

Instructions for Regenerating Filter Cartridges

BECO PROTECT PG and BECO PROTECT TS

1 A 4.3.1.1 · EB
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Regeneration

Due to their exceptional mechanical, chemical and thermal stability, BECO PROTECT PG/TS are back-washable at room temperature with up to 3 bar or at 80 °C with up to 2 bar.

These pressure values must not be exceeded.

The BECO PROTECT PG/TS should always be flushed out as follows after each filtration:

- ▶ Drain the candle housing.
- ▶ Flush out with cold water **in the opposite direction of filtration** for at least 2 minutes. If possible, the **flow rate** should be **one and a half times** the **previous filtration output**. Set the counterpressure to 0.5 bars.
- ▶ Flush out with hot water (80 °C) **in the opposite direction of filtration** for at least 5 minutes. The **flow rate** should be **one and a half times** the **previous filtration output** in this case as well. Then circulate for 15 to 30 minutes. Set the counterpressure to 0.5 bars. Let the hot water stand in the housing overnight and flush out again with hot water for approx. 2 minutes the next morning.
- ▶ Chemical cleaning is possible due to the chemical stability of the filter cartridge. In order to increase the service life, we recommend this kind of cleaning when the effectiveness of the daily regeneration diminishes. For this reason, watch the initial pressure every day at the beginning of the filtration process.

Information about chemical cleaning can be found in our User Note 1 A 4.7, which describes the special cleaning procedure for BECO PROTECT PG/TS.

Note

Best regeneration results are achieved by flushing the filter cartridge in the **opposite direction of filtration**. If possible, the **flow rate** should be **one and a half times** the **filtration output**. The effectiveness can be increased further by letting the filter cartridge stand **filled with hot water overnight** after flushing out as indicated above and backflushing the cartridge again with hot water for approx. 2 minutes the following day.

Ensure that the water used for flushing is free of rust, lime, and other impurities.

BEGEROW recommends filtering the water used for flushing as a precautionary measure. Match the fineness of the filter to the filter to be flushed out.

Also filter any steam used to sterilize the filter cartridges. Metal filter cartridges with a clarifying strength of 10 µm are suitable for this purpose.

We will be glad to answer any further questions you might have. You can call either the area sales manager in your area or contact the application technology department. at BEGEROW directly at: +49 6704 204-0.

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