

Multi-sheet filters

Orion / Taurus

KASAG Orion® KASAG Taurus®

Orion® multi-sheet filters are frame filters with square-shaped filter elements in vertical linear configuration – optionally provided with cake frames with a width of 13, 25 or 40 mm. They are equipped with a hydraulic lock to provide for contact pressure of the filter package, a double-acting cylinder with an automatic pressure adjustment control, a pneumatic drive and a control system. The Taurus® multi-sheet filter refers to the design with plastic plates in PP and coatings such as Halar.

Advantages of the Orion® / Taurus® multi-sheet filter

- Optimum safety standards for the personnel and environment with regard to toxic substances, solvent vapours, or high temperatures
- Flexibility and full performance are ensured even for specific applications. We provide an optimum filter package for every application
- Filter package available as stainless steel, PP, PVDF version
- Special designs can be implemented, if requested
- 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.

Orion® Pilot

Orion® / Taurus® CD: Gasket-free filter system
Specially for the filtration of aggressive or oily products and solutions.

Orion® / Taurus® CDG: Gasket-free, closed filter system with gas-tight, mobile protective container

The environmentally friendly closed system prevents endangerment of the personnel by toxic substances, solvent vapours, or high product temperatures as well as the discharge of pollutants to the environment.



Design size / type	Filter plate dimensions in cm
Pilot	20 × 20
CD 40 / 60	40 × 40, 60 × 60
CDG 40 / 60	40 × 40, 60 × 60

Our certifications / manufacturer approvals

ISO 9001 / ISO 3834-2

PED (EN13445 / AD-2000)

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

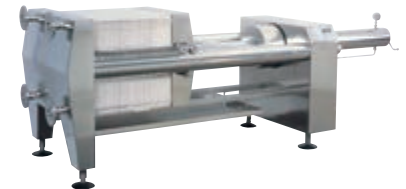
China Stamp (A1), China License

TP TC 032/2013 (EAC), Customs Union

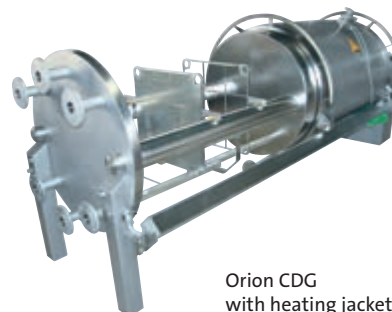
In addition to our existing manufacturing approvals, we are able to perform the respective approval procedures for almost every country around the world (e.g. Singapore, Japan, Malaysia, Canada, etc.).



Pilot



Orion CD



Orion CDG
with heating jacket



Flexible plate filter with simple handling



Orion®/Taurus® multi-sheet filter

Application

Sheet filter for fine and sterile filtration, solid separation and filtration with filter aids in the following fields:

- Chemical process engineering
- Pharmaceutical industry, biotechnology
- Cosmetics
- Photographic industry
- Sugar industry
- Canning industry
- Foodstuff and luxury food
- Chemical-technical products

e.g. for ACD stabiliser, agar-agar, AH salt, albumin, alkaloids, ammonium sulphate solutions, ampule solutions, antibiotics, distilled water, essential oils, bath oil, barium sulphate solution, candy waste material, caprolactam, chromic acid, deodorants, dextran, dibutylphthalate, Eau de Javell, Eau de Toilette, electrolytic baths, enzyme solutions, ergotamine, essences, vinegar, ferments, film casting solutions, liquid fertiliser, liquid soap, liquid sugar, photographic chemicals, galvanic baths, gamma globulin, gelatine, facial toner, tissue cultivation solutions, glucose, glycerine, hairspray, hair tonic, hemoderivatives, skin oils, yeast, cough syrup, vaccines, infusion solutions, insulin, cheese rennet, eau de cologne, copy solution, lanolin, cod liver oil, glue, molasses, menthol, morphine solutions, mouthwash, nutrient solution, sodium chloride solution, sodium hypochlorite, caustic soda, novocaine, organ extracts, oxytetracycline, palladium salts, papain, perfumes, penicillin, plant extracts, aftershave lotion, sera, shampoo, silver coatings, silicone oils, streptomycin, soups, soup seasoning, ink, mascara, vaccines, demineralised water, vitamins, plasticisers, lanolin.

