

OXYDISC® MEMBRANE DISCS

Assemble pre-punched hydrophobic or hydrophilic membranes easily into a housing

OxyDisc® die-cut membrane discs can be produced using either hydrophobic or hydrophilic membranes. These membranes can be easily handled and mounted using multiple assembly options to suit a variety of industries.

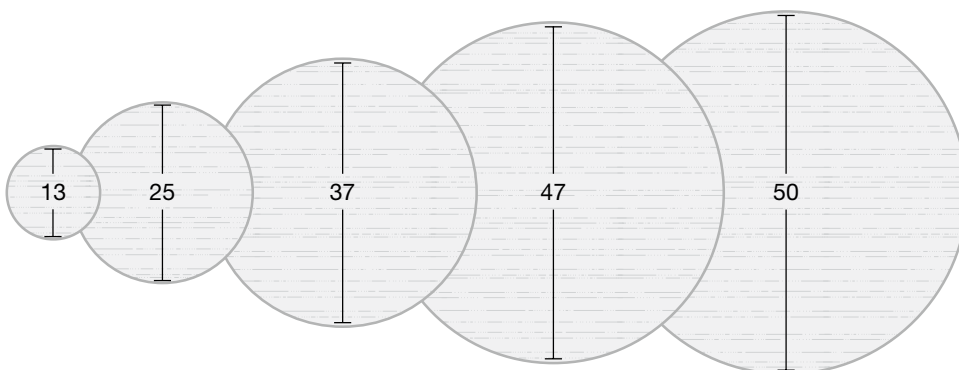
The discs can be manufactured on a liner for use in high-speed processing systems or in individual blister packagings. Based on customer requirements, Oxyphen offers both standard as well as customized shapes and dimensions which can be adjusted by porosity and pore-size to provide unmatched flowrate and back-pressure performance.

Oxyphen offers both our UniqueMem® (unlaminated) and RoTrac® (includes an additional non-woven support layer) track-etched membrane solutions which are available in disc formats.

Key Benefits

- Ideal for a disposable solution
- Various mounting options, such as welding, clamping and sticking
- High precision and accurate flow control
- Consistency of lots
- Smooth surface facilitates effortless regeneration of the surface in filtration applications
- No loading of the membrane
- 100% Free of PFOA: Compliant with (EC) 1907/2006 REACH / Regulation (EU) 2019/1021 POP

Standard Product Sizes (mm)



Notes:

Other dimensions are available on request

Material Options

PET with no lamination

PET with lamination of PET or PP (hydrophilic or hydrophobic)

Available Options

Temperature range without lamination	- 40 + 160° C
Temperature range with lamination	- 40 + 135° C
Hydrophilic treatment	Yes
Hydrophobic/ Oleophobic treatment ¹	Grade up to 7.5; AATCC TM 118
- Salt spray resistance test ²	According to IEC 60068-2-52
- Temperature resistance test ¹	In accordance with ISO 16750-4
- Ice water shock test ^{1&2}	In accordance with ISO 16750-4
- Climate resistance test	In accordance with ISO 16750-4
- Chemical resistance test ¹	According to LV124/ ISO 16750-5
- IP Protection ¹	IP 64/65/66/67/68, according to DIN 40050

¹ Testing in progress

² Based on customer validation



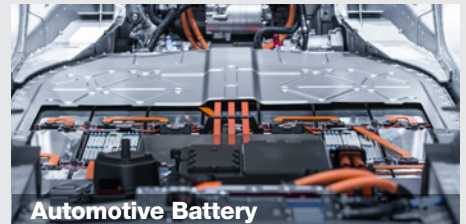
Membrane Technologies Available

- Unique-Mem® track-etched membrane technology
- RoTrac® track-etched membrane technology
- Fiber-based membrane technology

Related Applications



Automotive



Automotive Battery



Healthcare



Industrial



Diagnostics