Food & Pharma

Vacuum System Overview



CLEAN INDUSTRY





When Clean Is Not Enough.

The Food and Pharma Industry have special requirements. Control of components and equipment used in production is extreme, with a special focus on migratory risk, surface finish and antistatic properties.

Dustcontrol has designed and installed many complete source extraction systems to the food and pharma industry. Each system has been unique and several have been designed to be installed in zone 22 according to ATEX Directives 2014/34/ EU.

With our unique suction brushes and a complete source extraction system with all materials approved for food and pharma contact. We are proud to offer our customers a comprehensive Industry solution with a market leading combination of features. It gives us the possibility to discuss and solve issues where systems need to be fully integrated into the production process, including for recycling and much more.

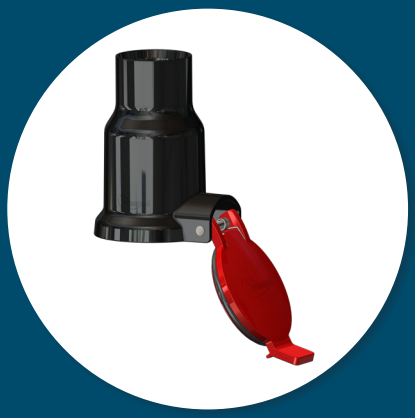
Dustcontrol designs and installs complete source extraction systems in close co-operation with our customers. Our source extraction systems can be fully integrated into the production process for recycling or used for efficient and neat centralised vacuum cleaning.



Clean Industry by Dustcontrol

We are now launching centralised vacuum systems for a clean industry. A flexible system where all parts are approved for food contact. Hygienic design. Easy to clean. Our source extraction systems can be fully integrated into the production process for recycling or used as a centralised vacuum cleaning system.

We call it Healthy Business.



Flap Valve

- Colour coded
- Food safety and FDA compliant
- Autoclavable
- Metal detectable
- ESD, antistatic



Tubing System

- Stainless steel in quality 1.4404
- Alterations and additions are easy to implement



Suction Brushes, Flat Nozzles and Hose Connectors

with unique combination of features

- Colour coded
- Food safety and FDA compliant
- Autoclavable
- Metal detectable
- ESD, antistatic

Centralised Vacuum Systems



Joints

- Hygienic design, easy to clean
- Food safety and FDA compliant
- Easy to mount



Automatic Shutter Valve

- Hygienic design, easy to clean
- Food safety and FDA compliant
- ESD, antistatic



Pre-Separator

- Efficient reusage of material
- All material approved for food contact
- Stainless steel in quality 1.4404
- Air flow ≤1000 m^3/h



Filter Unit

- All material approved for food contact
- Stainless steel in quality 1.4301
- Air flow ≤1000 m^3/h

A Selection of our Food & Pharma Industry Accessories

Cleaning accessories Ø38, Ø50, Ø76 mm /1.5",2",3"

Flat Nozzles

Flat Nozzles in 5 colours, made in polyproylene, Ø38 mm /1.5".

Part No/Colour	Ø [mm/in]
7472-01	38/1.5
7472-02	38/1.5
7472-03	38/1.5
7472-04	38/1.5
7472-05	38/1.5



Hoses PU

Hoses PU in spring steel wire and permanently antistatic premium-ether-polyurethane (Pre-PUR©), Ø38/Ø50/Ø76 mm /1.5"/2"/3".

Part No/Colour	Ø [mm/in]
44140	38/1.5
44141	50/2
44142	76/3



Hand Pipes

Hand Pipes in stainless steel, Ø38/50mm /1.5"/2".

Part No	Length [mm/in]	Ø [mm/in]	Description
44259	110/4.3	38/1.5	Straight
703502	220/8.6	38/1.5	Straight
7262-02	250/9,8	38/1.5	Curved



Cleaning accessories Ø38, Ø50, Ø76 mm /1.5",2",3"

Suction Brushes

Brush Holder of the Elongated and Round Suction Brushes in polypropylene. Ø38 mm /1.5". Brush Filaments and Inserts in polyamide.

Holders and Inserts Ø38/1.5" (Part No/Colour)

ELONGATED Brush Holder	Brush Insert	ROUND Brush Holder	Brush Insert
77001-01	77901	7471-01	44205
77001-02	77902	7471-02	44206
77001-03	7707 (soft)	7471-03	77005 (soft)
77001-04	7708 (soft)	7471-04	77006 (soft)
77001-05		7471-05	





Turnable Hose Connectors

Turnable Hose Connectors in 5 colours, are made in polypropylene, Ø38/38 mm /1.5"/1.5", Ø50/38 mm /2"/1.5", Ø50/50 mm /2"/2".

Ø38/38 mm	Ø50/38 mm	Ø50/50 mm
22002-01	22001-01	22003-01
22002-02	22001-02	22003-02
22002-03	22001-03	22003-03
22002-04	22001-04	22003-04
22002-05	22001-05	22003-05



Connectors

Connectors in premium-ether-polyurethane (Pre-PUR©), Ø38/Ø50/Ø76 mm /1.5"/2"/3".

Part No/Colour	Ø [mm]
44143	38/1.5
44144	50/2
44143	76/3











We meet the following technical standards

Complete System

(EC) No 1935/2004: Materials and articles intended to come into contact with food.

(EC) No 2023/2006: Good manufacturing practice for materials and articles intended to come into contact with food.

(EC) No 10/2011: Plastic materials and articles intended to come into contact with food.

FDA (Food and Drug Administration)- (21CFR 174-178): Regulations for materials intended to come into contact with food.

FDA 21CFR117.40: Good manufacturing practice for equipment and utensils.

EN 1.4404 / AISI 316L: Stainless and acid-resistant steel.

Healthy Business
Dustcontrol®

www.dustcontrol.com

Suction Brushes

ATEX The term “ATEX” derives from the French “ATmosphères EXplosibles” and refers to atmospheres that are potentially explosive. **EU Directive 1999/92/EC** covers the health and safety of workers in such environments. All equipment marketed in the EU for use in explosive atmospheres with “inherent ignition sources” must fulfil the requirements of Directive **2014/34/EU**.

Autoclavable Suction brushes should be cleaned, as appropriate to their intended use, before use and after use, using the appropriate decontamination chemicals, concentrations, times and temperatures. The suction brushes can be autoclaved up to 121°C.

Colour Coded Colour Coded Suction brushes minimise the risk of cross-contamination. It enables the operator to immediately see if the correct tool is in use for a specific production area or work process. The suction brush holders are available in 5 different colours which may be combined with two different colours of filaments. The filaments are easily exchangeable.

ESD To avoid the triggering of any source of ignition, and making vacuum cleaning operations safe, our brushes have been tested and received approval by RISE (Research Institutes of Sweden) for ESD protective products according to **IEC 61340**.

Detectable The plastic parts of the suction brushes are detectable by conventional metal detection systems used in food manufacturing. Choose the colour (black or white) of the brush filaments to facilitate detection by visual appearance.

Food Safety* and FDA* The vacuum brushes have been tested by Eurofins. The suction brushes comply with the requirements in EU regulation No **10/2011/EC** for plastic material and articles intended to come into contact with food. The product materials meet the requirements of **EU 1935/2004** and **21 CFR 177.1520 FDA regulations**, GRAS.

*Food Safety. For metal and rubber, there are no EU directives. National regulations applies.

