

Product Range

Web Cleaning

Applications for Perfection



From the Inventors of Web Cleaning

Kelva provides a wide variety of made-to-measure web cleaning solutions – contact as well as non-contact.

Specific solutions for newsprint, corrugated board, converting, nonwoven, film, glass, label print (and more), assure you the best web cleaning solution for your industry.

We offer you the benefit of using our know-how gathered in over 30 years experience in web cleaning, building over 6.000 installations worldwide.



Innovations that will
make life easier...

Kelva Vactron

Vactron is especially developed for the operation of large web cleaning installations, in-line and winders in paper and board mills. Vactron is a modular control system, and uses Beckhoff components, which are worldwide available. The system consists of a touch screen, one Cleanflow® cleaner node per web cleaning position and a filter module.



Control of web cleaning equipment by operators

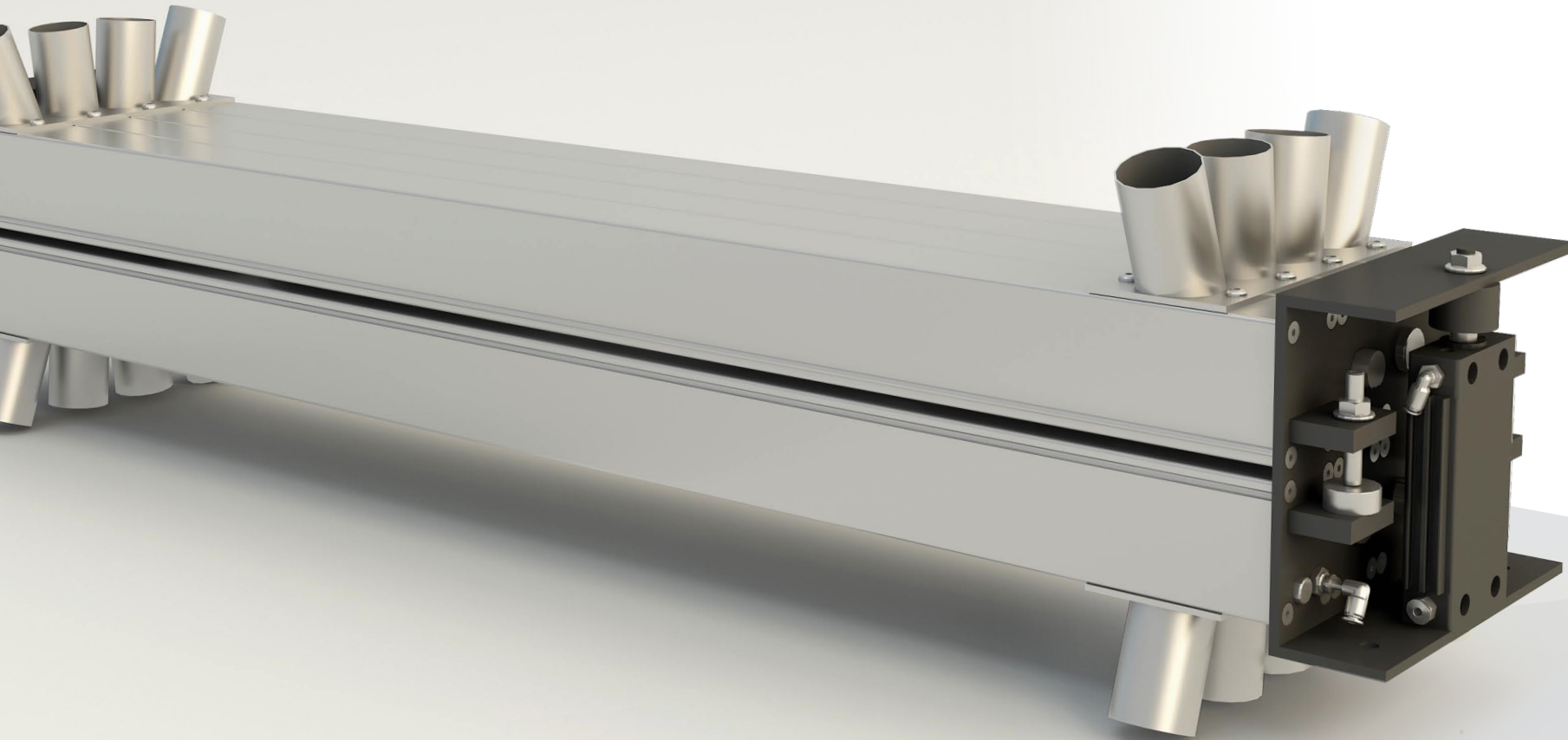
Vactron's touch screen allows system control from almost anywhere, connected to the other components through Ethernet. From the touch screen all operational functions are accessible. The filter module reports parameters, servo control of flow valves and differential pressure guarding. Even a dust level alarm is available. The cleaner node measures the system's most important values, such as pressure and vacuum level. Web detection allows automated control, proximity switches assure that the actual information is correct indeed.

ADVANTAGES OF KELVA VACTRON

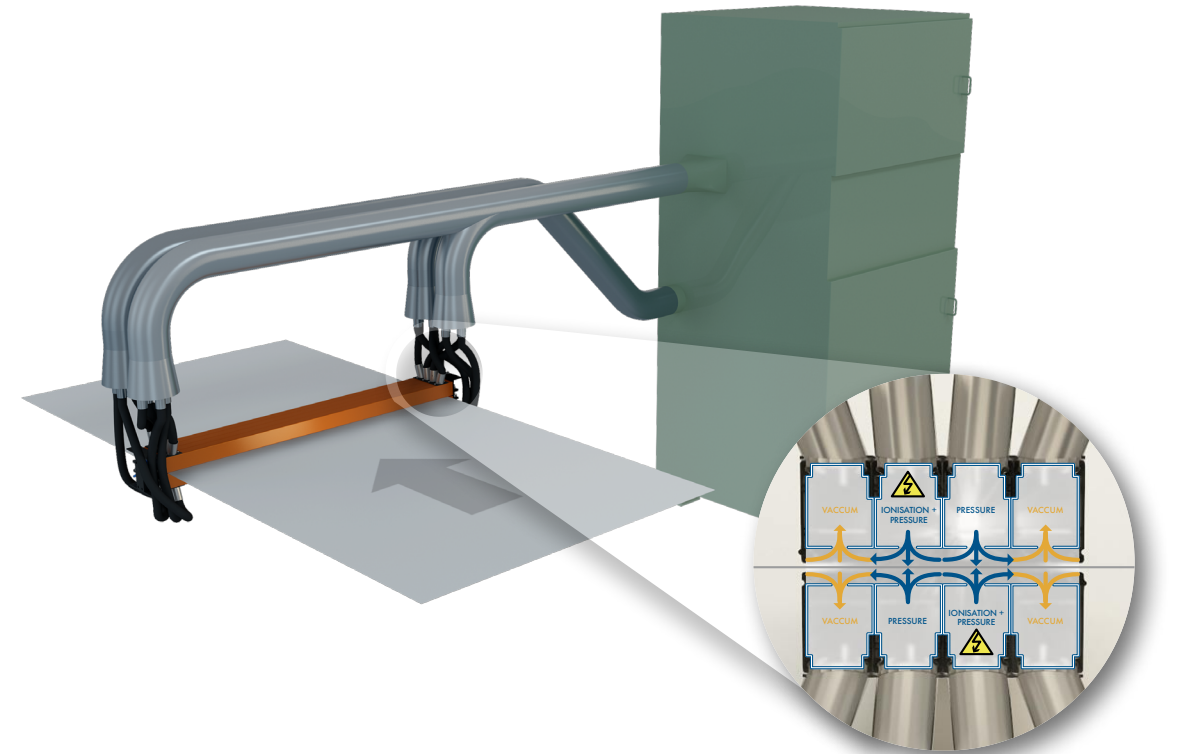
- Control of web cleaning equipment by operators
- Feedback of all system parameters including malfunction warnings
- Trend-logging of air pressures, differential pressure and warnings
- Connection to the factory's Ethernet for easier data read-out to high level computers
- Quality trace-back for ISO
- SCADA line connection possible
- Remote service possible through VPN, including software update

Kelva Non-Contact Web Cleaning

A Kelva non-contact web cleaner consists of a web cleaning device, antistatic equipment, a filter/fan unit and a control unit. Our very own innovation is known as Cleanflow[®]. By using a combination of under-pressure, blown air and ionisation, the web emerges virtually free of dust.



Kelva Cleanflow[®]



ADVANTAGES WITH KELVA CLEANFLOW[®]

- No interference on web guiding or web tension
- No contact damage on the web since the material remains untouched
- Low maintenance costs due to little wear and tear
- Virtually maintenance-free
- Compact design enabling integration into practically any application



Typical installations of Kelva Cleanflow[®] cleaning heads and filter/fan units.

Kelva Web Cleaner Heads

Cleaning heads for wide web applications and higher dust loads

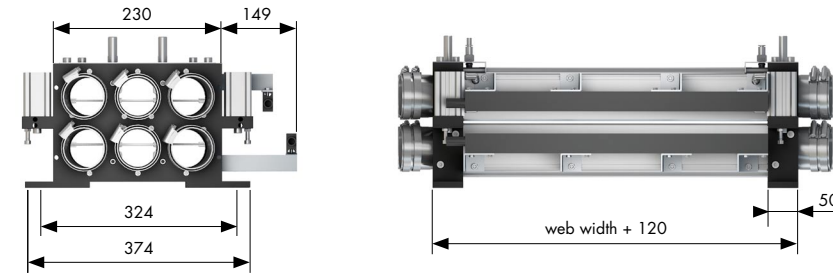
Cleaning heads for narrow web applications or lower dust loads

HS65 / HS65 BT



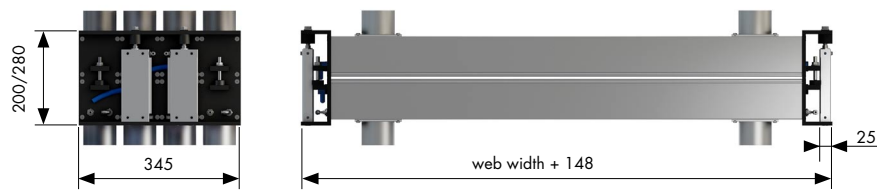
HS65 Standard cleaning head for web width <2000 mm
Integrated ionising equipment
HS65BT Version with integrated brushes for sticky dust.
Rec. filter/fan unit AFF-K

BR51



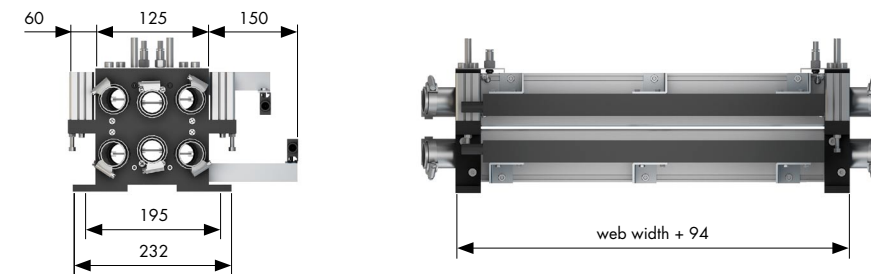
BR51 Cleaning head for film, foil and textile applications, web width <2000 mm. External ionising equipment.
Rec. filter/fan unit K55/K75/AFF-K

HS85 / HS85 BT



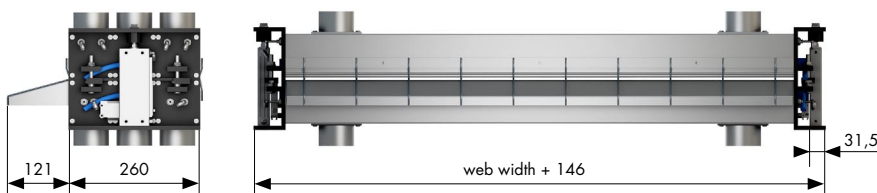
HS85 Standard cleaning head for larger web widths, >2000 mm and/or larger dust loads.
Integrated ionising equipment
Rec. filter/fan unit AFF-K/AFF-I
HS85BT Version with integrated brushes for sticky dust.
HS85GC Glass cleaner.
HS85TC Tissue/Nonwoven cleaner.

BR41 / BR54



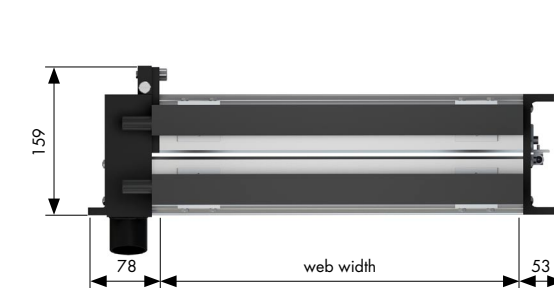
BR41 Cleaning head for paper and board applications, web width <1200 mm. External ionising equipment.
BR54 Cleaning head for film, foil and textile applications, web width <1300 mm. External ionising equipment.
Rec. filter/fan unit K15-K30

ST85 CC



ST85 CC Corrucleaner. Version developed for corrugated board applications. Integrated ionising equipment.
Rec. filter/fan unit AFF-K/AFF-I

BR43

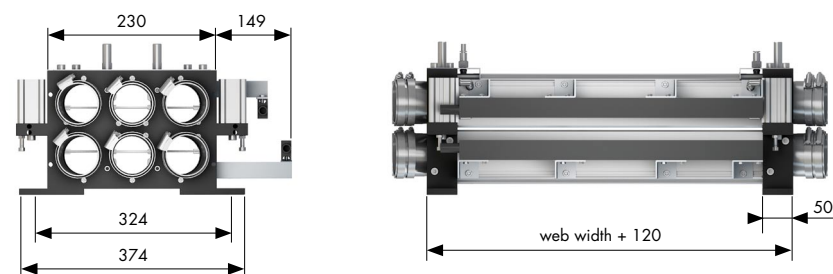


BR43 Cleaning head for paper and board applications, web width <450 mm. External ionising equipment.
Rec. filter/fan unit K15

ST65 / ST85

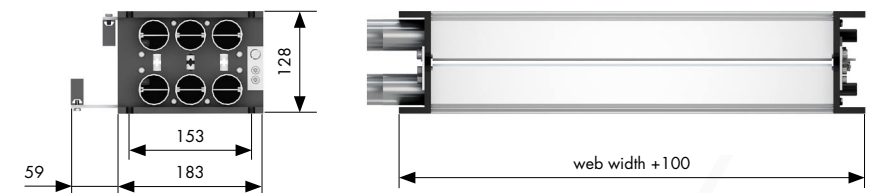
3-channel version for installation with limited space available.

BR31



BR31 Standard cleaning head for web width <2000 mm
External ionising equipment.
Rec. filter/fan unit K55/K75/AFF-K

BR45

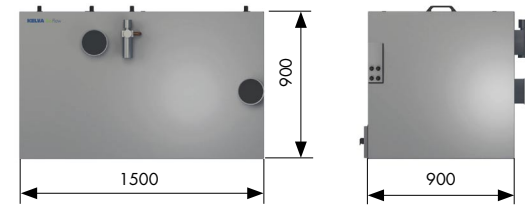


BR45 Cleaning head for paper and board applications, web width <1200 mm. External ionising equipment.
Rec. filter/fan unit K22-K30

Kelva Filter/Fan Units

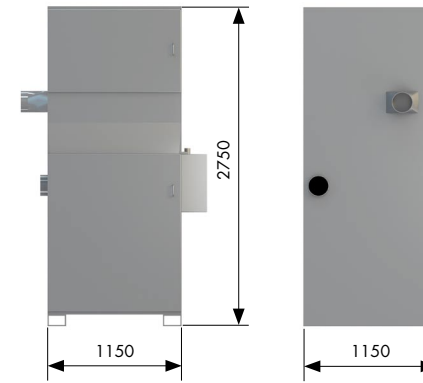
for wide web applications

- Automatic on-line cleaning, compressed air
- Integrated high pressure fan
- Anti-static filter media
- Dustbin
- Control cabinet for automatic operation



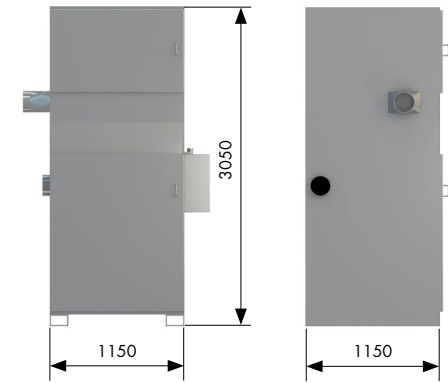
ECOFLOW

Compact unit, with 12 m² filtration area. Maximum airflow 800 m³/h. Fan motor size 3 kW.



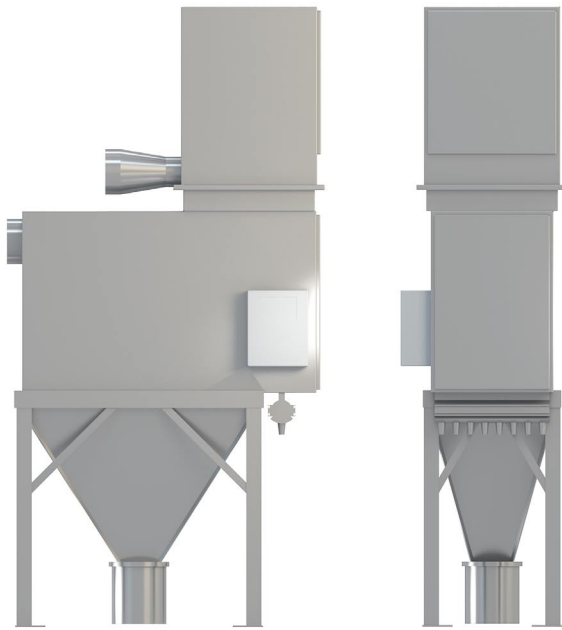
AFF-K29

29 m² effective filtration area. Maximum airflow 1.750 m³/h. Fan motor size 7,5 kW



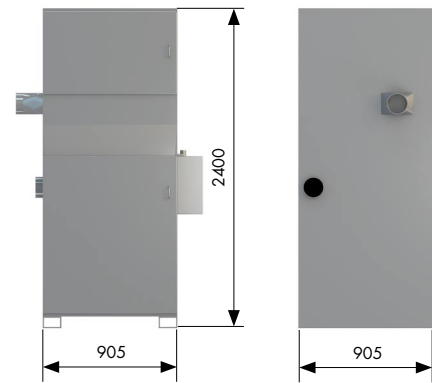
AFF-K34

34 m² effective filtration area. Maximum airflow 2.050 m³/h. Fan motor size 11 kW.



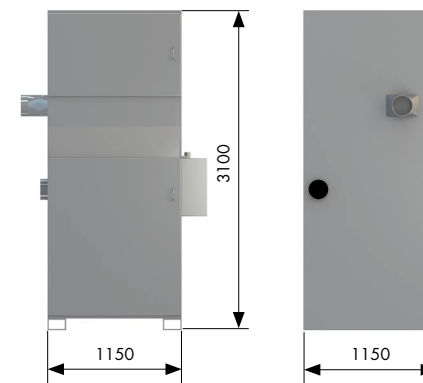
AFF-I

Made to measure with filter areas from 50 m² and air flows from 3000 m³/h depending on applications. Integrated or separate fan units.



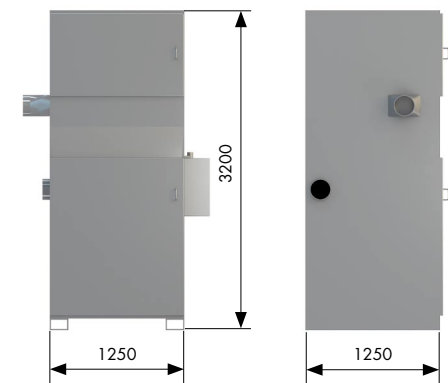
AFF-K08/17

Compact unit, with 8 or 17 m² effective filtration area. Max. Airflow 550 or 1050 m³/h. depending on application. Fan motor size 3 or 4 kW.



AFF-K42

42 m² effective filtration area. Maximum airflow 2.550 m³/h. Fan motor size 11 kW.



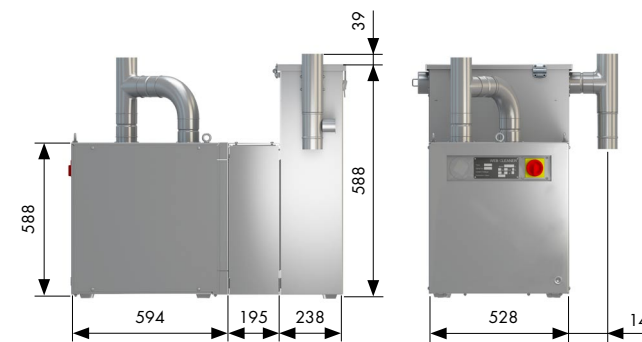
AFF-K50

50 m² effective filtration area. Maximum airflow 3.000 m³/h. Fan motor size 15 kW

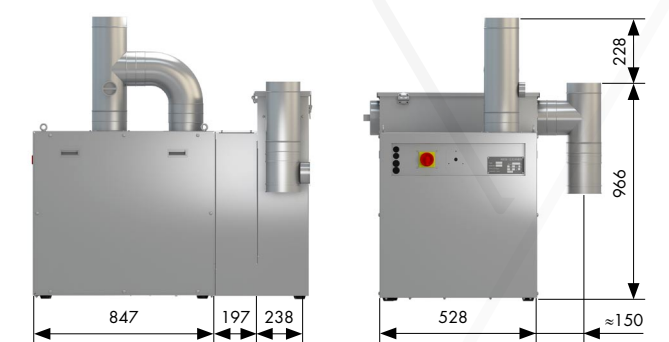
Kelva Filter/Fan Units

for narrow web applications
or lower dust loads

- Compact design
- Manual cleaning
- Microfilter as option (except for K15)
- Control box for automatic operation
- Motor sizes 1,5 – 7,5 kW



K15/22



K30 / K55 / K75

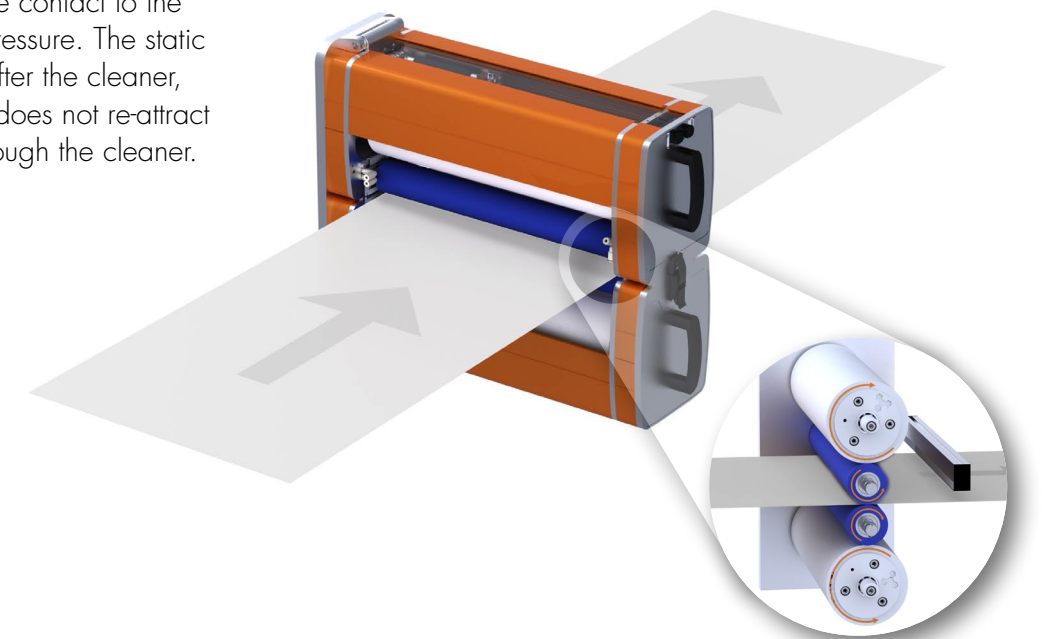
Kelva Contact Web Cleaning

Less dust equals higher quality. Hence the Kelva contact web cleaning solution; a suitable choice for coated (glossy) paper, film and foil with low dust levels and intermittent production.



Kelva Contact Web Cleaning

A Kelva contact web cleaning system consists of a single or double-sided cleaning unit with active antistatic equipment. Specially formulated polymer rollers lift and transfer contaminants from the web surface to easily replaceable adhesive rolls. The polymer roller is shaped to ensure extremely close contact to the web – even at low pressure. The static discharger, located after the cleaner, assures that the web does not re-attract dust after passing through the cleaner.



ADVANTAGES WITH KELVA CONTACT WEB CLEANING

- Compact and easy to use
- Silent operation
- Easy to detect web contamination
- Pneumatic operation
- Web speed up to 400 m/min
- Web widths up to 2500 mm



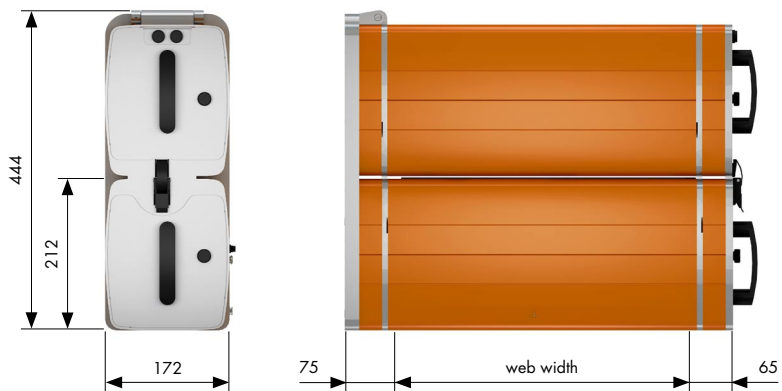
Typical installations of Kelva CWC contact cleaners.

Kelva Contact Web Cleaners

COMMON FEATURES:

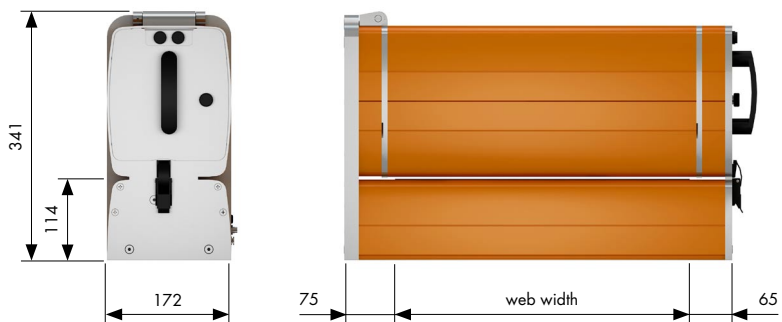
- Compact design
- Easy access for maintenance
- Integrated ionising equipment
- Operation from control box/push buttons on cleaner
- Pneumatic release of rolls
- Efficient deliveries of spare parts and consumables

CWC-D



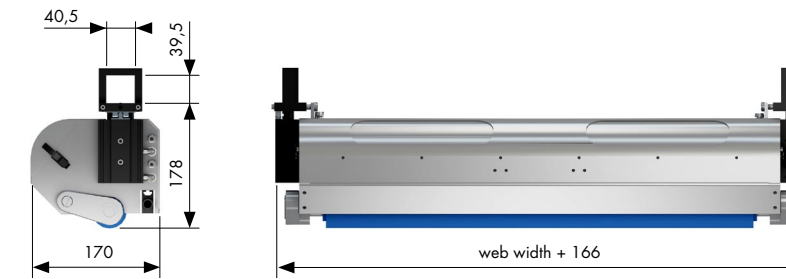
CWC-D Double-sided contact cleaner for web widths 250 – 700 mm. Access from side, pull-out design.

CWC-S



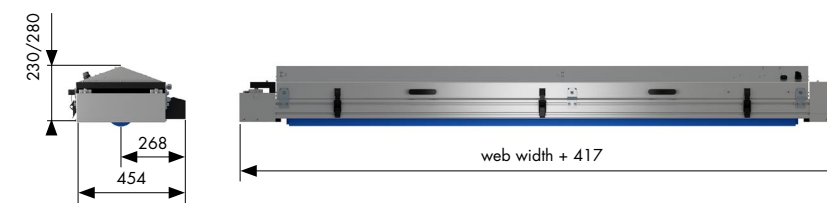
CWC-S Single-sided contact cleaner with support roll for web widths 250 – 700 mm. Access from side, pull-out design.

LC



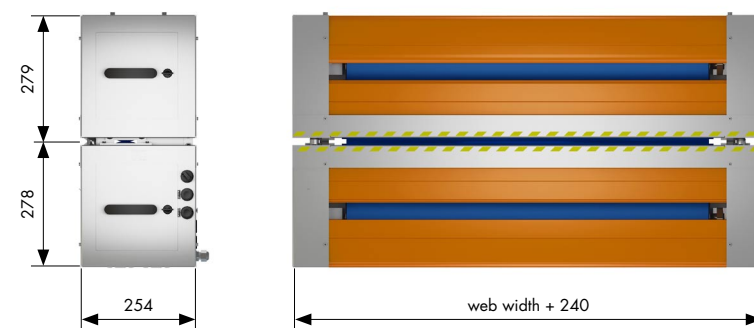
LC Single-sided contact cleaner for web widths 200 – 1300 mm. Front/top access to adhesive rolls.

LCW



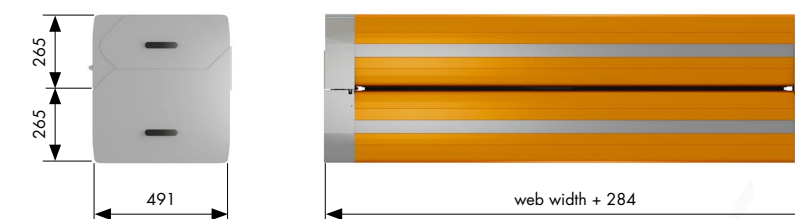
LCW Single-sided wide web contact cleaner. Two adhesive rollers. Web widths 1400 – 2500 mm. Front/top access to adhesive rolls.

WWC



WWC Double-sided wide web contact cleaner. Web widths 700 – 1300 mm. Access from side, pull-out design.

WWCMR



WWCMR Double-sided wide web contact cleaner. Two adhesive rollers on each side of the web. Web widths 1400 – 2100 mm. Access from side, pull-out design.

Where the Relationship Begins

No company should expect anything but quality support from their suppliers.

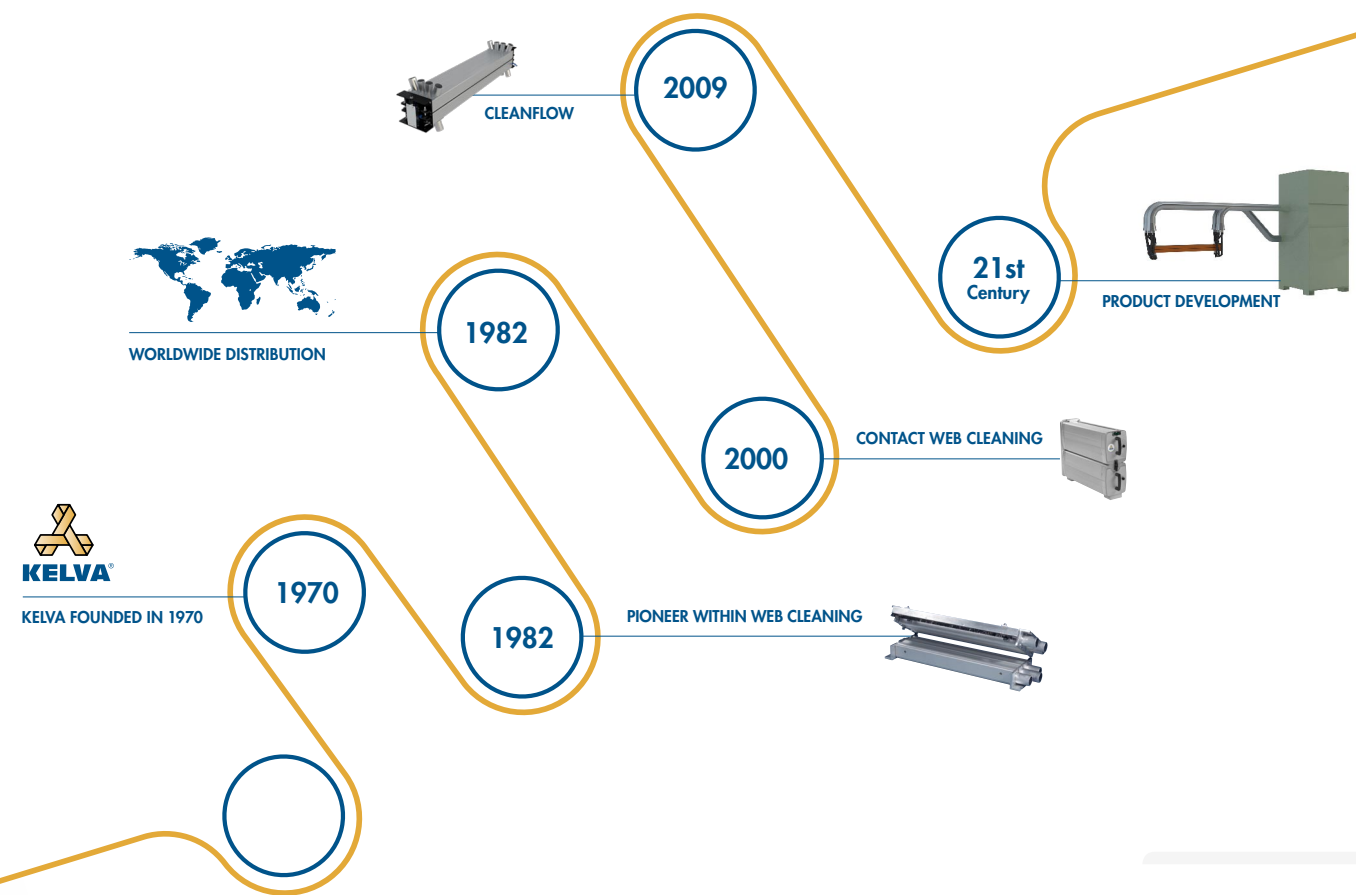
Problem-free and safe productions are the guiding principles throughout our entire product portfolio.

To reduce downtime and ensure best installation performance, Kelva offers efficient and cost effective CUSTOMER specific service contracts.



OTHER PRODUCTS

Besides a complete selection of high quality web cleaning systems, we also offer membrane pumps, complementary products and spare parts. The Kelva distributor network is wide and vast, and offers customer adapted solutions wherever required.



6000 and counting – a brief history

Founded in Sweden in 1970 as a branch of the Åkerlund & Rausing packaging company, Kelva developed air operated solutions for web tension, pumping of liquids and level measurements for explosion hazardous environments, being a pioneer in the ATEX-field. Since the early eighties Kelva is a member of the Swiss company group Prografica AG, a strong and well-known supplier to the graphic industry in central Europe. Prografica AG also forms a strategically important part in our global network.

Get the level of cleaning that is needed to achieve your goals as Kelva offers the best cleaning in relation to investment, noise and energy consumption. Worldwide presence by either own offices, companies in the same group or skilled distributors and agents, assure you of the best solution and support available.

World Wide Web Cleaning

Customer Needs – Top Priority

- Highest Quality
- Individual Solutions
- Increased Productivity
- Less Contamination
- Healthier Working Environment



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