



NETZSCH *SMARTREMOVAL*

The economical and innovative system for easy filter hose change.

SMARTREMOVAL

The filter hose change system which saves time and money!

For cleaning dust-laden air NETZSCH Trockenmahltechnik can offer customer-friendly solutions. The main area of expertise of our Stockach factory is the design and manufacture of jet nozzle filters. The filters and plants are designed and manufactured according to each customer's wishes and adapted to suit the particular application area. The filters are available in ATEX execution with EC type-examination certificate, heated and insulated as well as in various material- and surface qualities.

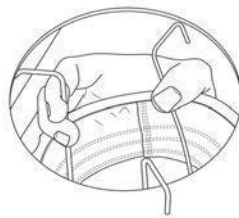
The patent pending *SMARTREMOVAL* hose change system developed by NETZSCH has revolutionized the change of filter hoses and support cages for side removal filters.



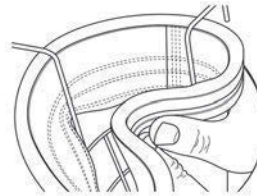
Changing the filter hoses – No tools, quick and easy

The mounting and dismounting of the support cage is carried out from the raw gas side. The support cage is mounted on the perforated plate, fixed by spring steel clips and the position of the filter hose is then secured using a snap ring system.

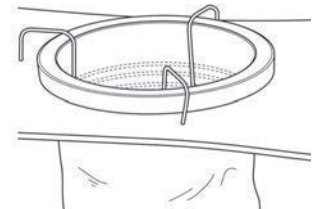
Mounting*



Hooking of the unit onto the perforated filter plate

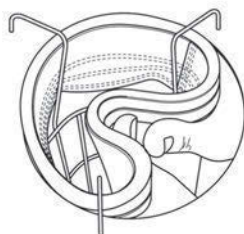


Mounting of the filter hose with snap ring

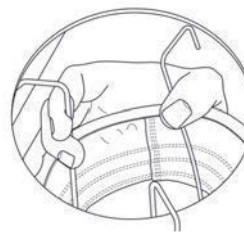


Mounting of unit completed

Dismounting*



Dismounting of the filter hose with snap ring



Unit is hooked off by pushing together the springs



Dismounted unit (filter hose and support cage)

* Shown without Venturi

be efficient

Main Features of SMARTREMOVAL

- 1 Venturi, equipped with an integrated lifting stop for the support cage
- 2 Support cage which is hooked over the top of the perforated plate from the raw gas side and fixed by spring steel clips without tools
- 3 Filter hose with modified snap ring system for easy mounting from the raw gas chamber without tools



Focus on Your Advantages

When planning the installation of a filter, an important subject is often the limited space available under the ceiling for using a top removal filter. Either the height of the building must be increased by expensive construction work, or a side removal system can be used. However, the side removal systems generally available up until now, could not guarantee the same residual dust content obtained with top removal systems due to their construction. Another of their negative features is the large amount of time required for changing hoses and cleaning. This involves a long production stoppage time, which means a drop in yield, particularly for those application areas in which the type of feed product is frequently changed, and high costs.

The SMARTREMOVAL system developed by NETZSCH requires a similar amount of space as side removal systems. It makes a very easy and considerably more rapid filter hose change possible without tools. With this system it is possible to obtain the same residual dust content as that achieved with the top removal system.

By using the SMARTREMOVAL system the time required for changing filter hoses can be reduced by up to 80 % and in this way costs are also reduced.

- Mounting time up to 80 % shorter compared to side removal systems.
- Easy mounting from the raw gas side without additional tools.
- Proven Snap Ring technology guarantees the dust-tightness of the clean gas chamber.
- The same residual dust contents as with top removal snap ring systems.
- Mounting errors cannot occur.
- No additional space in the building needed for dismantling the support cages as required for top removal systems.
- Existing systems can be modified and retrofitted

Required time [%]



* Side removal system with groove

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NETZSCH Trockenmahltechnik GmbH
Rodenbacher Chaussee 1
63457 Hanau
Germany
Tel.: +49 6181 506 01
Fax: +49 6181 571 270
info.ntt@netsch.com

NETZSCH®

www.netsch.com