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**SpinTek Ceramic™ Td Membrane Disk SS316L / 3CSB**

Nominal Pore Size: 0.5µm  
Per ASTM F 316: max pore size ~ 2.0µm (see note 1 below)

Flow Rate:  
Distilled water at Trans Membrane  
Pressure of 2.0 kg/cm<sup>2</sup>: Nominal flow rate of 7000±15%  
liter/(hour meter<sup>2</sup>)

Dimensions of SpinTek Ceramic™ Td Membrane:

Diameter:	<u>Outside: 269.9 mm, Inside:57.9 mm</u>
Total m <sup>2</sup> of filtering area:	<u>0.054 m<sup>2</sup></u>
Attachments:	<u>none</u>
Thickness:	<u>200µm±20µm</u>

Additional Notes:

1. Visual Bubble Point Testing was conducted in accordance with ASTM (American Society for Testing and Materials) standard F316-86 (Standard Test Methods for Pore Size Characteristics of Membrane Filters by Bubble Point and Mean Flow Pore Test), test method A, paragraph 7.3, using 98% ethanol. Results of this test using a 47mm diameter disc made from this production lot indicates that, per paragraph 4.2, the "bubble point" pressure ("pressure required to blow the first continuous bubbles detectable by their rise through a layer of liquid covering the filter") is 0.45 kg/cm<sup>2</sup>. Foam all over bubble point, which indicates the mean pore size, was at a substantially higher pressure of 1.76 kg/cm<sup>2</sup>; this equates to a nominal pore size as reported at the top of the page.

2. Ceramic layer is approximately 15µm thick; it is the darker of the two sides, sometimes light to dark blue in color, and should face the flow.