



sartorius

Betriebsanleitung | Operating Instructions

Filterkerzengehäuse Filter Cartridge Housing



85030-515-43

6 Function

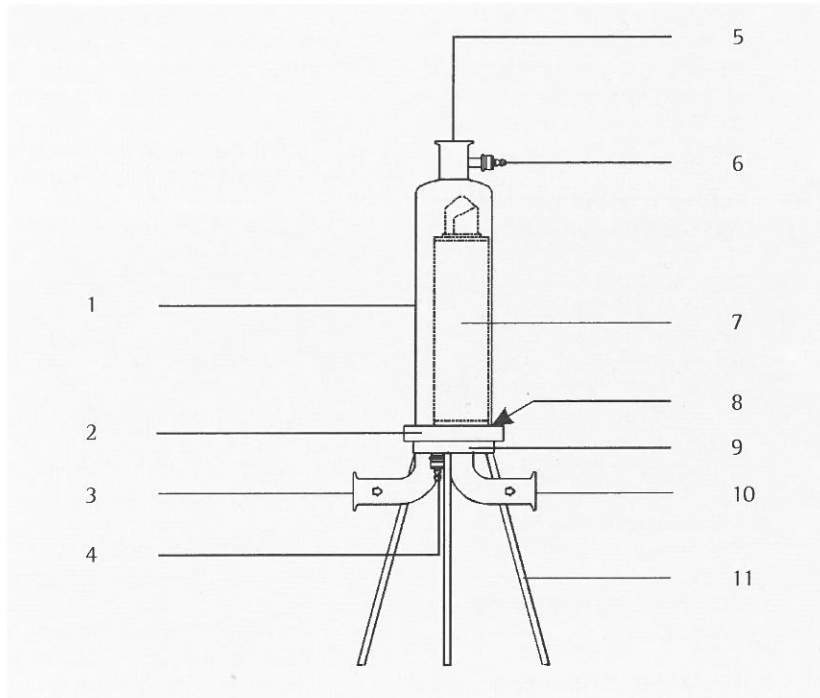


Fig. 6-1 | Overview (Example of a Filter Cartridge Housing)



Depending on the model, not all components are supplied with each filter cartridge housing.

The filter cartridge housing consists of the following components:

1. Housing bell
2. Clamps, flanges and threaded couplings
3. Inlet
4. Run-off valve
5. Housing bell connection
6. Vent valve
7. Filter cartridge
(not in equipment supplied)
8. Seal
9. Base plate (lower part)
10. Outlet
11. Legs

Description of the Functions

The filter cartridge housing is supplied with the medium through the inlet. The medium rises upwards in the housing bell and surrounds the filter cartridge. The medium is pressed through the filter cartridge due to the fact that there is overpressure at the inlet and a counteracting negative pressure at the outlet. The medium drains out through the outlet.

The housing bell connection is located at the top of the housing bell. This can be used for various applications, e.g. for connecting a pressure gauge. When filtering liquid media, trapped air can be evacuated through the vent valve.

The housing bell is connected to the base plate (lower part) by clamps, flanges or threaded couplings. A seal between the housing bell and base plate (lower part) prevents the medium from escaping. When filtering liquid media, the medium can be drained off at the run-off valve. This reduces the residual volume of the medium in the filter cartridge housing to a minimum.

Three legs provide the filter cartridge housing with a stable base.

2 Overview and Intended Usage

2.1 Overview

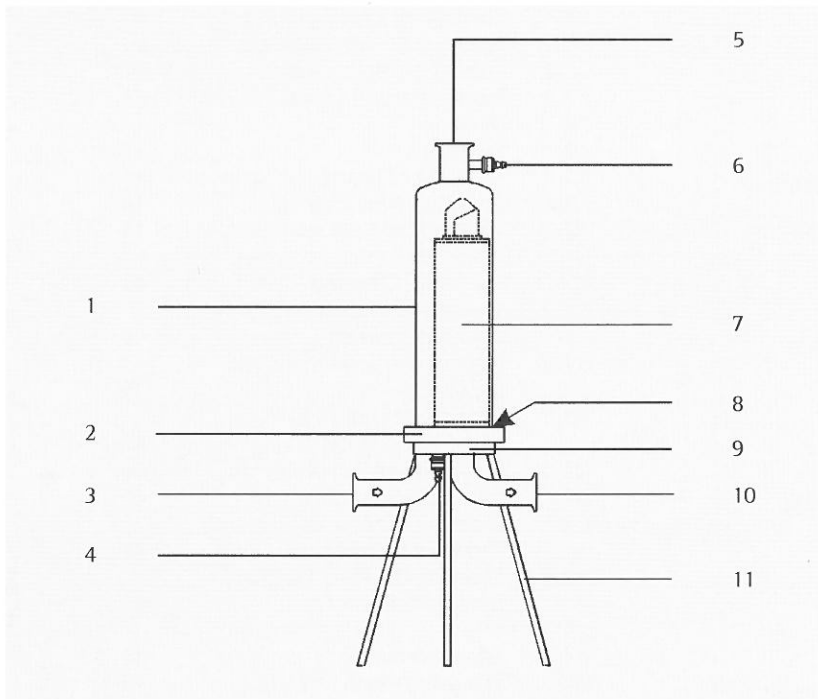


Fig. 2-1 | Overview (Example of a Filter Cartridge Housing)



Depending on the equipment and the model, some components are not included with every filter cartridge housing.

The information in the enclosed dimension sheet is binding. The order number on the dimension sheet is identical to that on the Manufacturer's Label.

The filter cartridge housing consists of the following components:

- 1 Housing bell
- 2 Clamps, flanges and threaded couplings
- 3 Inlet
- 4 Run-off valve
- 5 Housing bell connection
- 6 Vent valve
- 7 Filter cartridge (not included in equipment supplied)
- 8 Seal
- 9 Base plate (lower part)
- 10 Outlet
- 11 Legs

2.2 Intended Usage

The filter cartridge housing has been developed, designed and built exclusively for installation in a system used for commercial operations. It serves to hold filter cartridges manufactured by Sartorius. The filter cartridge housing can be used to filter various media (gases and liquids). The medium is pressed through the filter cartridge by means of a pressure differential between the inlet and the outlet. The pressure in the inlet must always be greater than the pressure in the outlet.



The filter cartridge housing is intended solely for installation in a system used for industrial or commercial operations. Any other use or modification without the written permission of the manufacturer is considered inappropriate use according to the manufacturer's instructions. The manufacturer shall not accept any liability for resultant damage. The risk shall be borne solely by the customer | operator.

Operation of the filter cartridge housing is prohibited until it has been established that the complete system of which it is a part complies with the regulations of the applicable EC directives. The filter cartridge, its seals and clamps, flanges and threaded couplings are not part of the filter cartridge housing. Always use parts suitable for the particular application. Comply with the legal regulations that apply to the place of use.

The filter cartridge housing materials and the seal materials are described in the dimension sheet.

Media that are characteristically abrasive to the standard materials are listed in the chemical compatibility tables in Chapter 2.3. Please obtain a written release from Sartorius for any special applications or if the application is unclear.

The customer | operator shall be responsible for purchasing and employing the media to be filtered in the filter cartridge housing according to its intended use. As a result, proper handling of these media and the related dangers are the sole responsibility of the customer | operator.

The filter cartridge housing is not approved for use with explosive media.

If you are using a filter cartridge heater, before use, always check that it is compatible with the medium to be filtered.

2.3 Technical Specifications



The dimension sheet lists the materials used. Please refer to this list and compare it with the medium to be filtered and the compatibility tables. These show the following:

- Suitability for use
- Service life
- If there are any potential hazards, this information must be provided to the operating and maintenance personnel in the form of a hazard assessment report or operating instructions.



Please obtain a written release from Sartorius for any special applications or if the application is unclear.