SRP Membranes
SR PARYAVARAN · A DIVISION

PRODUCT CATALOGUE

SRP REINFLO SERIES

REINFLO
SERIES

THE MEMBRANE OF THE FUTURE

Submerged MBR Membrane Modules

Reinforced PVDF capillary membranes in cassettes from 40 to 1,750 m².



PRODUCT CATALOGUE · 2026

SRP Reinflo Series

www.srpmembranes.com
www.srpepl.com

01 PRODUCT OVERVIEW

Product description & technical information

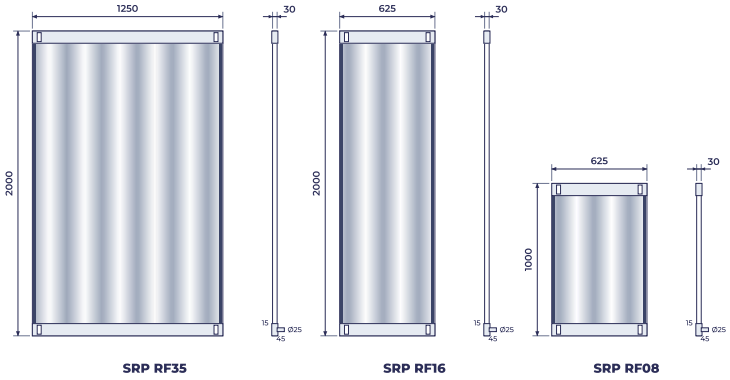
PRODUCT DESCRIPTION	
Membrane material	**Reinforced PVDF**
Membrane configuration	**Capillary**
Nominal pore size	**0.03 µm**

TECHNICAL INFORMATION	
Potting material	**Epoxy**
Membrane ID / OD	**1.0 mm / 2.6 mm**
Preservative	**Glycerin (35%)**

Figures are taken from the SRP REINFLO datasheet. Specifications may change as improvements are made.

02 DIMENSIONS

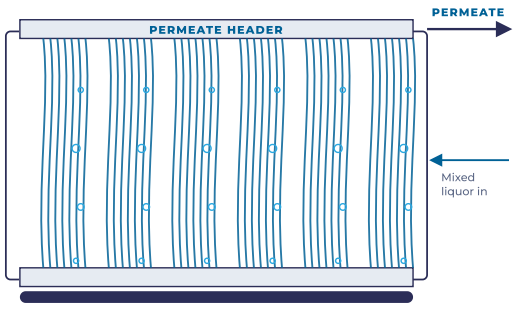
GENERAL ARRANGEMENT



Dimensions as shown in the REINFLO datasheet. Drawings are for reference. Ask us for the CAD files.

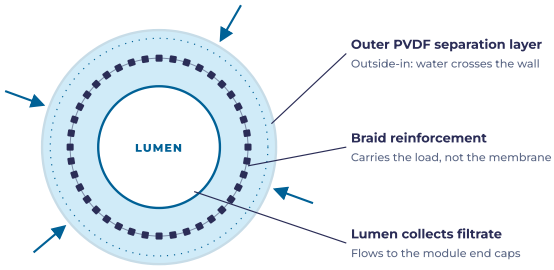
03 MEMBRANE ILLUSTRATIONS

HOLLOW-FIBRE CASSETTE



Reinforced PVDF hollow fibres in a cassette, front view

FIBRE WALL



Capillary fibre, magnified cross-section



04 MODEL SPECIFICATIONS

Models and specifications

MEMBRANE MODULES

MODULE	SRP RF08	SRP RF16	SRP RF35
Surface area (m²)	8	16	35
Dimensions L × W × H (mm)	30 × 625 × 1000	30 × 625 × 2000	30 × 1250 × 2000
Permeate port (mm dia)	25	25	25

CASSETTE MODELS

CASSETTE MODEL	Dimensions L × W × H (mm)	Total area (m²)	Suitable flow (KLD)	Module	No. of modules	Air scouring (Nm³/hr)
SRP REINFLO 40C	665 × 530 × 1540	40	15–25	RF08	5	10–12
SRP REINFLO 80C	675 × 900 × 1550	80	30–50	RF08	10	20–25
SRP REINFLO 96C	675 × 1040 × 1550	96	40–60	RF08	12	25–30
SRP REINFLO 128C	690 × 1350 × 1565	128	50–80	RF08	16	30–40
SRP REINFLO 160C	690 × 1630 × 1565	160	65–100	RF08	20	40–50
SRP REINFLO 240L	690 × 1280 × 2565	240	90–150	RF16	15	55–65
SRP REINFLO 320L	690 × 1630 × 2565	320	120–200	RF16	20	70–86
SRP REINFLO 400L	700 × 2000 × 2575	400	155–250	RF16	25	90–110
SRP REINFLO 525M	1315 × 1280 × 2565	525	200–330	RF35	15	115–145
SRP REINFLO 875M	1325 × 2000 × 2575	875	335–550	RF35	25	195–235
SRP REINFLO 1750M	1400 × 3900 × 2650	1,750	670–1,100	RF35	50	385–475

Reinforced PVDF
Material

0.03 µm
Pore

1–12
pH

15–1,100 KLD per cassette
Flow

05 MEMBRANE STRUCTURE

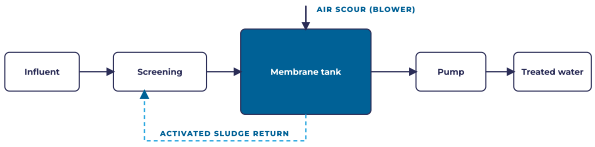
Strong capillaries for tough effluent

SRP REINFLO modules use a PVDF membrane reinforced with a net tube. In wastewater with high fouling, reinforced hollow fibres hold up better than non-reinforced ones, because the reinforcement adds mechanical strength and tensile modulus.

That strength lets the membrane withstand the stresses of fouling, which extends its working life. The reinforced structure also tends to give a more uniform pore size and less pore swelling, both of which help keep filtration efficient.

Large cassettes are available for higher flows.

TYPICAL SYSTEM FLOW





06 OPERATING CONDITIONS

Operating envelope

OPERATING CONDITIONS

PARAMETER	VALUE
Filtration mode	**Gravity / suction**
Filtration cycle	**20–120 min**
Operating flux, ETP	**10–20 L/m²h**
Operating flux, STP	**20–30 L/m²h**
Air purge flow	**1–3 Nm³ per module**
pH range	**1–12**
Max. tolerated NaOCl	**5,000 mg/L**
Max. TMP	**10–50 kPa**
Operating temperature	**5–40 °C**
Storage temperature	**5–40 °C**



07 SALIENT FEATURES

Built to last in fouling-heavy water

Reinforced PVDF capillary membranes in cassettes from 40 to 1,750 m², built for wastewater with high fouling.

Robust membrane

Made by Complex Thermally Induced Phase Separation (c-TIPS). The high crystallinity gives strong chemical resistance, good mechanical properties and a long life.

Oxidation-inert

Reinforced PVDF is chemically inert, so you can clean it with a strong oxidising agent, up to 5,000 mg/L NaOCl.

High strength

A net tube reinforces each capillary, giving strong resistance to damage.

Permanently hydrophilic

Cross-linking keeps the membrane hydrophilic for good, so flux stays consistent instead of fading over time.

No membrane peeling

The membrane is bonded to its supporting tube, which removes the problem of the membrane detaching.

Built for fouling-heavy wastewater

Reinforcement helps the fibres withstand the stresses of fouling, and gives more uniform pore size with less pore swelling.

08 APPLICATIONS

1 **Large municipal plants**
Suited to large-scale operations because of the higher flow rates.

2 **Industrial wastewater**
Effective on complex industrial effluents.

3 **Water reclamation**
For projects that reclaim water for agricultural or industrial use.

4 **Oil and gas**
Useful for treating produced water.

5 **Marine**
Compact design suits shipboard wastewater treatment.

09 WHY SRP

- Higher flow rates.
- Large cassettes available for higher flows.
- Handles a wide range of wastewater types.







SRP Membranes

REMEMBER THE FUTURE

Specify REINFLO for your MBR

New build, retrofit or membrane replacement. Share your flow, feed water and layout, and we will recommend the product, configuration and design.

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