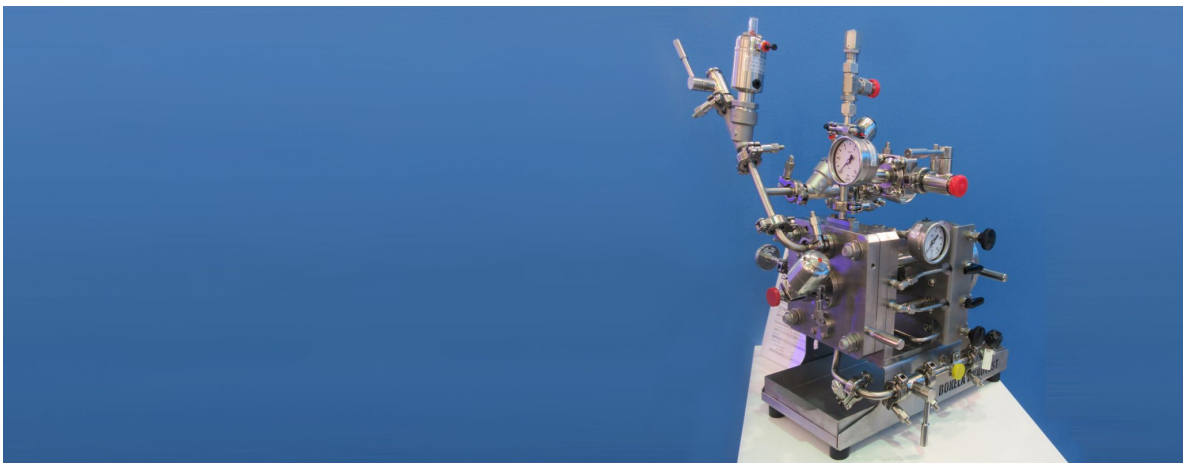

# LABORATORY TESTS IN CROSSFLOW FILTRATION

BoCrossTest – Testing crossflow filtration in a comprehensive but simple way.

## BoCrossTest in action

BoCrossTest allows small sample quantities to be analyzed for filtration behavior under crossflow conditions - both for general crossflow filtration such as filtration in tubular membranes but especially for a dynamic crossflow filtration at higher shear rates and higher particle loadings.

For various suspensions and filter media (polymeric membranes, metal mesh, ceramic membranes), the possibilities of crossflow filtration can be determined regarding

- thickening
- washing

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- sieving.

BoCrossTest supplies the filtration parameters important for a filter layout, such as

- pressure
- rotor speed
- range of concentration
- flow rate.

## Technical data

| Version | Complete | Basic |
|---|---|---|
| **Filter area** | 0.013 m² | |
| **Material** | Filter: 1.4404 / Frame: 1.4307 / Sealing: Viton | |
| **Filtration pressure** | max. 10 bar | max. 6 bar |
| **Operation temperature** | max. 170 °C | max. 95 °C |
| **Sizes (L × W × H)** | 736 × 585 × 628 mm | 639 × 334 × 581 mm |
| **Weight** | 54 kg | 48 kg |
| **Drive** | 0.55 kW / IP 55 / Eex d IIC T4 | |
| **Mechanical seal** | Double acting mechanical seal | |
| **Operation mode:**<br>**membrane filtration**<br>**sieve filtration with intermittent backwashing** | <br>yes<br>yes | <br>yes<br>no |
| **Cooling of filter housing** | yes | no |

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