



Immersed UF Membrane Product

Litree provides a wide range of water purifying solutions, including

- ☐ Municipal water treatment
- ☐ Industrial processing water treatment
- ☐ One-step solution to household water problems
- ☐ Commercial application, such as offices, restaurants, airports, hotels, hospitals and schools
- ☐ One-step solution to outdoor drinking
- ☐ Municipal wastewater treatment
- ☐ Industrial wastewater treatment

Headquarter

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Manufacturer

Hainan Litree Purifying Technology Co.,Ltd.
Suzhou Litree UF Membrane Technology Co.,Ltd.

The Latest Innovation Technology
for UF Membrane



The Company

Litree Enterprise is a professional hi-tech group specialized in research, development and manufacturing of ultra-filtration (UF) water purification equipments and systems.

Litree has two UF membrane production sites in Haikou and Suzhou.

Litree possess many national and international patents in UF membrane technology, UF products are widely used in municipal water supply, rural

water quantity improvement, industrial processing water supply, municipal sewage treatment and recycling, industrial wastewater recycling, and seawater desalination, etc.

Litree UF products are exported to many countries and regions, Litree has established subsidiaries in North America, Europe and Turkey, providing prompt technical support and service to clients around the world.



What's reinforced membrane?

- Litree enhances fiber with the braided inner wall
- High physical strength - Tensile force is greater than 280 N
- Excellent chemical resistance
- Pores are evenly distributed with high precision



Membrane module

Features

- Litree UF module adopts high hydrophilic fiber
- High and stable flux to reduce the operational quantity of modules to reduce investment cost
- Suppress sludge accumulation on the membrane fiber by unique module structure and efficient aeration to reduce operation cost
- Strong tensile strength and excellent chemical resistance fiber to realize long service life
- Reinforced hollow fiber with 0.02 μm nominal pore size intercepts suspended solids and microorganism effectively

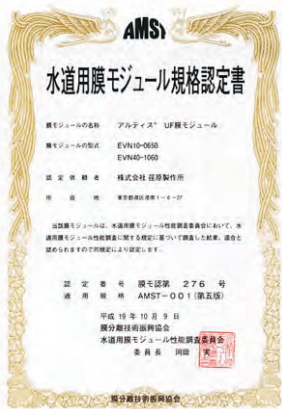
International Certifications



NSF Certification (US)



CDPH Title 22 (US)



AMST (Japan)

Membrane Module Specifications

Types		LJ1E3-2000-PV2	LJ1E3-1500-PV2	LJ1E3-950-PV2
Membrane properties	Membrane material	Reinforced PVC		
	ID/OD of fiber	1.0/2.0 mm		
	Activemembraneatea	31m ²	23m ²	14m ²
	Nominalporesize	0.02μm		
Working condition	Max.suctionpressure	-60 kPa		
	Max.operationtemp	40 °c		
	pH range	1~13		
Dimension LxWxH (mm)		721 x70x2122	721 x70x1622	721 x70x1082
Weight		16 kg	13 kg	9 kg

Applications

- Municipal water supply
- Industrial water purification
- Boiler feed water, cooling water
- Pharmaceutical manufacturing
- Municipal waste water treatment
- Reclaimed water reuse
- Local sewage plants
- Water processing and recycling facilities
- Pretreatment process for drinking water
- Pretreatment process for RO system
- Landfill leachate advanced treatment



Membrane cassette

Membrane Cassette Specifications

Model No.	Dimension (mm) L x W x H	Active membrane area (m ²)	Permeate connector (mm)	Air inlet connector (mm)
LGJ1E3-950×14	1210×805×1485	196	Φ110	DN40 Flange
LGJ1E3-1500×14	1210×805×2010	322	Φ110	DN40 Flange
LGJ1E3-2000×14	1210×805×2510	434	Φ110	DN40 Flange
LGJ1E3-950×26	2110×805×1505	364	Φ140	DN65 Flange
LGJ1E3-1500×26	2110×805×2030	598	Φ140	DN65 Flange
LGJ1E3-2000×26	2110×805×2530	806	Φ140	DN65 Flange
LGJ1E3-2000×52	2100×1560×2520	1612	Φ114	Φ89×2

Application



Wastewater Treatment Plant

Capacity: Phase I 6,000m³/day (1.58mgd) Since 2013
Phase II 18,000m³/day (4.74mgd) Since 2014
Raw water: Waste water in Industrial Zone
Location: Italy



Wastewater Treatment Plant

Capacity: 12,000m³/day
In operation since: 2013
Raw water: Municipal and industrial waste water
Location: Shandong, China



Beijing No.3 Municipal Water Plant

Capacity: 80,000m³/day
In operation since: 2013
Raw water: Groundwater
Location: Beijing, China

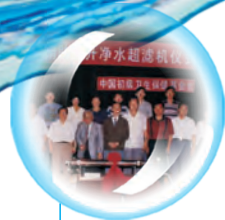
NOV 1992

The first UF filter was put into use.



SEP 1998

Litree donated over USD 200,000 worth of water purification equipment and established 60 water stations to solve drinking water problems in disaster area.



JUL 2007

Litree USA R&D center was established.



OCT 2007

Litree UF membrane modules were applied to Kaohsiung Kaotan Municipal Water Plant in Taiwan. The water treatment capacity is 300,000 m³/day.



MAY 2008

Litree donated over USD 1,500,000 worth of water purification equipment during the Wenchuan earthquake. On May 27th, Litree Love Middle School was established in Shifang City, Sichuan.

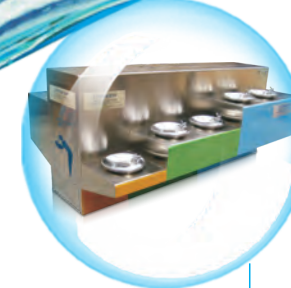


MAY 2009

Litree European (the Netherlands) sales center was established.

DEC 2009

Shandong Dongying Nanjiao Municipal Water Plant went into operation. It was the first large-scale municipal water plant that used domestically manufactured UF membrane. It was also the first project that adopted immersed PVC membrane in municipal water treatment.



MAY 2010

Litree supplied and maintained all direct drinking water equipment for Shanghai World Expo, providing direct drinking water for 73,000,000 visitors from 260 countries. Litree direct drinking water equipment provided 150,000 tons of water during the 184 days of running.

MAY 2011

Litree Turkey sales center was established.

JAN 2013

Litree European service center was established.

NOV 2013

The latest innovation technology - PVC reinforced UF membrane was launched in Amsterdam.