

# CERAMIC SiC DISC

SiC ceramic membrane disc based  
on 20 years of experience



## High Performance Ceramic SiC Discs

**The high flux silicon carbide membrane disc from LiqTech is designed for removal of high suspended solids.**

LiqTech is one of leading manufacturers of SiC ceramic membrane products and has a long-term experience in dynamic crossflow filtration. The ceramic disc is based on silicon carbide (SiC) membrane technology and is designed for removal of suspended solids as well as oil droplets and/or process water in wastewater applications.

Our dynamic, high-flux membrane discs filtration path direction is outside-in, with internal permeation channels that facilitate removal of the solids. A crossflow effect is generated through the rotation of the discs at high velocities that enables flow cleaning of the filter membrane surface. This principle offers energy savings that can exceed 80% compared to conventional cross flow.

**LiqTech ceramic disc has superior properties:**

- Highest flux for any membrane material on the market
- Chemically inert (pH 0-14)
- Thermally resistant up to 800°C
- Extremely durable and hard material
- Lowest fouling tendency for any ceramic and polymeric membrane
- Hydrophilic material (water loving)



# Superior Ceramic Disc

## FEATURES & BENEFITS

- ✓ Microfiltration & ultrafiltration
- ✓ Outside-to-inside filtration
- ✓ Unmatched flux
- ✓ Long service life
- ✓ High level of solid content usage

## APPLICATION AREAS

- ✓ Manure and digester effluent
- ✓ Landfill leachate
- ✓ Galvanic wastewater
- ✓ Water and PEG recovery in semiconductor industry
- ✓ Oil sludge
- ✓ Algae concentration
- ✓ Others

# Product specifications

## CERAMIC DISC 1

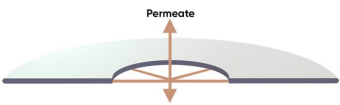
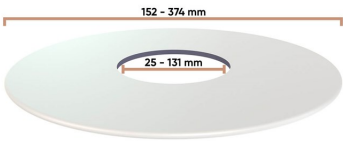
Outer diameter (OD)	152 mm
Inner diameter (ID)	25 mm
Thickness	4 - 10 mm
Pore sizes	1 µm / 0.2 µm

## CERAMIC DISC 2

Outer diameter (OD)	374 mm
Inner diameter (ID)	91 mm
Thickness	4 - 10 mm
Pore sizes	1 µm / 0.2 µm

## CERAMIC DISC 3

Outer diameter (OD)	374 mm
Inner diameter (ID)	131 mm
Thickness	4 - 10 mm
Pore sizes	1 µm / 0.2 µm



## Contact Sales



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