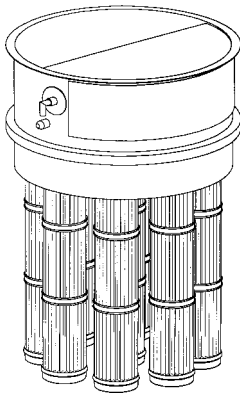


## Base filter apparatus



- circular construction
- permissible in the food branche
- integrable in existing systems
- retrofitable by the modular system
- corrosion resistant
- light construction
- no static problems
- colour neutral design
- simple mounting (weld in the welding ring – put on filter apparatus - shut clamping ring connection – connect current and compressed air – ready)
- mountable
- filter area can later be enlarged within a system

The term **base filter apparatus [model 00]** documents that this is the minimum equipment to separate bulk material and carrier gas.

The base filter apparatus which is used as an insert filter unit is for the automatic supervision of the separation process. It can be installed for aspiration, deaerate from pneumatic conveying systems, as safety filter and many other applications. At serie 02 and 03 the control unit is installed lateral. From serie 05 on the electronic devices and the valve box is installed in the filter head. There is enough space to install all optional aggregates which control the filter apparatus. Due to the clamping ring system the housing parts can be rotated and easily mounted.

### Filter-Regeneration

In standard the base filter apparatus is delivered as follows:

- **C** fully automatic regeneration with compressed air  
»On-line-operation« [time control]

We also provide you with following executions:

- **F** no regeneration (reservoir-, safety-, police-, storage filter)
- **B** mechanical, semi-automatic regeneration by shaker motor  
»Off-line-operation« (storage filter with interruption for regeneration)
- **CD** fully automatic regeneration with compressed air  
»On-line-operation« [differential pressure control with measure line cleaning]  
circuit pressure control [NDM] optional

### Material

Standard equipment is seawater proof aluminium. This material can be used for most of applications, as for example in the chemical and pharmaceutical industry.

### Advantages

- corrosion resistance
- light construction
- no static problems
- good caloric conductivity
- colour neutral design

### Filter Equipment

The filter area can be chosen between 0,2 and 66,1 m<sup>2</sup>. The conventional filter media (carrier media) for the star filters is ts-903. It can be used for most applications. Another alternative for the filter equipment are hose filters (*more information about filter equipment see »PM-TS-01.DOC«*)



If requested we can determine the probable rest dust content with a proof method developed by us (following the VDI 3926). This computer supported evaluation with trend analysis of the edge life of the filter media takes approx. 24 hours.

### Optional Equipment

- material ⇒ stainless steel  
⇒ steel
- other filter media (retrofitable at any time)
- for reduced explosion pressure (dust explosion St 3, metal dust)
- compression-proof up to 4 bar

### Enlargement – Retooling

- differential pressure control
- from Off-line to On-line operation
- display and remote indication with an output terminal for a printer
- data transfers to MSM (controls and directs the functions of the filter apparatus)
- product separator for suction and pressure conveying system
- hopper with ball flap or rotary valve
- mounted filter apparatus as deaerator filter

⇒ **Result:** a ts-base filter apparatus is a solid and high-grade technical product, which reliably separates bulk material from carrier gas.  
**Day by day.**  
**Around the clock.**