



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
- 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 m ²
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 x W x H)	736 x 585 x 628 mm	639 x 334 x 581 mm
Weight	63 kg	48 kg
Drive	0.55 kW / IP 65	0.55 kW / IP 65
ATEX (optional)	II/3G Ex h IIB T3 Gc X	no
Mechanical seal	Double acting mechanical seal	
Operation mode:		
membrane filtration	yes	yes
sieve filtration with intermittent backwashing	yes	no
Cooling of filter housing	yes	no

