Industrial Membranes Overview

FACT SHEET

For decades, Veolia has served a large range of industrial fluid separation needs by providing spiral wound membrane elements. The membranes are used in both process separation and water stream recovery. Membranes that treat the process streams add value in various ways including: purifying and concentrating valuable products, isolating valuable by-products, and recovering, reusing important fluid materials. Membranes that treat influent water sources prepare the water for any usage within the industrial process for dissolving, mixing, diluting, rinsing, quenching, cooling or in the utilities, for boilers and cooling tower feed. Membranes are also used to treat wastewater to enable water reuse in the facility or to meet effluent discharge requirements.

Veolia has a wide range of membranes for industrial application meeting all of your fluid stream needs. This range includes ultrafiltration (UF) for applications such surface water pre-filtration, TOC/color removal, nanofiltration (NF) for salt separation, dye removal / concentration or metals recovery and reverse osmosis (RO) for water recovery, brine concentration, & process stream concentration.

Industrial Membranes by Membrane Type

RO	NF	UF
AG Series	DK Series	GE Series
AK Series	DL Series	GH Series
AP Series	RL Series	GK Series
SE Series		

Not only does Veolia offer a wide spectrum of membranes, but these are also available in a diversity of configurations to meet your key fluid characteristics (temperature, viscosity, solid content) as well as the specific process requirements like pressure and sanitation.

Specific Industrial Applications

Application	Product Name	Membrane Type
Brine Purification and Separation, including Lithium Brines	DK, DL, Industrial NF Series	NF
Dye Desalting	DK, DL Series	NF
Textile Effluent Treatment	GH, GK Series	UF
Hot Product Demineralization, Concentration	Duratherm* EXL Series	NF, RO
Hot Condensate Recovery	Duratherm STD Series	RO
High Value Organic Fractionation	GE, GH, GK Series	UF
Acid Recovery, Metal Reclamation, and Purification	Duracid Series	NF
Landfill Leachate	Industrial RO3, DuraSlick Series	RO, NF
Seawater Sulfate Removal	SWSR Series	NF
Industrial Wastewater	DK Series AG Series	RO, NF
Brine Concentration	Industrial RO	RO

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