



**DESALINATION ENERGIZED BY**

**LANXESS**  
Energizing Chemistry

**X Lewabrane®**

## REFERENCE LIST 2015

**Lewabrane®** RO membrane elements are designed for state-of-the-art desalination of seawater, brackish water, and low-salinity water in industrial and potable water applications. Since market entry in 2012 tens of thousands of RO elements have been installed in more than 25 countries worldwide. LANXESS manufactures its **Lewabrane®** RO membrane elements in a modern production plant in Bitterfeld, Germany, and is the only European producer in the market.

The products are based on a unique polyamide membrane chemistry that provides the user with stable salt rejection and flow performance over the operating life of the membrane. The **Lewabrane®** product line is compliant with NSF/ANSI Standard 61 which is a recognized standard for devices, components and materials that come into contact with drinking water.

The comprehensive design software **LewaPlus™** can calculate **Lewabrane®** RO and **Lewatit®** ion exchange arrays within the same software platform. It allows the designer to simultaneously optimize both the RO and IX configuration, which is unique in the industry.

Country	City	Capacity		Water type	Industry	Element type
<b>Europe, Middle East &amp; Africa</b>						
Egypt	Ras Sudr	2500	m <sup>3</sup> /d	Seawater	Municipal	RO S400 HR
Egypt	Ain Sukhna	960	m <sup>3</sup> /d	Brackish water	Municipal	RO B400 FR
Egypt	Sharm El Sheik	500	m <sup>3</sup> /d	Seawater	Municipal	RO S400 HR
Germany	Frankfurt	2760	m <sup>3</sup> /d	Low salinity water	Refining/Chemicals	RO B400 LE
Romania	Brazii	2016	m <sup>3</sup> /d	Low salinity water	Oil & Gas	RO B440 LE
Russian Federation	Shchekino	7800	m <sup>3</sup> /d	Low salinity water	Refining/Chemicals	RO B370 HF
Serbia	Pancevo	7200	m <sup>3</sup> /d	Low salinity water	Oil & Gas	RO B400 LE
Slovakia	Bratislava	16200	m <sup>3</sup> /d	Low salinity water	Oil & Gas	RO B400 HR
<b>Americas</b>						
Brazil	Triunfo	10800	m <sup>3</sup> /d	Low salinity water	Petrochemicals	RO B400 LE
Mexico	Tampico	13824	m <sup>3</sup> /d	Low salinity water	Oil & Gas	RO B400 FR
Mexico	Tampico	1728	m <sup>3</sup> /d	Low salinity water	Refining/Chemicals	RO B400 FR
Mexico	Nava	1008	m <sup>3</sup> /d	Low salinity water	Power	RO B400 HR/RO B400 LE
USA	Jacksonville	681	m <sup>3</sup> /d	Low salinity water	Power	RO B400 LE

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Country	City	Capacity	Water type	Industry	Element type
<b>Asia-Pacific</b>					
Australia	Sydney	6000	m <sup>3</sup> /d Low salinity water	Wastewater Reuse	RO B400 HR/RO B440 HR
Australia	Perth	4000	m <sup>3</sup> /d Brackish water	Power	RO B440 HR
Australia	Perth	3000	m <sup>3</sup> /d Brackish water	Power	RO B400 FR
Australia	Perth	2500	m <sup>3</sup> /d Brackish water	Power	RO B400 HR
China	Huhehaote	8640	m <sup>3</sup> /d Wastewater	Refining/Chemicals	RO B400 HR
China	Ningxia	8400	m <sup>3</sup> /d Wastewater	Mining	RO B400 FR
China	Pingxiang	4320	m <sup>3</sup> /d Low salinity water	Power	RO B400 FR
China	Manzhouli	3360	m <sup>3</sup> /d Low salinity water	Pulp & Paper	RO B400 HR
China	Puyang	2880	m <sup>3</sup> /d Low salinity water	Chemicals	RO B400 HR
China	Taiyuan	2400	m <sup>3</sup> /d Low salinity water	Power	RO B400 FR
China	Lingfeng	2400	m <sup>3</sup> /d Low salinity water	Power	RO B400 FR
China	Changzhou	2400	m <sup>3</sup> /d Pure water or tap water	Refining/Chemicals	RO B400 HF
China	Ningbo	2400	m <sup>3</sup> /d Wastewater	Chemicals	RO B400 FR
China	Qingdao	1920	m <sup>3</sup> /d Low salinity water	Power	RO B400 HR
China	Wuhan	1440	m <sup>3</sup> /d Pure water or tap water	Refining/Chemicals	RO B400 HR/RO B400 LE
China	Shanghai	1200	m <sup>3</sup> /d Low salinity water	Refining/Chemicals	RO B400 HR
China	Nanjing	960	m <sup>3</sup> /d Low salinity water	Power	RO B400 HR
South Korea	Gumi	5300	m <sup>3</sup> /d Wastewater	Refining/Chemicals	RO B400 FR
South Korea	Ansan	4750	m <sup>3</sup> /d Low salinity water	Electronic Industry	RO B400 HR
South Korea	Pyeongtaek	3400	m <sup>3</sup> /d Low salinity water	Electronic Industry	RO B400 HR

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