

Horizontal plate filter

Radium

KASAGRadium®

Radium® horizontal plate filters are sheet filters with a package of round, filter elements stacked on top of each other in a closed and absolute pressure-tight vessel. They allow for safe and riskless working with toxic, inflammable and aggressive liquids.



Benefits of the Radium® horizontal plate filter

- Closed, pressure-tight system.
- Safe working with toxic, inflammable and aggressive liquids.
- Proper cleaning and sterile work technique
- Consistent product quality and reliability
- Optimised fluidic structure
- Stable, homogeneous filter cake
- Flexibility in its use and operation, easily dismantable filter elements
- Quick replacement of the filter package by spare insert
- Time saving by simple handling
- Materials: Austenitic stainless steel (1.4307, 1.4571, ...), fully austenitic stainless steel (1.4539, 1.4828, ...), duplex (1.4462, 1.4410, ...), NiCrFeMo alloys with Ni > 40% (Inconel, Hastelloy, ...)

Technical details

KASAG designs three types of multi-sheet filters for different applications.

Radium® type A: Direction of flow from the inside to the outside

The high flow velocity of the uni-filtrate is maintained until the entry into the filter elements. No deposition even in the case of easily sedimenting solids. Filter elements in stainless steel, special materials, PP and PVDF.

Radium® type B: Direction of flow from the outside to the inside

Provides for the design of very light filter elements which can be easily handled even with large diameters.

Filter package contact pressure, cover lifting device mechanic or hydraulic.

Design size / type	Filter surface	Filter cake volume
RZ 60 A	1.75–8.0 m ²	11.0–105.0 l
RZ 60 B	0.75–12.0 m ²	10.0–175.0 l
RZ 80 B	3.00–23.5 m ²	40.0–425.0 l

Our certifications / manufacturer approvals

ISO 9001 / ISO 3834-2

PED (EN13445 / AD-2000)

ASME (U-Stamp, Code Section VIII Div. 1)

China Stamp (A1), China License

TP TC 032/2013 (EAC), Customs Union

In addition to our existing manufacturing approvals, we are able to perform the respective approval procedures for almost every country around the world (e.g. Singapore, Japan, Malaysia, Canada, etc.).



The closed system for maximum safety



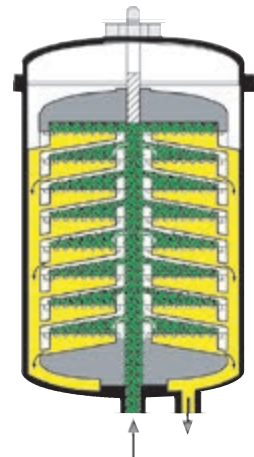
Radium® horizontal plate filter

Application

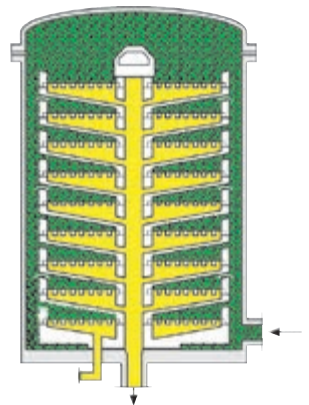
Horizontal plate filter for clarifying filtration as a product or safety filter and for the separation of solids from liquids, highly viscous solutions, liquefied materials, etc., in particular for volatile and highly toxic substances or with high or low temperatures are used in the following fields:

- Chemical process engineering
- Pharmaceutical industry, biotechnology
- Oil mills
- Plant protection
- Paint industry
- Plastics production
- Food industry

e.g. for adipic acid, alginates, alkaloids, alkyd resins, alkyl sulfonates, antibiotics, aromas, candy waste material, cooking oils, caprolactam, caffeine, detergents, dielectrics, diphyll, wire enamels, drug extracts, enamels, enzymes, epikote resins, ferments, varnishes, film casting solutions, glycerine, rubber solutions, hemo derivatives, adeps solidus, honey, invert sugar, cocoa butter, catalysts, adhesives, collodion solutions, synthetic resin varnishes, coating resins, lanolin, solvents, melamine resins, lactic acid, lactose, mineral oil, miscella, morphine, natural resins, organ extracts, PACN, paraffin, plant protection agents, pigmented varnishes, roasting oil, ointment base materials, shellac, grinding oils, sulphur, sparkling wine, silver coatings, cooking oil, magnetic tape coating, transformer oils, fuels, vaccines, waxes, rolling oils, soluble glass, plasticisers, wool grease, citric acid.



Radium A horizontal plate filter
Direction of filtration inside / outside



Radium B horizontal plate filter
Direction of filtration outside / inside