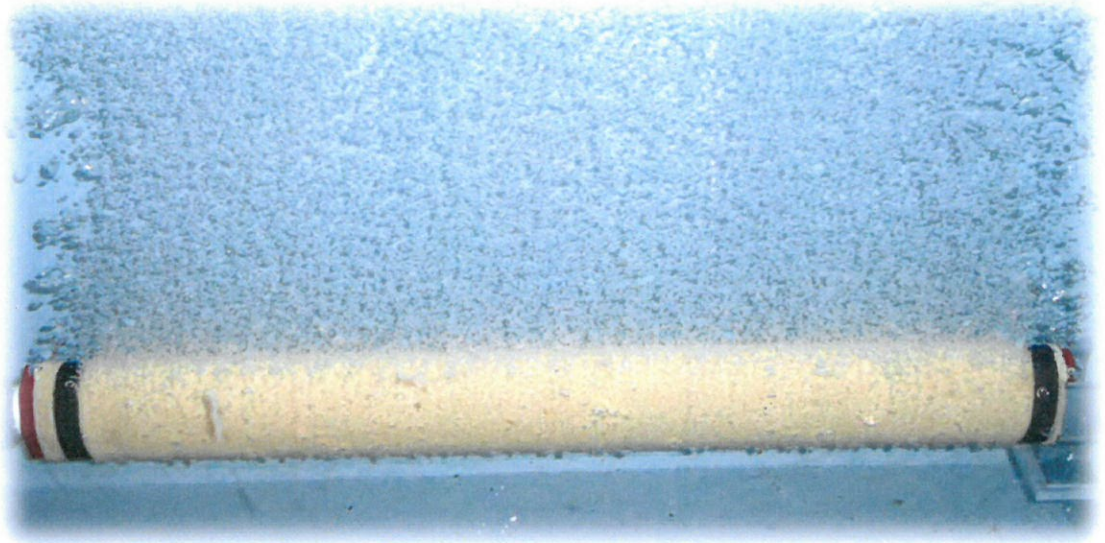


*World's first !
Micro bubble diffuser with
polyurethane elastic fiber*

Cloth Diffuser



A large amount of microbubbles
are generated through a fiber structure
with interwoven special stretch polyurethane.

Patent pending

/// Kansaikako Co., Ltd.

◆ Features of Cloth Diffuser

1

Stretch fiber is used.

We developed a suitable fabric for a diffuser such as a stretch fabric by combining various synthetic fibers in collaboration with Teijin Frontier Co.,Ltd.

2

Low pressure loss, energy saving

Pressure loss is lower than conventional products and power consumption is suppressed.

3

A larger amount of microbubbles

A large amount of microbubbles are generated through each mesh of the fabric and high oxygen dissolving efficiency is realized.

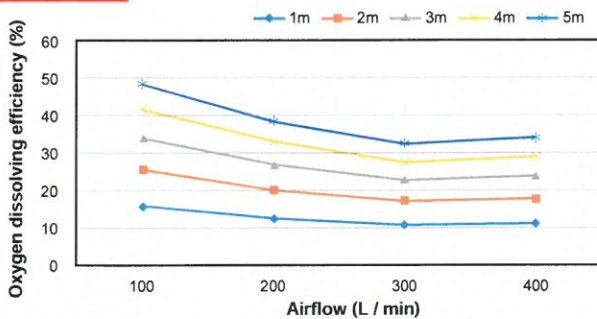
4

Clogless

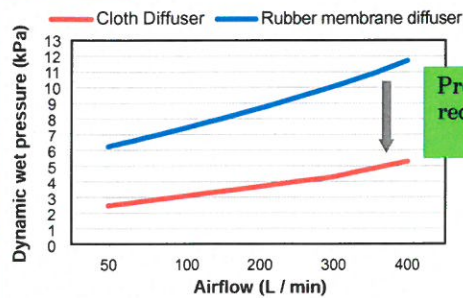
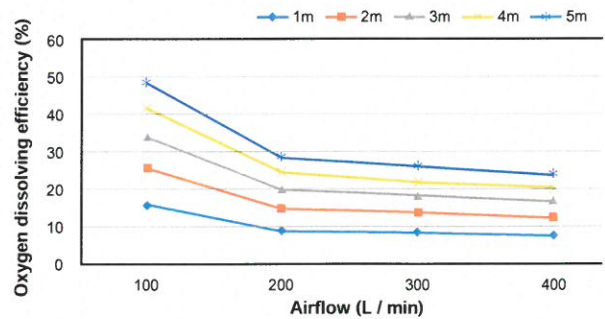
Sludge intrusion is prevented as the texture becomes dense when the diffuser is stopped. Fine bubbles are generated as the texture(of elastic fabric) becomes coarse when diffusing.

◆ Performance comparison

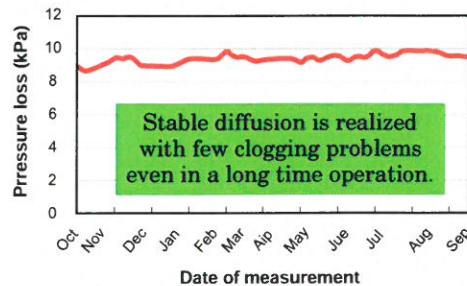
Cloth Diffuser



Rubber membrane diffuser



Pressure loss is reduced to one-half.



Stable diffusion is realized with few clogging problems even in a long time operation.

* Measurement in clear water (20°C, 1 atm.)

Change in pressure loss during an operation of the Cloth Diffuser in a sludge.

◆ Specifications

Model	Dimensions (mm)	Weight (kg)	Standard airflow (L / min)	Connection port diameter	Foundation material	Fixture material
KCD-010-600	φ 60×600L	0.8	100-300	25A	PVC	SUS304

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