camfil
AIR POLLUTION CONTROL

QUAD PULSE PACKAGE

DUST COLLECTOR FOR PHARMA & CHEMICAL INDUSTRIES



QUAD PULSE PACKAGE

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

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CORE OF THE QUAD PULSE SYSTEM:



THE PATENTED DEDUSTING SOLUTION OFFERS NUMEROUS ADVANTAGES:

- ✓ Clean online without interrupting operations
- ✓ Uniform flow-through and cleaning of the cartridge
- ✓ Long filter life / reduced filter change intervals
- ✓ Compact design with just 1 or 2 filter cartridges saves space
- ✓ High energy efficiency
- ✓ Innovative filter material allows highest separation rates
- ✓ HV-Applications



A PRODUCT FAMILY WITH A MISSION: CLEANLINESS, SAFETY AND EFFICIENCY FOR HAZARDUS DUST



QPP1 PX1
1 cartridge
Air Volume: 500 - 1,200 m³/h
Internal fan for down to -5 kPa external suction pressure



QPP1 PX
1 cartridge
Air Volume: 500 - 1,200 m³/h
External fan for working pressure down to -25 kPa



QPP2 PX
2 cartridges
Air Volume: 1,000 - 3,000 m³/h
External fan for working pressure down to -25 kPa



OPTIMIZED UNIT DESIGN

- **EFFICIENT FILTER STAGES:**

  Stage 1: Primary filter with excellent filtration efficiency removes the majority of collected dust and prolongs the service life of the second-stage filter.

  Stage 2: Quad Pulse cleaning system.

  Stage 3: HEPA filter up to H13 providing 99.995% filtration efficiency to capture the finest, most hazardous dust particles.

- **COMPACT DESIGN, SMALL FOOTPRINT**
  Space on the production floor and in the plantroom is at a premium. The ATEX-compliant explosion protection capabilities of the device enable the Quad Pulse to be conveniently installed with easy access for all maintenance functions.

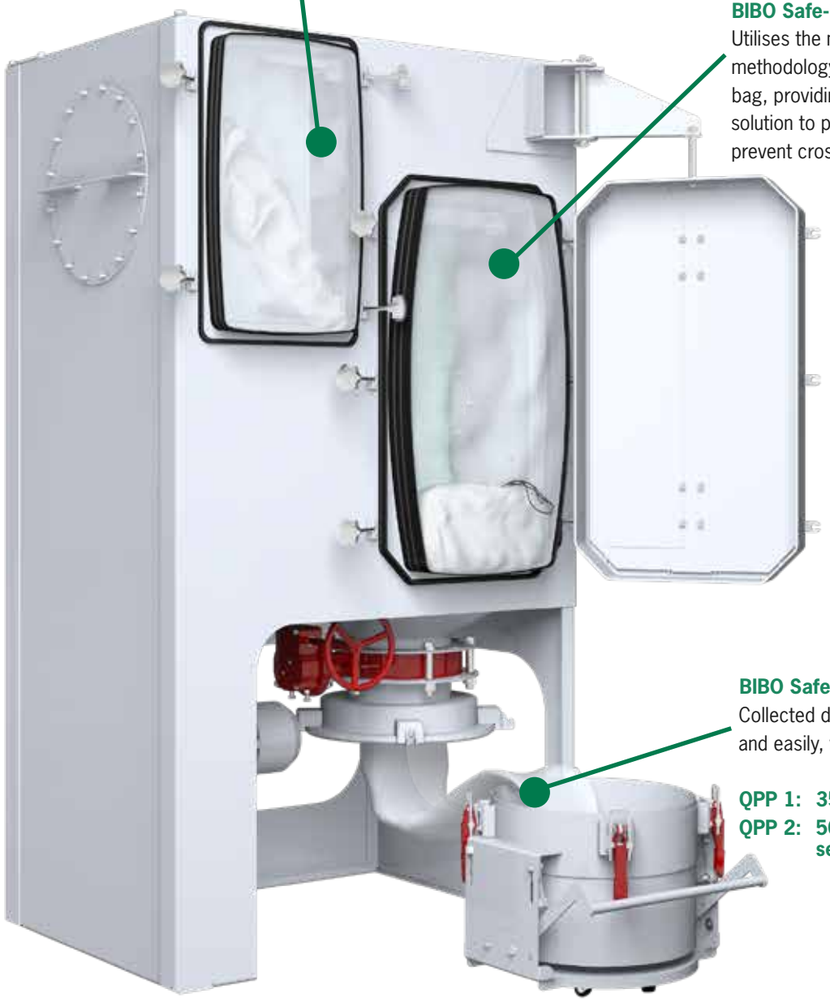
- **HIGH PERFORMANCE, LOW NOISE**
  The integrated fan (QPP1) can provide the suction required for each individual application. At the same time the unit is insulated to make it very quiet during operation.

THE QUAD PULSE PACKAGE SERIES PACKED WITH HIGH-END FUNCTIONALITIES:

BIBO CHANGE

BIBO Safe-Change HEPA Filter:
Uses the Camsafe system for straight-forward BIBO filter change.
Ensures full containment of the finest, most hazardous dust particles.

BIBO Safe-Change Primary Filter:
Utilises the market-leading Camtain methodology with an antistatic BIBO bag, providing a full containment solution to protect workers and prevent cross-contamination.



BIBO Safe-Change Dust Discharge:
Collected dust is removed quickly and easily, with full containment.

QPP 1: 35 L BIBO drum
QPP 2: 50 L BIBO drum serviced from the front.

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.
- Compact unit with flexibility for indoor installation reduces the need for long duct runs.



IN ACCORDANCE WITH ATEX & NFPA DIRECTIVES

EASY Maintenance

EXPLOSION RESISTANCE

INNOVATIVE TOOLS & ACCESSORIES



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.



QPP2 Dual Valve compatible

QUAD PULSE PACKAGE HIGH VACUUM: POWER ON THE SPOT!

- 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 ensu the highest filtration performan combined with optimum dust release characteristics, filter service life and energy saving potential.

WE SOLVE ALL APPLICATIONS IN THE PHARMACEUTICAL & CHECMICAL PRODUCTION!

- tabletting
- filling
- coating
- granulating
- drying
- mixing
- blending
- packaging
- central vacuum

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 HV

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 Camsafe

YOUR PARTNER FOR GLOBAL SOURCING

Camfil APC is a leading supplier of industrial exhaust air purification and part of the Camfil Group, the world market leader in air filters and air purification systems, with over 4,000 employees worldwide and more than 50 years of experience. With our comprehensive product portfolio and global service and delivery options, we offer absolute customer proximity and individual solution proposals for use in almost all production areas.



TRUST THE EXPERT!



Our engineers and employees are absolute professionals with many years of experience in the development, production and technical support of air pollution control systems of all sizes. From a simple filter system to complex turnkey solutions, from the initial design of the plant to the final completion - we are looking forward to your inquiry!



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