

INFASTAUB



Breathe The Difference: Pure Air

INFA-LAMELLEN-JET Pleated element filter



INFA-LAMELLEN-JET, AJL / AJLS pleated element filter

The filters INFA-LAMELLEN-JET AJL and AJLS are highly efficient aspiration filters for separation of dry, non-sticky dusts. Filters of this series achieve a maximum filter surface area on minimum space requirements because of their pleated filter elements (filter lamellas). The series is designed for volume flows of approx. 2,000 up to approx. 40,000 m³/h. The exchange of the filter elements is carried out fast and simply via a big frontal maintenance door.

The model AJLS with integrated secondary filter stage (particulate filter cassette in quality H13 according to DIN EN 1822) is used mainly in the chemical and pharmaceutical industry.

The residual dust contents reach down to 0.001 mg/m³. Plain exterior walls make the cleanability of the filter housing easy. For an increased protection the AJLS can additionally be equipped with the "Safe-Change-Light" system. In this case a change collar with plastic bag is fixed around the filter lamella on the clean gas side in order to change the filter elements. With this procedure the filter elements can be pulled into the bag and disposed dust-free.



INFA-LAMELLEN-JET type AJLS
with secondary filter stage

Range of applications

- For central de-dusting of machines and workplaces covering volume flows between 2,000 and 40,000 m³/h (one chamber or multi-chamber filter)
- For separating dusts in the industries food, chemistry, pharmacy, plastics, rocks and minerals, cement/lime/gypsum, energy (combustion power plant) etc.
- For dry and little adhesive dusts and residual dust contents down to 1 mg/m³ (AJL) respectively 0.001 mg/m³ (AJLS)

INFA-LAMELLEN-JET AJL and AJLS as one-, two- or three-chamber filter for special





INFA-LAMELLEN-JET type AJL

Standard design features

- ❑ Closed de-dusting unit consisting of raw gas chamber with dust hopper and supporting legs as well as clean gas chamber with filter elements and pneumatic cleaning unit
- ❑ Housing strength up to +/- 45 mbar g
- ❑ Modular system for flexible adaption to specific applications
- ❑ Change of self-supporting filter elements from the clean gas side
- ❑ INFA-LAMELLEN-JET type AJLS with secondary filter stage (filter cassette) in class H13 (or higher) according to DIN EN 1822, not cleanable

Options

- ❑ Modular supplements and accessories, e.g. dust collecting bin, butterfly valve, rotary valve, double pendulum flap, screw conveyor, level indicator within dust bin, flange-mounted or console-mounted fan, inspection cover
- ❑ All housing parts, internal parts or components in contact with the product / dust are made of stainless steel
- ❑ Explosion protected design according to directive 94/9/EG (ATEX)
- ❑ Pressure-shock resistant design for reduced explosion pressure (e.g. 0.4 bar g or 2.0 bar g) with pressure relief device
- ❑ Electronic control unit for filter cleaning controlled by timing cycle or differential pressure and for additional components (fan, rotary valve etc.)
- ❑ Control system and motors for special voltages, e.g. 500 V
- ❑ Design for hot gases up to 110°C
- ❑ Filter media available in different qualities (e.g food safe according to regulation EU 1935/2005 and EU 10/2011)
- ❑ Sound absorbing kits for use in noise-sensitive environments
- ❑ Electrical heating of the filter housing including thermal insulation

requirements and small installation space; also in pressure-shock resistant design



Economic de-dusting with the pleated element filters AJL and AJLS

- Compact, space-saving construction
- Modern design
- Easy cleanability outside and inside
- Low operating costs, minimized by differential pressure cleaning

Service and maintenance

Infastaub offers professional service - from supply of spare and wear parts to commissioning and maintenance up to modernisation of your filter unit.

In order to maintain operating of your processes and quality of your required de-dusting, correct commissioning of the filter unit is of great importance, especially if it's a matter of safety-relevant or explosive endangered processes.

Commissioning covers an extensive function testing as well as a detailed training of your operating staff.

In order to keep your filter unit in long-term operation, we offer the Infastaub maintenance service with periodic inspections and services for your filter unit.



Commissioning



Maintenance, repair, servicing



Spare parts



Filter media



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