

HERDING PharmEx FILTRATION TECHNOLOGY

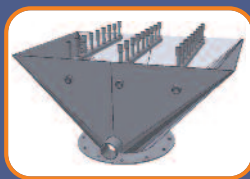




ATEX

Contamination-free
dust discharge systemwith welding device
for endless hosesDust discharge,
low contaminationBag-in-bag system with
pneumatic docking

Water injection system

Rinse-in-place for SafeChange
of the filter elements

PharmEx – THE ALTERNATIVE TO REGENERATIVE SUBMICRON PARTICULATE FILTERS

The PharmEx is designed to be pressure shock resistant, so that organic dust with a maximum explosion pressure of 10 bar and a K_{St} value of 300 bar m/s can be removed without requiring any additional sophisticated tertiary explosion protection measures.

Since the filter quality of the Jet-pulse cleaned Herding® sinter-plate filter elements already equates to dust class H, the HEPA-filter of selectable quality should only be regarded as a safety filter (backup filter). Therefore, exchange of these filters is hardly necessary.

The filter unit consists of a filter housing with smooth surfaces and integrated Herding® sinter-plate (HSL) filter elements, a jet-pulse cleaning system which is triggered by an integrated controller, a second-stage HEPA-filter, optional water injection nozzles and dust discharge systems.

Technical Data:
Dimensions:
 L 1000 mm x W 833 mm x H 1764 mm
 plus dust discharge system
Air rate:
 Approx. 1500 m³/h to 2000 m³/h
 depending on the dust; a modular
 design is possible to handle large
 air rates.



Benefits from the compact PharmEx dust extraction system:

- Little space required
- Low dust concentrations in clean gas < 0.1 mg/m³ of 1st filter stage (depending on the dust)
- Rinse-in-place for SafeChange of the HSL filter elements
- SafeChange for all filter elements system Herding®
- HEPA-filter services as backup filter only
- Constant operating conditions
- Dust disposal systems, optional contamination-free
- Safe system concept with no tertiary measures
- High availability and life cycle
- Low operation and maintenance costs
- Full system from one single source

**We can also provide dust
extraction systems to all other
pharmaceutical production processes!**