

LABORATORY AND INDUSTRIAL RANGE

ORELIS Env. is active in membrane manufacturing for more than 30 years. ORELIS Environnement is manufacturing and supplying membranes, modules, skids which will be integrated in waste water treatment plant or recycling installations. Our company is dedicated to environmental applications in various markets as Automotive, Chemistry, Metal Working, Pharmacy, Agro-Food, Paper, and Small Collectivities...

PLEIADE®

The **Innovative Solution** for Industries: Polymeric and Ceramic membranes



The veins free liquids technology is most effective for demanding applications.

KLEARSEP™



The best Oily Water Separator for the treatment of Bilge Water

KLEANSEP™



The robustness of the membranes allows the separation of organic and mineral particles, oils, polymers.

MINIPILOT



Perfect for feasibility studies
1 pilot 2 membranes technologies :
Microkleansep™ Module equipped with ceramic membrane
Rayflow® Module equipped with flat sheet membrane Pleiade®

MP4®



It excels for its simplicity and robustness for the treatment of small communities wastewater such as base camps and resorts

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Filtration

Our job: design, produce and sell organic and ceramic membranes, Pleiade® Kleansep™ and Persep™ range, plan type, Spiral and Tubular Multichannel.

Innovative in the fields of purification and recycling of effluent, Orelis Environnement is an expert company in membrane separation technology, in the service of your processes.

We are working with installers and OEMs to implement our solutions membranes.

Our teams are at your disposal to find the solution to your needs.

PERSEP™ SI

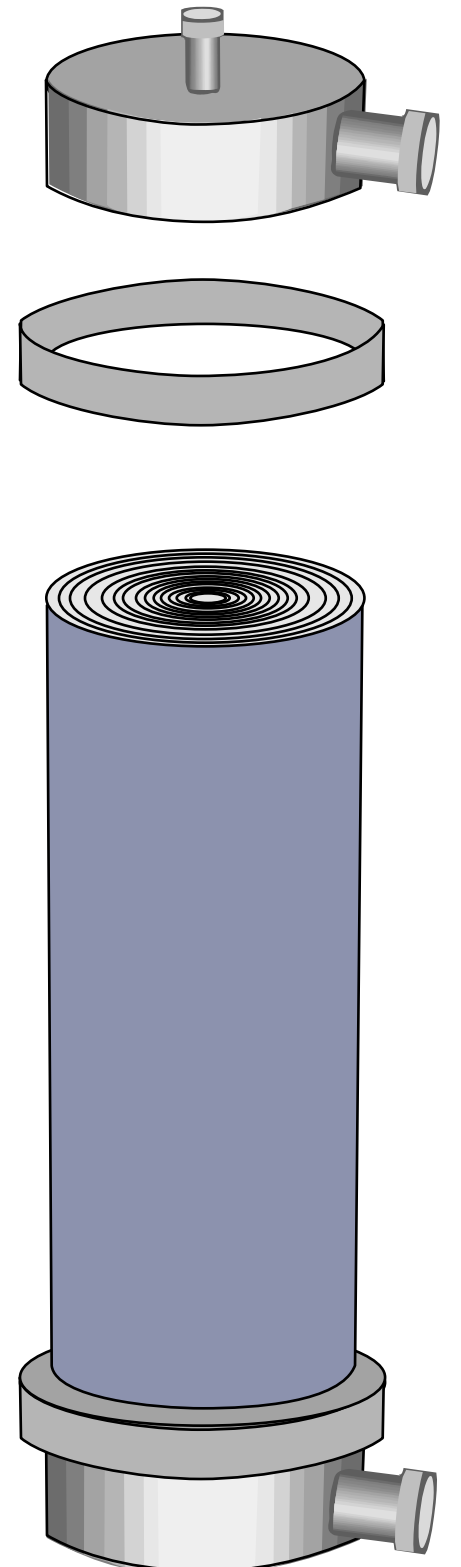
Characteristics	Caractéristiques	PERSEP SI (Spiral Integrated)	
		Metric	US
General characteristics	Caractéristiques générales		
Membrane material	Type de membrane	PVDF or PAN	
Spacer	Espaceur	0.7 mm	31 mils
Membrane surface	Surface active moyenne	28,1 m ²	302 ft ²
Cut off	Seuil de coupure	E-Coat Ultrafiltration	
Housing type	Type d'enveloppe	PVC	
Specifics characteristics	Caractéristiques spécifiques	Spiral Integrated : l'élément spiral est intégré à l'enveloppe en PVC = prêt à l'emploi	Spiral Integrated: spiral wound element is integrated PVC housing = ready for use
Recommended operating conditions	Conditions opératoires recommandées		
Maximum inlet pressure	Pression maximum d'entrée	5.5 bar à 52°C	80 psi - 125°F
Maximum outlet pressure	Pression maximum de sortie	0,70 bar	10 psi
Maximum cleaning temperature	Température maximum de nettoyage	52°C	125°F
Maximum back pressure	Contrepression Permeat maximum	0,35 bar	5 psi
Chlorine resistance	Chlorine résistance au chlore en continu	2 ppm	
Range of pH	Gamme de pH		
Filtration	Filtration	2 à 10 à 52°C	2 to 10 - 125°F
Cleaning	Nettoyage	1,5 à 10,5 à 52°C	1,5 to 10,5 - 125°F
Paint flow rate	Débit de peinture		
Retentate flow rate	Débit rétentat	14,1 à 17 m ³ /h	US.GPD 90,000 – 108,000
Maximum pressure drop	Perte de charge maximale	1,7 à 2,4 bars	24 to 34 psi
Dimensions of PERSEP SI module	Dimensions du module PERSEP SI		
Module length	Longueur du module	1003 mm	39,5 in
External diameter	Diamètre externe du module	219 mm	8,6 in
Permeate connector Diameter	Diamètre interne du tube permeat	33 mm	1,3 in
Feed connector Diameter	Diamètre du connecteur d'alimentation	191,5 mm	7,5 in
Permeate connector Diameter	Diamètre du connecteur perméat	42 mm	1,6 in
Dry weight	Poids du module (vide)	22,7 kg	50 lb
Working weight	Poids du module (plein)	40,8 kg	90 lb

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PERSEP™ SI



PERSEP™ SI : : spiral wound element is integrated PVC housing = ready for use



PERSEP™ SI diagram