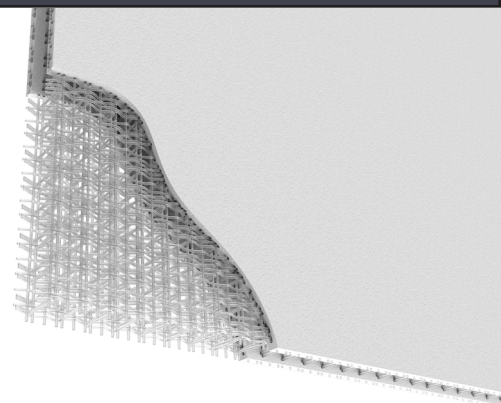


Technical Datasheet - IPC® Light

The IPC® Light is designed for low capacity MBR applications, to optimise the treatment and reuse of industrial and municipal wastewater.

Combining the advantages of the patented IPC® membrane technology in a compact and robust standalone format which can be manipulated manually without any additional equipment or tools. Ideal for low-capacity applications in residential and commercial set-ups like boats or mobile installations.



MEMBRANE SPECIFICATIONS

Membrane material

PVDF, proprietary blend

Nominal pore size

40 nm

Backwash

Up to 2.000 mbar

Membrane layer thickness

> 600 µm

Total membrane thickness

> 3,5 mm

Sheet construction

Integrated Permeate Channel- IPC®

Preservative

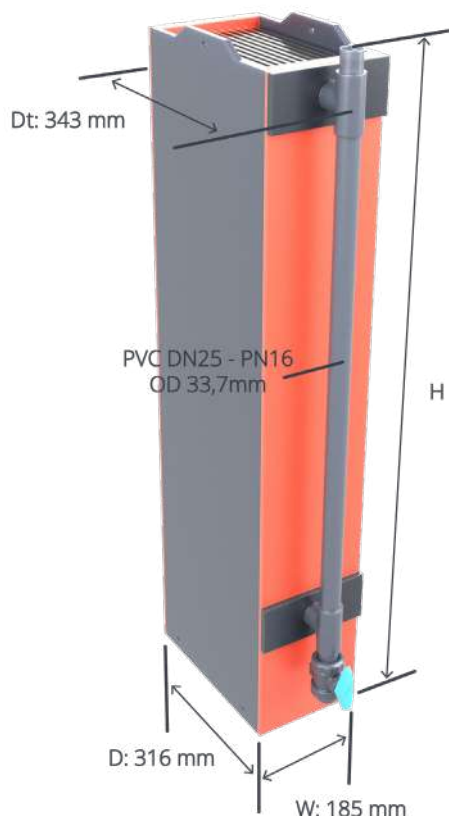
Glycerol + conservative additive

Mechanical stability

Incompressible under operating conditions

Chemical stability

1.000.000 ppmh NaClO @ pH < 11



MODULE SPECIFICATIONS

	IPC® Light
Height (mm)	1090
Unit size	1
Net membrane area (m²)	6
Weight dry (kg)	30
Weight wet max* (kg)	65
Module materials	PVC, PUR, SS

**Estimation based on assumption of 100% sludge deposit between membrane plates*



OPERATING PARAMETERS

FILTRATION

**Flux**

20 - 60 l/m².h

Transmembrane pressure

- 20 to - 500 mbar

MLSS

4- 15 g/l

Operating temperature range

1 to 40°C

CLEANING

**Physical cleaning**

Aeration and backwash

Chemical cleaning via permeate channel**Chemically Enhanced Backwash (CEB)**

NaClO: 200- 800 ppm- 1 to 4 times per month

Citric acid: 2.000 ppm- 2 to 4 times per year

Cleaning in Place (CIP)

NaClO: 1.000- 2.000 ppm- 2 to 4 times per year

Citric acid: 5.000 - 20.000 ppm- 2 to 4 times per year

pH-range cleaning

2- 11 (max. 30°C)

BACKWASH

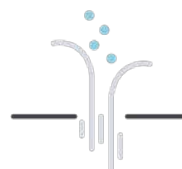
**Flux**

40- 120 l/m².h

Transmembrane pressure

+ 50 to + 1.000 mbar

AERATION

**Membrane diffuser,
medium size bubble aeration****Airflow**

5 m³/h per aeration unit

Typical range definition with regards to flux and TMP for filtration and backwash. Defined operating parameters for nominal process conditions, these may differ depending on application and specific project conditions

CONTACT

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