



QUAD PULSE
PACKAGE

- ✓ Compact Design
- ✓ Integrated Explosion Protection
- ✓ BIBO Safe-Change System
- ✓ Easy Installation

QUAD PULSE PACKAGE FAMILY

The compact dry dust collectors of the Quad Pulse Package series are designed for continuous manufacturing processes, handling even high dust concentrations with ease. Featuring pressure shock-resistant, ATEX certified housing, it eliminates the need for explosion venting devices or suppression systems on the unit. The system's advanced online-cleaning function ensures uninterrupted operation, making it the perfect solution for demanding three-shift industrial environments.

QPP PX - CONTAINMENT + ATEX

- Incl. BIBO safe-change system
- For pharmaceutical & chemical applications
- Available with 1 or 2 filter cartridges
- Air volumes up to 1,500 / 3,000 m³/h



QPP DX - ATEX

- Model without BIBO safe-change system
- Suitable for metalworking and eMobility applications
- Available with 1 or 2 filter cartridges
- Air volumes up to 1,500 / 3,000 m³/h



Two Filter Stages:

- Main stage: 1 or 2 filter cartridges, 3 media types available
- Second stage: Flame stopping H14 HEPA filter, IECEx rated

Compact Design, Small Footprint

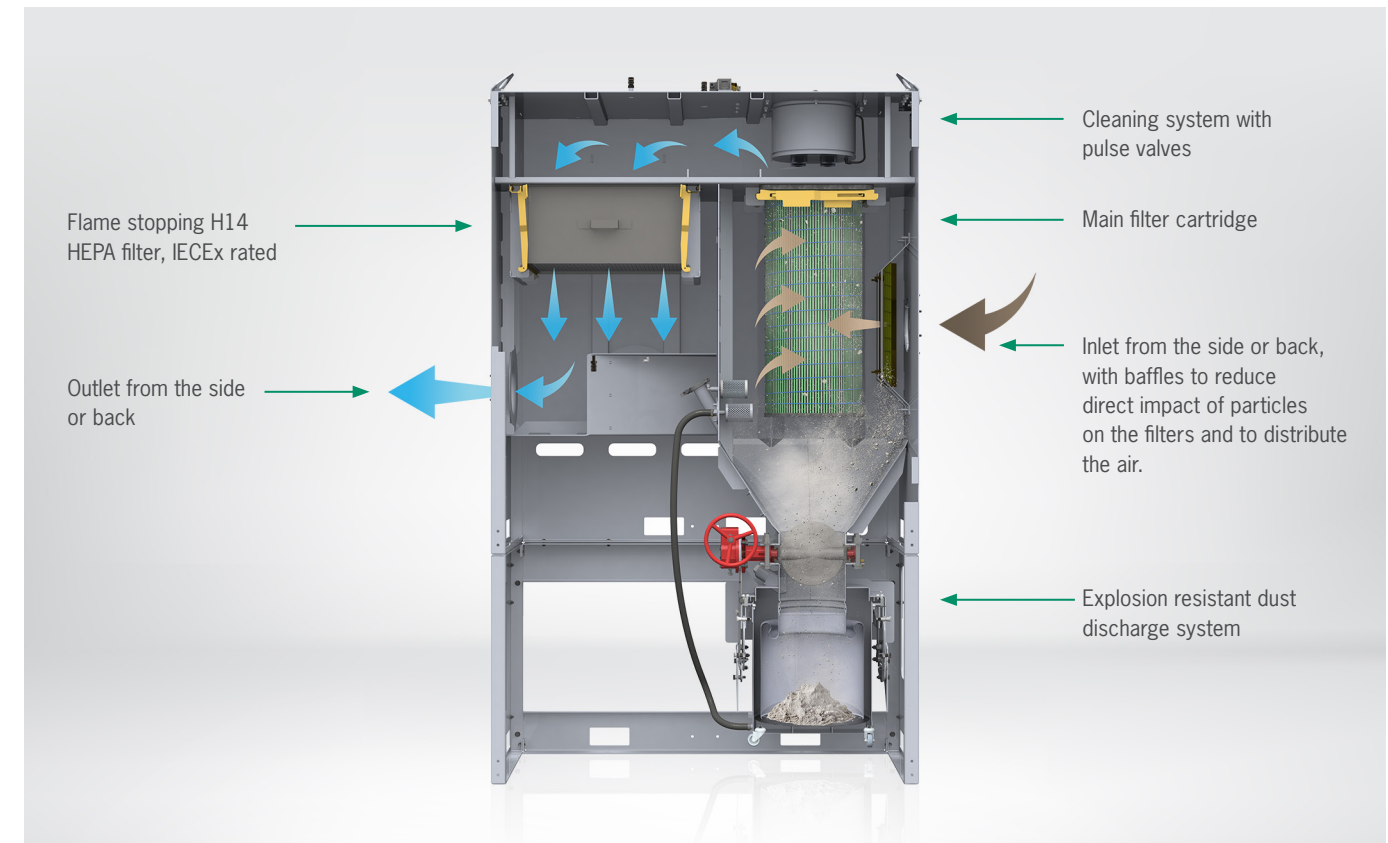
- Space-saving design allows installation close to the process
- Various inlet & outlet options, side or back

ATEX Certified Explosion Protection

- Pressure shock-resistant housing allows indoor installation without limitations
- No additional venting, suppression or downstream isolation required on the unit



SYSTEM DESIGN



Cleaning System

- Filter cartridges are divided into four segments which are cleaned one at a time
- Clean online without interrupting operations
- Improved dust release
- Enhanced filter life
- High energy efficiency
- Filter surface per cartridge: 15 m² / 20,5 m²
- 3 types of filter media available to suit different applications



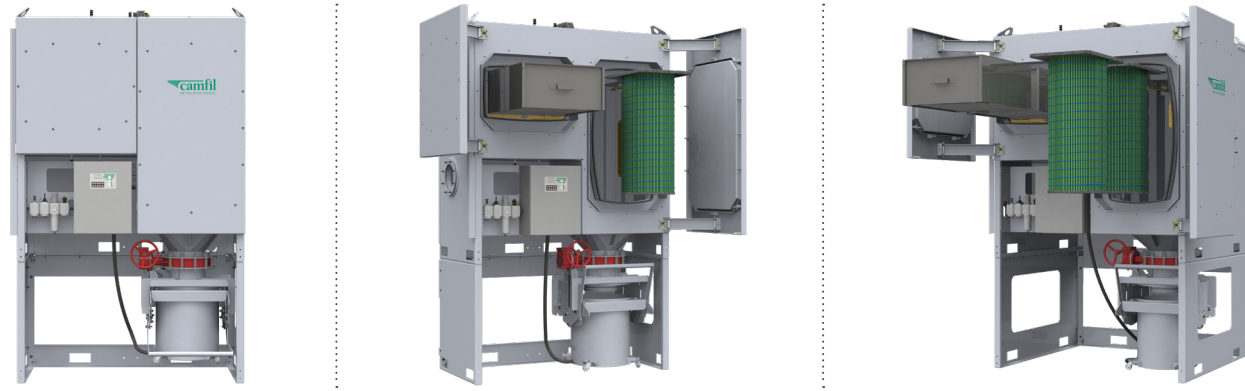
Explosion Protection

- Designed with pressure shock-resistant housing
- Maintains its integrity with no damage during an explosion event
- No need for additional expensive explosion protection devices
- ATEX certified for ST1 metal dust and ST2 organic dust
- Absolute H14 HEPA filter which also acts as a validated flame barrier



QUAD PULSE PACKAGE PX - FULL CONTAINMENT & ATEX COMPLIANCE

Compact and easy-to-install filtration solution for hazardous dusts. Designed for flexibility, the unit can be placed anywhere within a facility without the constraints of traditional explosion protection systems. Engineered to operate down to high under pressure, it meets the demanding requirements of machine extraction. Multiple dust discharge options are available to accommodate varying dust volumes.



Primary Filter:

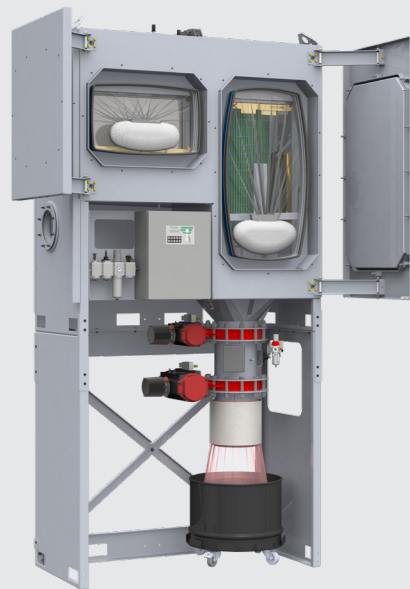
- Patented Camfil Quad Pulse cleaning technology
- Utilising Camfil's market-leading Camtain technology with antistatic BIBO safe-change system
- HemiPleat and Dura-Pleat antistatic cartridge filter media options available

HEPA Filter:

- H14 HEPA filter (according to EN 1822)
- Ensures full containment of the finest, most hazardous dust particles
- Uses the CamSafe system for straight-forward BIBO filter change
- ATEX validated flame barrier and for use with explosive dusts
- Integrated volumetric testing probes

Dust Discharge Options:

- 35 or 60 litre drum with single-use bag
- Dual valve with continuous liner system



EXTRACTION SOLUTIONS FOR PHARMACEUTICAL & CHEMICAL APPLICATIONS

Rely on our Experience:

With our extensive experience in handling hazardous dust and mitigating risks such as dust and gas explosions, we help our customers to find the best solutions for their needs. We carefully evaluate each request and, through close collaboration with our customers, ensure the delivery of a safe, ATEX approved solution that also meets operational requirements with energy efficiency in mind.

- | | | |
|-----------|-------------|------------------|
| ✓ Drying | ✓ Filling | ✓ Tableting |
| ✓ Coating | ✓ Blending | ✓ Granulating |
| ✓ Mixing | ✓ Packaging | ✓ Central Vacuum |

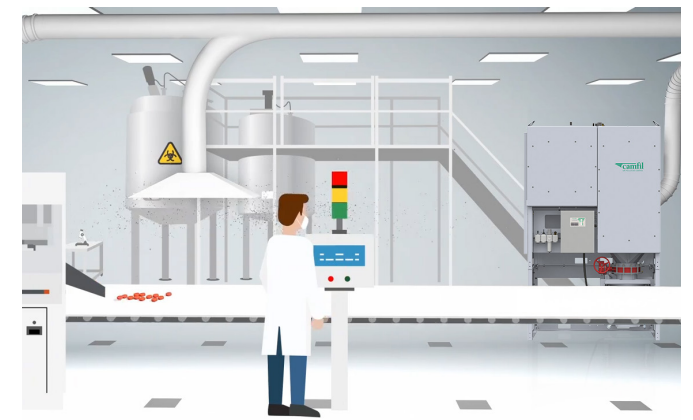
Ideal for High-Vacuum Applications:

Ideal for high-vacuum systems working with harmful and explosive dusts:

- Vessel strength down to - 25 kPa
- Discharge options for handling high dust capacities

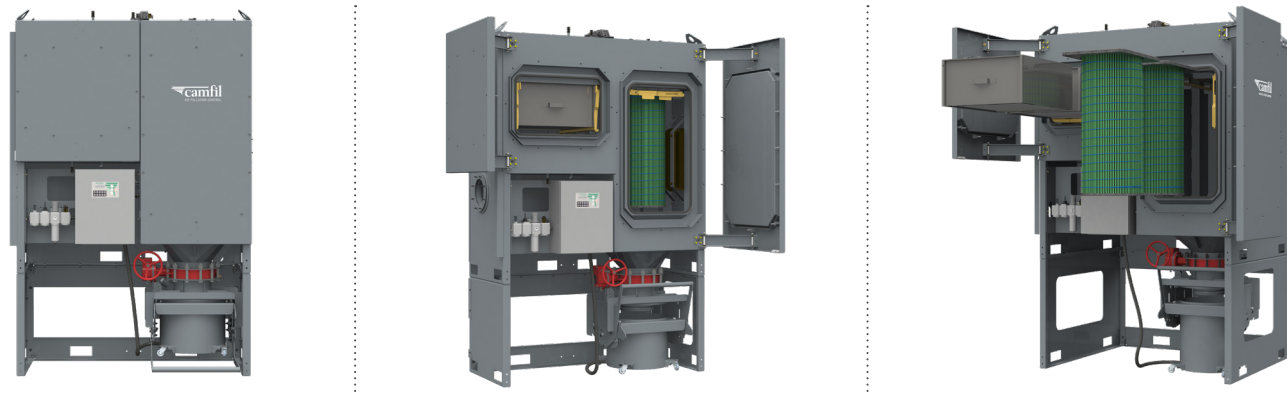
Easy & Flexible Installation:

- Installation close to the process
- Mitigates exposure risks for operators
- Reduces the amount of ductwork
- Inlet & outlet options, side or back
- Safe also in case of an explosion



QUAD PULSE PACKAGE DX - ATEX COMPLIANT SOLUTION FOR NON-HAZARDOUS DUSTS

A compact, easy-to-install filtration solution that can be freely placed within the plant, reducing the need for extensive ductwork and increasing layout flexibility. Its explosion shock resistance overcomes many shortcomings of conventional explosion protection methods and has been full-scale tested, including with highly reactive aluminum dust. Additionally, its high under-pressure resistance meets the demands of challenging machine extraction applications.



Primary Filter:

- Patented Camfil Quad Pulse cleaning technology
- A range of filter medias available for both fine dust as well as more coarse and abrasive dust

HEPA Filter:

- H14 HEPA filter (according to EN 1822)
- Providing 99.995% filtration efficiency to capture the finest dust particles
- ATEX validated flame barrier and for use with ST1 metal dusts
- Integrated volumetric testing probes

Dust Discharge Options:

- 35 or 60 litre drum with options for liner bag or lift out bucket
- Dual valve or rotary valve offload options available



EXTRACTION SOLUTIONS FOR METALWORKING APPLICATIONS & BATTERY MANUFACTURING

Metalworking

Today's industries frequently use light metals in their designs, presenting significant safety challenges due to explosion and fire risks. The QPP DX is specifically designed and tested to operate safely in such environments. Its pressure shock-resistant housing eliminates the need for additional limiting safety systems, enabling installation close to the process, a more streamlined shop floor layout, and easier future adaptations.

Battery Cell Manufacturing

In modern battery cell manufacturing, aluminum and solvents pose significant safety risks. Efficient dust extraction is essential for both safe and effective operation. The QPP DX is a compact, easy-to-install solution that has been full-scale tested with highly reactive materials such as aluminum and explosive gases. Its integrated filtration system is both highly efficient and easy to service. Depending on dust volume requirements, we offer tailored solutions to meet customer demands.



Blasting*



Grinding*



Polishing*



Slurry mixing



Calendering



Electrodes cutting

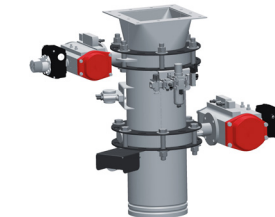
* of light metal

ACCESSORIES & OPTIONS



35 or 60 Litre Bin

- With interlock and isolation valve that allows emptying or BIBO bag change during operation



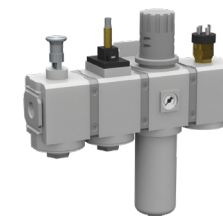
Camfil Dual Valve

- ATEX certified flame barrier, safe-change automatic dust discharge system
- Suitable for higher dust load applications



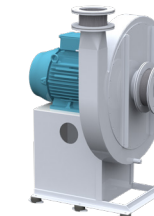
ACDC2 Controller

- Available with options for integrated explosion detection and upstream isolation control



Compressed Air Supply

- Air treatment package with safety valves



External Fan

- Fan selection according to your system requirements



Fan Starter Cabinet

- Basic fan starter, alternatively with integrated Variable Speed Drive (VSD)

CAMFIL – A GLOBAL LEADER IN AIR FILTERS AND CLEAN AIR SOLUTIONS

For more than half a century, Camfil has been helping people breathe cleaner air. As a leading manufacturer of premium clean air solutions, we provide commercial and industrial systems for air filtration and air pollution control that improve worker and equipment productivity, minimize energy use, and benefit human health and the environment.

We firmly believe that the best solutions for our customers are the best solutions for our planet, too. That's why every step of the way – from design to delivery and across the product life cycle – we consider the impact of what we do on people and on the world around us. Through a fresh approach to problem-solving, innovative design, precise process control and a strong customer focus we aim to conserve more, use less and find better ways – so we can all breathe easier.

The Camfil Group is headquartered in Stockholm, Sweden, and has 30 manufacturing sites, six R&D centres, local sales offices in 35 countries, and about 5,600 employees and growing. We proudly serve and support customers in a wide variety of industries and in communities across the world. To discover how Camfil can help you to protect people, processes and the environment.

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For further information please contact your nearest Camfil office.