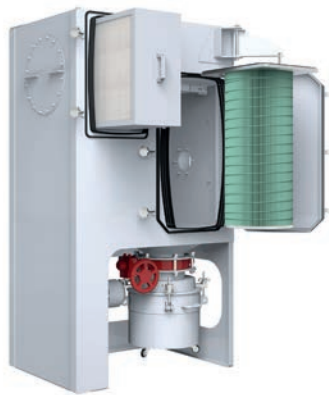


**QUAD PULSE**  
PACKAGE

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

# CLEANLINESS, SAFETY AND EFFICIENCY FOR HAZARDOUS DUST



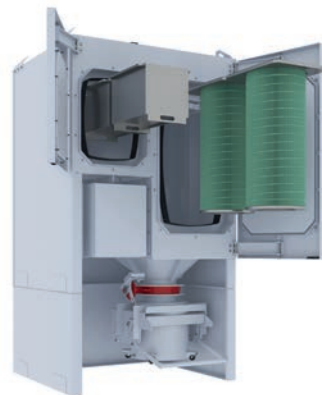
### QPP1 PX

- 1 Filter cartridge
- Air volume: 500 - 1,200 m³/h
- Internal fan for down to -5 kPa external suction pressure



### QPP1 PX

- 1 Filter cartridge
- Air volume: 500 - 1,200 m³/h
- External fan for working pressure down to -25 kPa



### QPP2 PX

- 2 Filter cartridges
- Air volume: 1,000 - 3,000 m³/h
- External fan for working pressure down to -25 kPa



# ALL-IN-ONE EXTRACTION SYSTEM

### Two filter stages:

- 1: Primary filter with excellent filtration efficiency removes the majority of collected dust and prolongs the service life of the second-stage filter.
- 2: HEPA filter up to H13 providing 99.995% filtration efficiency to capture the finest, most hazardous dust particles.
- 3: Quad Pulse cleaning system.

### Compact design, small footprint

As space on the production floor is limited, the dust collectors of the Quad Pulse Package Series convince with their compact and space-saving design.

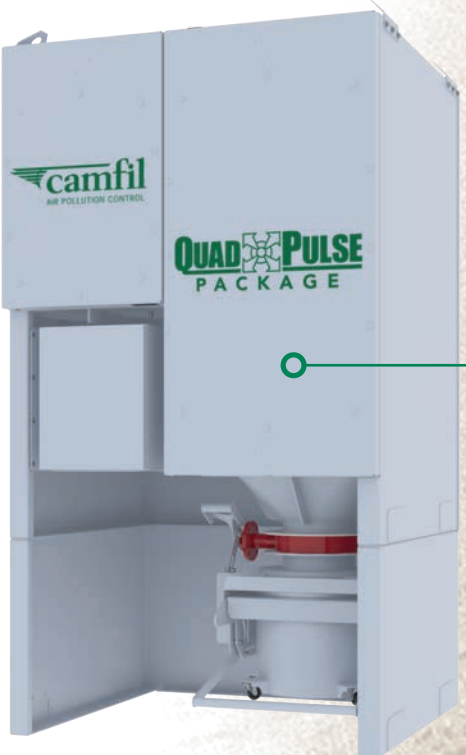
### ATEX-certified explosion protection

The QPP dust collectors are designed with pressure shock-resistant housings so that no additional expensive safety devices are needed but the units can be installed indoors without any limitations.

# QUAD PULSE CLEANING SYSTEM

The patented dedusting solution offers numerous advantages:

- ✓ Clean online without interrupting operations
- ✓ Uniform flow-through and cleaning of the cartridge
- ✓ Extended filter life
- ✓ High energy efficiency
- ✓ Innovative filter material allows highest separation rates
- ✓ Compact, space-saving design with 1 or 2 filter cartridges
- ✓ Ideal for high-vacuum applications



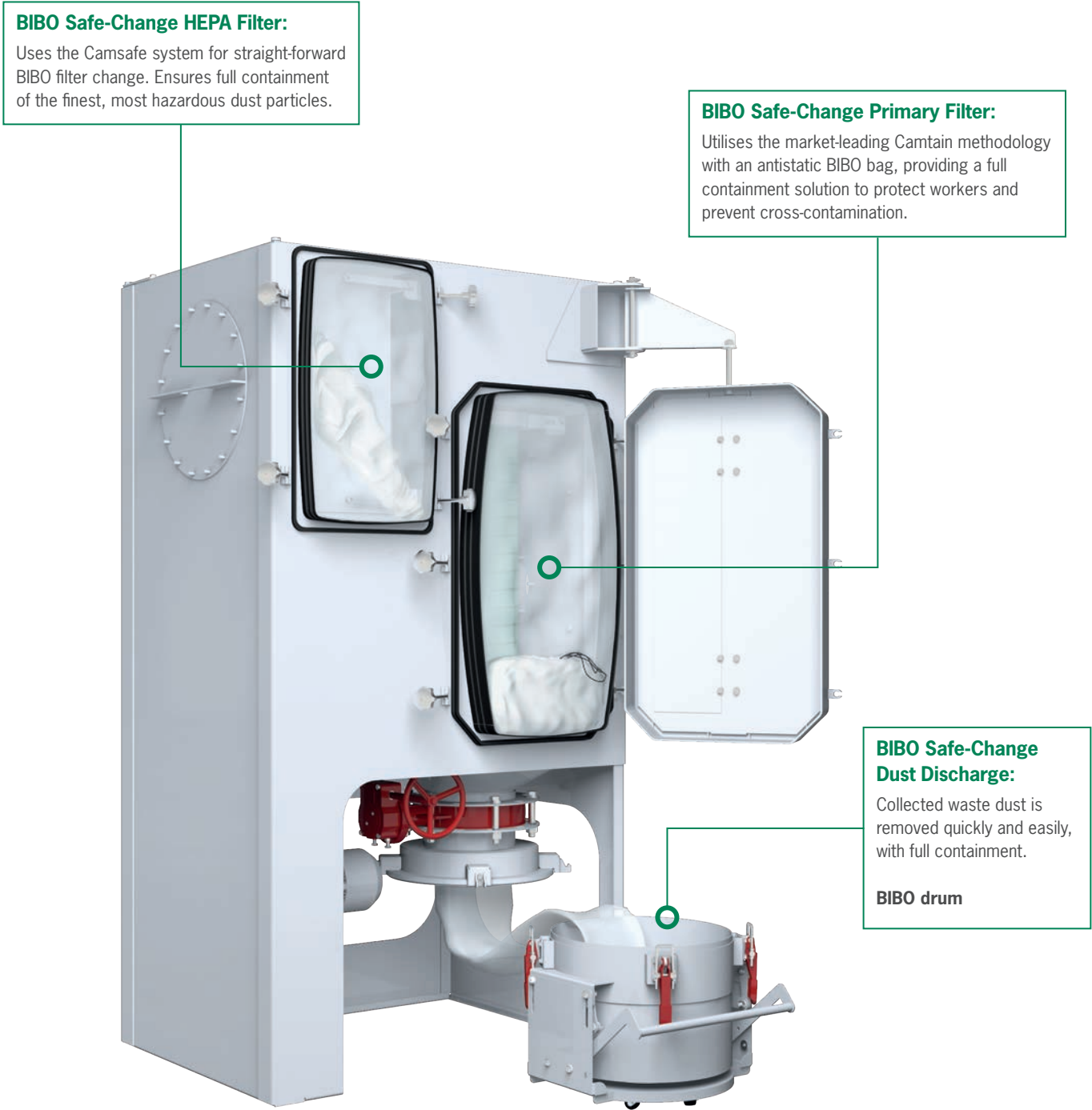
**LOW ENERGY**

**ZERO DOWNTIME**

**COMPACT SIZE**



# CONTAINMENT FOR HARMFUL CONTAMINANTS



## Highest Explosion Protection

The Quad Pulse Package HEPA filter captures the fine dust particles and is a tested flame and contamination barrier. Key advantages:

- The Quad Pulse HEPA filter captures fine dust particles and avoids the need for costly add-on explosion protection.
- Additional, expensive explosion safety devices are not required within given limits.
- The pressure resistant housing maintains its integrity with no damage during an explosion event.
- The compactness of the units allow installation close to the process what reduces the length of the ductwork.

## In accordance with ATEX & NFPA directives



**EASY  
MAINTENANCE**



**EXPLOSION  
RESISTANCE**



## OPTIONS:



**Controller**  
ATEX 3 D approved integrated controller. The controller operates the complete system including the optional Dual Valve system. Control through potential free contacts and/or MODBUS.



**Dual Valve**  
Optional Dual Valve dust discharge system for handling larger amounts of dust. Available with optional continuous liner technology.

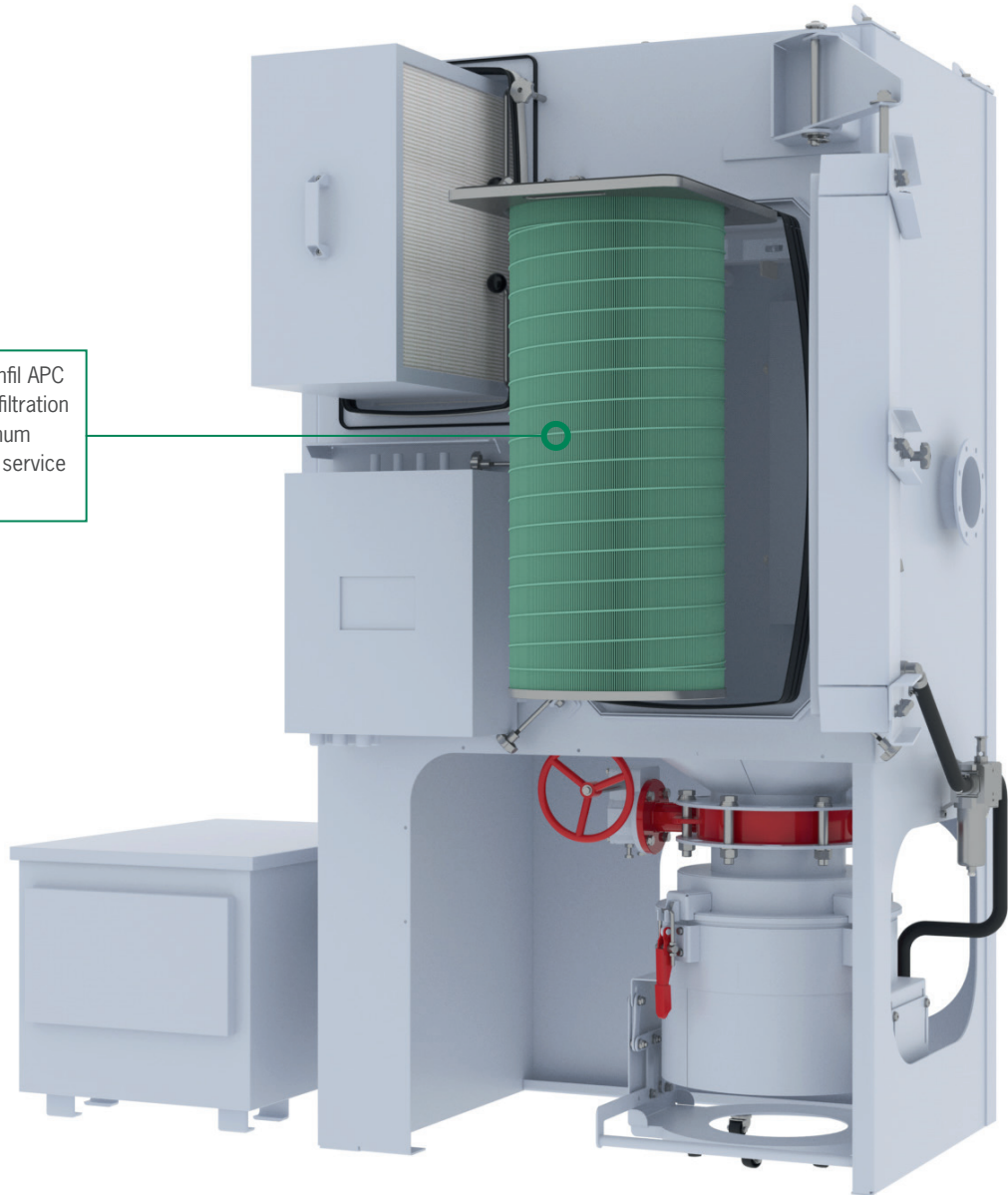
# QUAD PULSE PACKAGE HIGH VACUUM: POWER ON THE SPOT!

**Features:**

- Heavy duty welded construction suitable for indoor installation
- Vessel strength: Up to 25kPa negative pressure
- Quad Pulse cleaning system with segmented filter cartridge for improved dust release, continuous operation, reduced energy consumption and extended filter service life
- Explosion protection to comply with ATEX & NFPA Standards. Explosion pressure shock resistant to negate the need for additional explosion safety devices and enable easier, more economical installation
- Bag-in/Bag-out safe-change filter cartridge removal and installation



All our HV dust collectors use Camfil APC filter media to ensure the highest filtration performance combined with optimum dust release characteristics, filter service life and energy saving potential.



# EXTRACTION SOLUTIONS FOR PHARMACEUTICAL & CHEMICAL APPLICATIONS

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

**Rely on our experience:**

If you have OSD applications with APIs or if you have to solve projects with high demands on ATEX and NFPA workplace or equipment directives - our pharma team is always happy to assist you with your requests. Please contact us.



Gold Series Camtain



Gold Series High Vacuum



Camfil Camsafe

**References in the market:**

With the Quad Pulse Package Series and the Gold Series Camtain, Camfil APC offers solutions for every step within the pharmaceutical and chemical industry. We are already partners with numerous global market leaders in this segment. We gladly provide you with a reference list on request. Talk to our experts!

## 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.

[www.camfil.com](http://www.camfil.com)

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For further information please contact your nearest Camfil office.