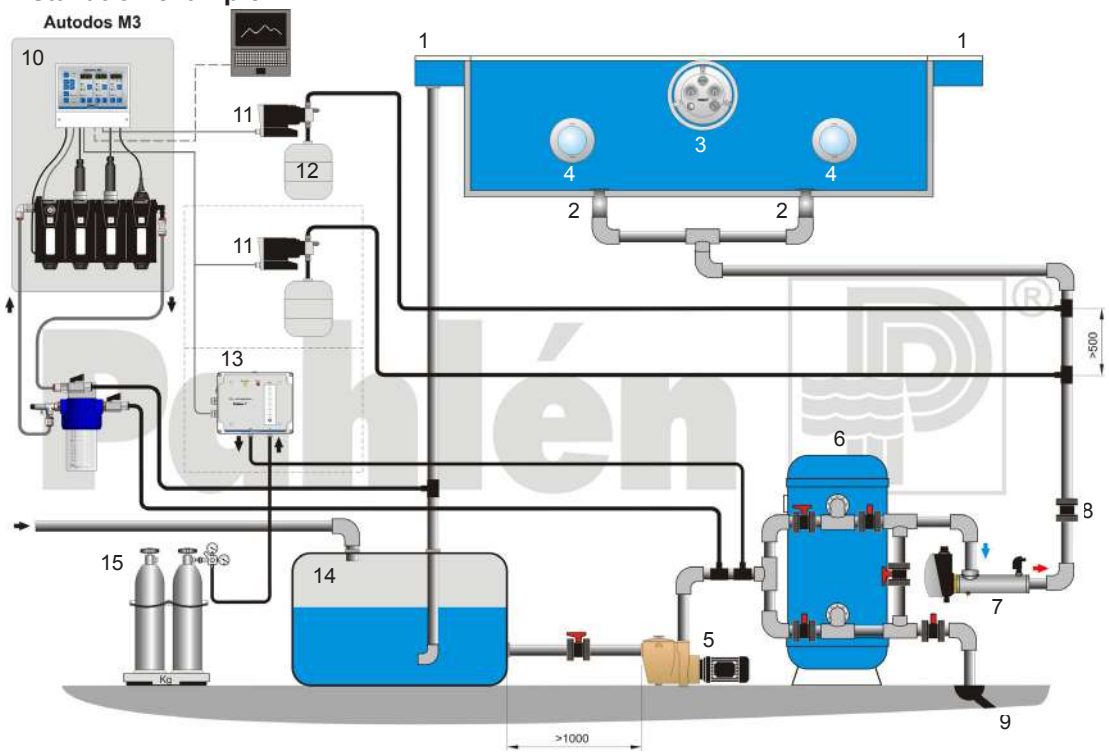
Chlorine:	max 3 mg/liter (ppm)
Chloride(salt)content:	max 250 mg/liter
pH value:	7.2 - 7.6
Alkalinity:	60-120 mg/liter (ppm)
Calcium hardness:	100-300 mg/liter (ppm)

Installation

A PVC pipe is cast in where the unit is to be placed. When the pool surface layer is ready, cut the PVC pipe at level with it. Bottom inlet shall be inserted (o-ring must remain attached) into the tube until the lower plate abuts the end of the pipe / pool's surface. Turn the upper plate and the lower part relative to eachother for the desired flow position and tighten the screw (3,5Nm).

NOTE! When mounted on the pool wall: remember to place the outer disc with the logo facing up and turn the inner part to the desired position before mounting.

Installation example

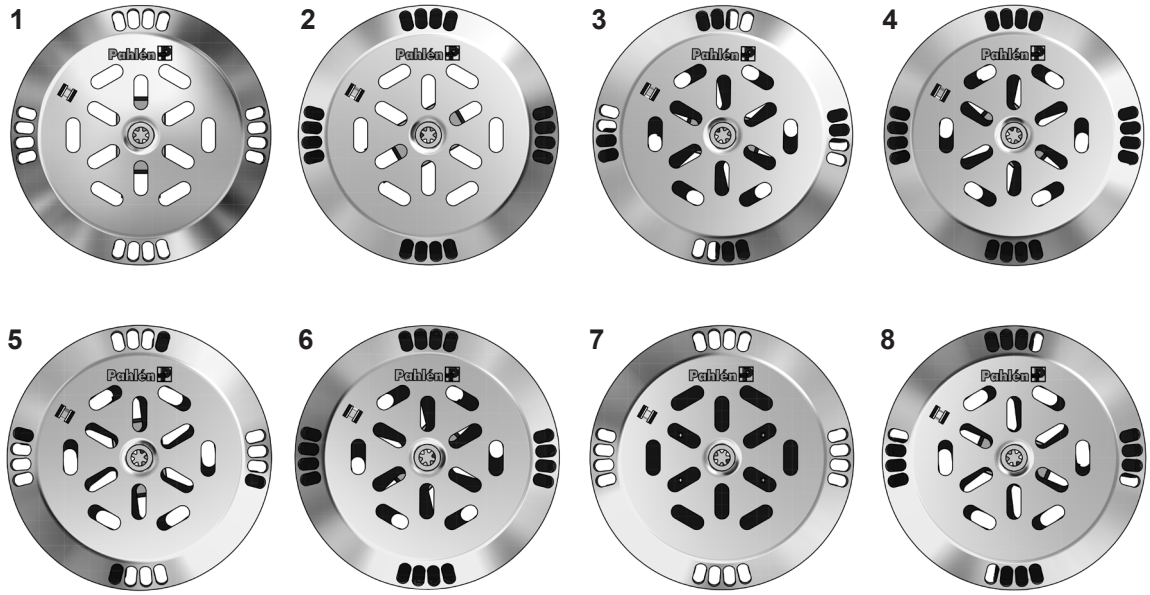


1. Overflow gutter or Skimmer
2. Bottom inlet
3. JetSwim
4. Light
5. Pump
6. Filter
7. Electric heater
8. Check valve
9. Drain
10. Autodos M
11. Dosing pump
12. Chlorine
13. pH-MaxiDos
14. Equalization tank
15. Gas bottle CO_2

Bottom inlet - anchor bracket

The flow

The throughput is adjusted by the upper and lower disc being rotated relative to each other to the desired position before the screw is tightened. Eight different modes available, see picture below.



The picture shows the position 1-8 like this:
Output Position 1 is the position where all holes are fully open.
For Mode 2, the top is lifted / rotated clockwise one notch from the starting position, another notch for position 3, etc.

Pressure drop (bar)

Pos.	Vertical opening	Horizontal opening	Area (open holes)	PVC-tube 50 mm PN16				PVC-tube 63 mm PN16			
				5m³/h	7m³/h	10m³/h	15m³/h	5m³/h	7m³/h	10m³/h	15m³/h
1	100%	100%	13,5cm²	0,01	0,04	0,12	0,28	0	0	0,03	0,14
2	100%	0%	9,8cm²	0,02	0,04	0,13	0,31	0	0	0,04	0,19
3	50%	50%	5,2cm²	0,03	0,08	0,19	0,45	0	0,04	0,12	0,31
4	60%	0%	4,0cm²	0,03	0,08	0,20	0,47	0	0,03	0,12	0,29
5	70%	75%	9,0cm²	0,02	0,05	0,14	0,35	0	0,01	0,06	0,19
6	50%	0%	2,9cm²	0,03	0,09	0,23	0,53	0,01	0,04	0,15	0,35
7	0%	100%	3,6cm²	0,03	0,09	0,23	0,52	0,02	0,06	0,16	0,37
8	70%	25%	6,3cm²	0,02	0,06	0,16	0,38	0	0,02	0,08	0,23

Adjustment of the flow afterwards

The flow can be adjusted after installation but then, turn only the upper disc (and logo will be put diagonally).

- Loosen the screw approximately 1-1½ turn. (The barbs hold the bottom to the tube.)
- Lift the upper tray and turn it to the desired position.
- Tighten the screw.