旭化成の中空発「マイクローザ」は、
エネルギー、下水処理、電力、自転車、医薬、食品、
化学工業、環境関連など幅広い分野で水処理、分離精製に活用され、
最先端の中空発過濾技術として世界的に
環境保護や省エネに積極的に貢献しています。

Asahi Kasei's hollow fiber Micraza membrane filters are
employed in water treatment and for separations and purification in a
variety of industries including electronics, municipal water, wastewater, power
generation, automotive, pharmaceutical, food, chemical, and environment
related fields. As a most advanced hollow fiber membrane filtration
technology, Micraza products are contributing to environmental protection
and energy conservation in a global market.
高効率、高精度、高耐久性の「マイクローザ」。
さまざまな液体の分離・ろ過・除濁に活躍。

Microz・Highly Efficient, Precise Filtration, Durable Module.
Deployed in various liquid separation, filtration, and purification processes.

「マイクローザ」は、独自化成が進行する中空糸膜モジュール、特殊な有機高分子を中空糸膜の膜にしたものです。膜の選択した組織の間で孔を利用して液体の分離操作は、膜を通過するもので、この膜に空いた孔が有効な均等性が「マイクローザ」などでの長持ち、シャープな性能が他に見ない安定したろ過特性を発揮します。

【マイクローザ】には、対象となる物質の大きさに応じて、MF(精密ろ過)とUF(超微細ろ過)の2種類の中空糸膜と、それを応用したさまざまな製品・システムをご用意。化学、精密電子工業はもとより、上下水など、食品、医薬、エネルギー、環境など幅広い分野に導入されて実績を積み上げており、活躍しきれている。

Microza is a filtration module containing unique hollow fiber membranes developed by Aghi Kasei for filtration systems. Several types of hollow fiber membranes are available, and various organic polymers. Liquid filtration takes place through the pores, or gaps, in the hollow fiber wall structure. Microza membranes have sharp pore size distributions that provide superior and stable filtration performance.

There are two categories of Microza hollow fiber membranes: 1) microfiltration (MF) membranes and 2) ultrafiltration (UF) membranes. These are available in a variety of product types and system configurations to meet various filtration requirements. Microza has an established track record for high performance in a wide variety of applications. They are not limited to chemical or electronic industries, but are also applicable, and receiving very high ratings, in municipal water, wastewater, food, pharmaceutical, energy, and environmental applications.

【UF/UF Ultrafiltration (UF)】
UF (Ultrafiltration) 是孔径在0.001μm～0.1μm范围，对超微细粒子的大小在膜孔的范围内的小型分离。

Pores of UF membranes have an approximate size range of 0.001 μm to 0.1 μm. The membrane is permeable to small molecules and ions, allowing for the separation of macromolecules and colloidal particles. It is used for the removal of colloidal and particulate matter from liquids, making it suitable for applications such as water treatment, food and beverage processing, and pharmaceutical separations.

【MF/Microfiltration (MF)】
MF (Microfiltration) 是孔径在0.1μm～1μm范围，对超微细粒子的大小在膜孔的范围内的小型分离。

Pores of MF membranes have an approximate size range of several μm to 1μm. Suspended solids and colloidal particles in liquids can be separated efficiently and with precision. Microza MF has also demonstrated high permeability, long service life, and separation capabilities for water purification.

Inside-Out and Outside-In filtration modes

内圧ろ過と外圧ろ過 Inside-Out and Outside-In filtration modes

内圧のろ過と外圧のろ過で、それぞれのろ過効果を細かく見分けることが可能。それぞれの効果が異なるので、適切なろ過方法を選択しています。

A high cross-flow velocity over the membrane surface promotes membrane fouling. This makes inside-out filtration suitable for concentration and purification of highly concentrated solutions.

一次側差圧が高いと、粘重基準材を特有の特性を有するバルク Celebrate, また、エアフィルター等の微細な集取できるが、大量の水の亜粒子を含む。
先進の研究開発体制
Advanced Research and Development Organization

「マイケージ」の実績にあたっては、世界に先駆ける先端技術や、機能\r

万全の生産施設
Comprehensive Production Facilities

圧倒的な導入実績
Unequaled Succession of References

3つのサービス
Three Services

品質管理
Quality Control

ソリューション
Solutions

アフターサービス
After - sale Service

Microza is manufactured in a controlled environment with strict adherence to quality control procedures that closely monitor materials, molded parts, and assembly. In addition, we endeavor to consistently provide the highest quality products to our customers.

Microza are manufactured at the Fujisawa plant (Shizuoka Prefecture, Japan) and Hangzhou plant (Zhejiang), which are environmentally friendly factories operated in a clean environment with strict considerations given to safety. Our production capabilities assure a reliable high volume supply of quality products.

Microza is highly recognized for its quality and supply capability, and has an unprecedented success of references. The growth of domestic installations in manufacturing processes for microchips, chemicals, automation, pharmaceuticals, food, and other industries is unexplained by competitive UL and M1 exterior door suppliers. Additionally, Microza is continuously expanding overseas market share for large volume municipal drinking water, wastewater, sewage treatment, and power production water processing.

After selling our products, Microza intends to contribute to society by providing a high standard of service. We provide after-sale service directly to our customers, employing our expert engineers through our service organization and support team.

1. 品質管理

2. ソリューション

3. アフターサービス

Asahi Kasei Corporation
Microza
microza

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● Please read the operating manual of each product prior to use.
● Specifications in this brochure are subject to change without notice.
● Customers are requested to consult Asahi Kasei Corp. prior to using the products for any applications different from those described in this brochure or any change from the originally intended application. Applicability may be limited depending on the application.

Export of Microza modules and systems may be subject to governmental regulations and approvals for specific applications. Exporters are requested to adhere to such regulations.

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