# VALISETTE CERAMIC TEST CELL KIT

The Valisette ceramic test cell kit includes a 316L stainless steel housing and is designed for choosing the best cross/tangential flow ceramic membrane for your separation procedure. Each test kit includes:

- 1 Stainless Steel Tubular Housing, 250 x 10 mm ID
- 6 gaskets; 2 each of Viton, EPDM, & Silicone
- 2 clamp ends, DN 38 Specification
- Slots for storing up to 8 tubular ceramic membranes
- Choice of 4 ceramic membranes (Sold Separately)

The Valisette ceramic test cell unit is designed to work with tubular ceramic membranes at a recommended re-circulating flow rate between 200 and 600 liters/hour. Additional laboratory filtration equipment required includes a feed flow pump, tubing, and a storage tank. The Valisette ceramic test cell kit can be used with the Inside Ceram (active layers vary by porosity) or Filtanium (titaniam oxide) ceramic membranes. Additional membranes are also sold separately in customizable packs of four. A combination of cutoffs is optimal. These ceramic membranes are available in microfiltration, ultrafiltration, and nanofiltration varieties.

**APPLICATIONS:**

- Concentration or sterilization for: cells, yeast, fungi, bacteria, enzymes, or amino acids
- Separations of: micro-organisms and culture medium or active ingredients.
- Continuous fermentation

## TUBULAR CERAMIC MEMBRANES

| Specification | Inopor | MicroKleansep™ | TAMI Valisette |
|---|---|---|---|
| **Membrane Type** | Inopor® (1360038) | MicroKleansep™ | Filtanium and INSIDE CeRAM™ |
| **Housing Material** | Stainless Steel | Stainless Steel | Stainless Steel |
| **Recirculation Rate** | 600-2000 l/h | 200 l/h | 200-600 l/h |
| **Operating Pressure** | 25 bar | 6 bar | 10 bar |
| **Operating Temperature** | 100°C | 85°C | 95°C |
| **Wetted Materials** | FFKM O-rings | FFKM O-rings | EPDM and Silicone gaskets |
| **Connections** | Retentate: 1/2" FNPT<br>Permeate: 1/2" FNPT | Retentate: Clamp DN25<br>Permeate: 1/4" BSP | Retentate: Clamp DN38<br>Permeate: Hose barb |
| **Applications** | • Oily Water Separation<br>• Sterilization of Milk and Whey<br>• Disposal of Fat Emulsions<br>• Recovery of Pharmaceuticals and Pesticides<br>• Decolorization of Hot and Corrosive Waste Water | • Bio-based formulations<br>• Chemical and pharmaceutical processes<br>• Oily water Separation<br>• Recycling of produced water<br>• Beverage Filtration<br>• Organic Solvent Processing | • Water potabilization<br>• Pharmaceutical processes<br>• Oily water Separation<br>• Food and Beverage<br>• Fermentation Products<br>• Water Effluents |

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