

Product information

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Enclosed filter unit with protective bag

Quick filter change even in Ex zones

With the QP-Quick-Pack filter system from Wolftechnik, the filter change in sensitive areas can be carried out quickly and cleanly. The system of filter and housing meets the high requirements of the ATEX Directive 2014/34/EU for use in potentially explosive atmospheres. The important ATEX certificate has now been extended by another 10 years.

Conventionally, cleaning agents are required when changing the filter, especially for viscous media. Such as in the filtration of solvent-based clear coat. In addition to special protective clothing, the change often takes a lot of time. With the innovative QP-Quick-Pack filter system, Wolftechnik offers an alternative. Because the "QP-Quick-Pack" consists of a special WTQP housing and an enclosed filter unit with protective bag. The filter housing itself remains clean. Changing the filter takes less production time. The housing and the filter unit may be used in potentially explosive atmospheres (Ex zones). The entire system bear the Ex-II-2GD mark according to the applicable ATEX Directive.

The engineers and technicians at Wolftechnik have carefully and in accordance with the state of the art dealt with the issues of guaranteeing explosion protection. The documentation was deposited at TÜV Süd in accordance with Directive 2014/34/EU, Article 13 (1) b) ii) on Nonelectrical devices and components group II Category 2. The deposit confirmation is available and was extended in May 2023 for a further 10 years.

Protective bag keeps housing clean

Specially developed for the production fields of chemicals, paints and cosmetics, the filter change with the QP-Quick-Pack filter system for products of different viscosities is easier, cleaner and faster compared to conventional systems. The "QP-Quick-Pack" is so safe that it is even used as a theft-proof filtration stage in precious metal separation. Here, precious metals are recovered, for example, from used catalytic converters, from electronic components or from ores and alloys. The firmly piped system in combination with the closed Quick-Pack filter system protects against medium theft.

Changing the filter with the QP-Quick-Pack filter system is safe and clean. Regardless of the application. For example in the production of viscous paints. The cartridge filter housing is opened for the change. Everything is clean inside because the filtered medium remains in the protective bag. The housing does not have to be cleaned of residues. The entire used filter unit with all filter cartridges is removed at once. Nothing drips down through the bag. The environment stays clean. The supply lines are flushed with a special flushing arch (see Fig. 4) and is just as uncomplicated. A new filter pack is inserted, connected, done. The next filtration process can start immediately.

System with many advantages

Wherever products have to be filtered with filter cartridges due to high quality requirements, the advantages of the "QP-Quick-Pack" with the protective bag come into their own. The closed system even prevents germ nests from settling in the filter housing. In addition it eliminates the risk of cross-contamination between different product series from residual deposits in the filter housing.

The filter pack consists of a sturdy adapter made of polypropylene (PP) with inlet and outlet ports and a double-layered protective bag made of PP or polyamide holding the filter cartridges. Systems with 1, 3 or 7 filter elements in lengths of between 5" and 30" are available. They can be fitted with various filter elements. Filter inserts type CP2, CP, CPH and BM are available, which are particularly suitable for paints and varnishes due to their internal, highly porous and yet rigid structure. But it is also perfect for the filtration of cosmetics and lotions, as well as for water treatment plants and as a final filter in bottling plants. The bandwidth of the available filter fineness ranges from 1 - 15 µm absolute and with different gradations from 1 - 350 µm nominal.

Foto- / Abbildungsindex



Fig. 1
WTQP housings and "QP-Quick-Pack"
 Different WTQP housings with QP-Quick-Pack filter elements

Credit: Martin Wolf Wagner



Fig. 2
QP-Quick-Pack filter cartridges with protective bag
 QP-Quick-Pack filter system can be fitted with various filter elements

Credit: Martin Wolf Wagner



Fig. 3
 EX-II-2GD mark

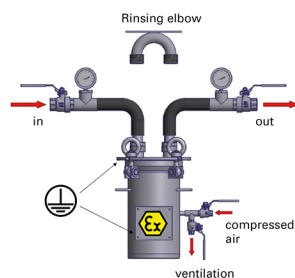


Fig. 4
Installation diagram
 WTQP housing with purging bypass

Graphic: Wolftechnik