Armaturen GmbH

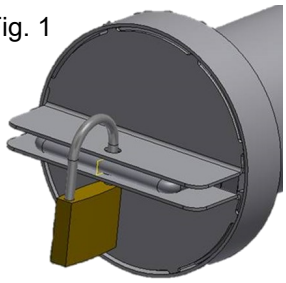
Product information

M&S-Angular filters safety modifications

M&S angular filters are equipped with a connection according to DIN 11851 in the standard version. In the event of unplanned opening, impermissible overpressure can be relieved more safely via the thread than, for example, in the case of a closure with a clamp connection.
For special and very high demands on operational safety, however, further modifications are possible.

Variations

Fig. 1



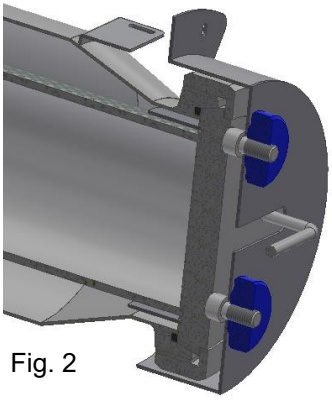


Fig. 2

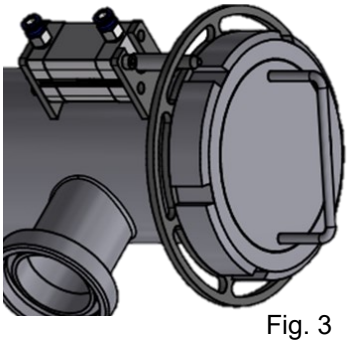


Fig. 3

Usage | **Features** | **Versions**

- Manual or automatic lock to protect against unauthorised opening.
- Feedback of the closure situation by electronic feedback.
- Forced venting at the closure for a slow and safe reduction of an impermissible overpressure.

Usage | **Features** | **Versions**

- Protection against unauthorised opening.
  - Security cap for the slotted nut
    - Easy to retrofit, can be secured with a padlock.
    - Optionally with electronic feedback for the locking situation.
  - Automatic securing of the slotted nut
    - Electronic release or locking of the slotted nut by sensor technology.
- Forced venting of the closure
  - Pressure reduction of existing overpressure when the screen closure is released.
    - During the opening process, the strainer insert is mechanically forced open and thus the sieve housing is vented. Existing overpressure can escape safely after only a few turns of the slotted nut.

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M&S-Angular filters safety modifications

Usage

Features

- Protection against unauthorised opening
  - Security cap with padlock (figure 1)

    The slotted nut is covered with an attachable, lockable cap. This prevents the use of a hook spanner for opening.
  - Security cap for electronic feedback (figure 2)

    The slotted nut is covered with a cap. This prevents the use of a hook spanner.

    The cover is additionally equipped with sensors (e.g. PS or RFID security switch) for feedback.
  - Automatic locking (figure 3)

    A mounted perforated ring on the slotted nut and an additional pneumatic adjusting cylinder on the housing prevent unintentional access. Release is given via the control unit or a switching element.
- Closure with forced venting (figure 4)
  - The liner blank and the slotted nut are mechanically connected.
- Closure with forced venting, lockable, with feedback (figure 5)
  - The liner blank and the slotted nut are mechanically positively connected.
  - A mounted perforated ring on the slotted nut and an additional holder on the housing enable the use of electronic feedback with the aid of a PS. RFID technology for identification or security interrogation is optionally possible.
  - The closure can additionally be secured mechanically with a padlock.

Versions

Fig. 4

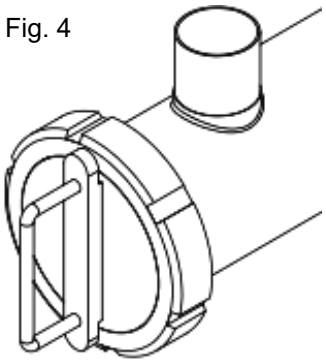
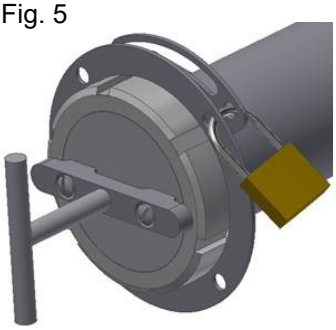


Fig. 5



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