

Technical Data Sheet

Separation Cassette AK-O PPF

PRODUCT PHOTO



Property	Value
Short Description	The high-performance stainless steel separation cassette with PP fibre is designed for filtration applications, particularly in oil and emulsion mist separation. It combines a robust construction, flexible size adaptation, multiple optional design variants, and a flow-optimised knitted mesh structure for reliable separation efficiency.
Typical Application Area	Oil and emulsion mist separation; Industrial filtration; Medical technology
Contaminant	Particulate contaminants; Liquid contaminants; Gaseous contaminants
Flow Characteristics	Optimisable to a limited extent for defined pressure drop specifications and conditionally adaptable to flow-critical installation situations
Filter Medium	TD - Technical knitted wire mesh
Wire Material	1.4301 with PP fibre
Wire Diameter	Ø 0.28 mm / 6.3 Nm
Filter Medium Combinations	Yes
Standard Classification	ISO Coarse
Separation Efficiency	Medium - high
Packing Density	200-300 kg/m³
Cover Material	1.4301
Cover	Expanded metal, wave grid
Frame Material	1.4301
Frame Geometry	Rectangular
Frame Design	1- or 2-piece, depending on filter size
Frame Joining Process	Welded
Frame Length	Max. 1000 mm
Frame Width	Max. 700 mm
Frame Height	10 - 100 mm
Frame Diameter	—
Frame Leg Length	20 mm; from frame size 700 x 450: leg length = 25 mm

Doc. No.:	TDB-AK-O-PPF-001		
Created by/on:	OR / 25.06.2026	Revision:	000
Approved by/on:	RR / 25.06.2026	Revision Date:	25.06.2026

Property	Value
Frame Sheet Thickness	1 mm
Surface Finish	Untreated (except weld seam)
Drain Opening	Optional Ø 10 mm
Number of Drain Openings	Max. 8
Drain Opening Position	2x per side
Handle	One handle (optional)
Handle Material	1.4301
Handle Position	Optional on short or long side, at the end face
Handle Mounting	Pre-drilled holes, self-assembly (handle included)
Laser Engraving	—
Snap-in Brackets	—
Slide-in Sheets	—
Enclosures	—
Additional Accessories	—
Customisation Level	Medium

Doc. No.:	TDB-AK-O-PPF-001		
Created by/on:	OR / 25.06.2026	Revision:	000
Approved by/on:	RR / 25.06.2026	Revision Date:	25.06.2026