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# Technical Data Sheet

## Separation Cassette AK-H F

PRODUCT PHOTO

| Property | Value |
|---|---|
| **Short Description** | The high-performance stainless steel separation cassette is designed for finer filtration and pre-separation applications.<br>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** | Industrial filtration (coalescence/aerosol separation); Medical technology |
| **Contaminant** | Particulate contaminants; Liquid 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 |
| **Wire Diameter** | Ø 0.28 mm |
| **Filter Medium Combinations** | No |
| **Standard Classification** | ISO Coarse |
| **Separation Efficiency** | Medium - high |
| **Packing Density** | 175-250 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 |



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|---|---|
| **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 |