



# CABINETS DISPOSABLE FILTERS Ex II 2DG TYPE KF-A/AF-A/AFK-A

**Filter monitoring:** Continuous monitoring must be kept with pressure drop above filters for timely replacement of these. For this Minihelic-differential pressure manometer can be mounted in front door of cabinets.

Filters suitable for	KF-A	AF-A	AFK-A
<b>Compact filter</b> Synthetic filter material mounted in plastic frame 592x592mm.  Filter height: Up to 400mm	<b>Compact filter F9</b> w/galv. frame, antistatic <b>592x592x292mm</b> , max. 5000m <sup>3</sup> /h, 19m <sup>2</sup> , filter material F9 <sup>1)</sup> (08 291 700)	-	<b>Compact filter F9</b> w/galv. frame, antistatic <b>592x592x292mm</b> , max. 5000m <sup>3</sup> /h, 19m <sup>2</sup> , filter material F9 <sup>1)</sup> (08 291 700)
<b>HEPA-absolute filter</b> High Efficiency Particular Air filter, micro filter (glass fiber) mounted in MDF-/metal frame 610x610mm.  Filter height: Up to 295mm.  Filtration efficiency, h (%): 99,97<h<99,9995 corresponding to filter class H13 according to DS EN1822.	-	<b>Absolute filter HEPA/H13 <sup>2)</sup></b> , HS Mikro S, in MDF-frame, antistatic (earth cable) <b>610x610x292mm</b> , 2100m <sup>3</sup> /h (08 177 025)	<b>Absolute filter HEPA/H13 <sup>2)</sup></b> , HS Mikro S, in MDF-frame, antistatic (earth cable) <b>610x610x292mm</b> , 2100m <sup>3</sup> /h (08 177 025)
	-	<b>Absolute filter HEPA/H13 <sup>2)</sup></b> , HS Mikro SFV, in metal frame, antistatic <b>610x610x295mm</b> , 4000m <sup>3</sup> /h (08 177 925)	<b>Absolute filter HEPA/H13 <sup>2)</sup></b> , HS Mikro SFV, in metal frame, antistatic <b>610x610x295mm</b> , 4000m <sup>3</sup> /h (08 177 925)

<sup>1)</sup> Filtration efficiency, E (%): E>95 corresponding to filter class F9 according to DS EN779

<sup>2)</sup> Filtration efficiency, h (%): 99,97<h<99,9995 corresponding to filter classe H13 according to DS EN1822



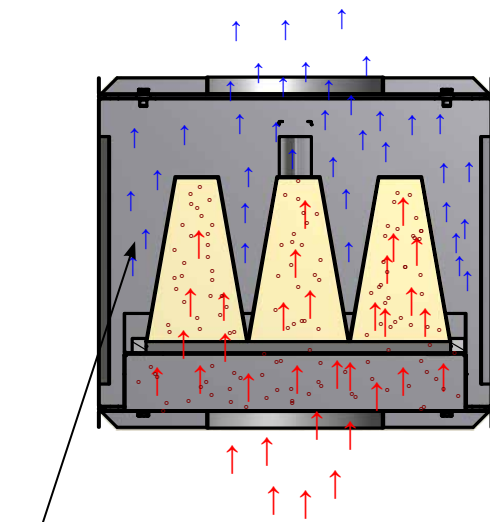
Photo: Compact filtre



Photo: HEPA-filters

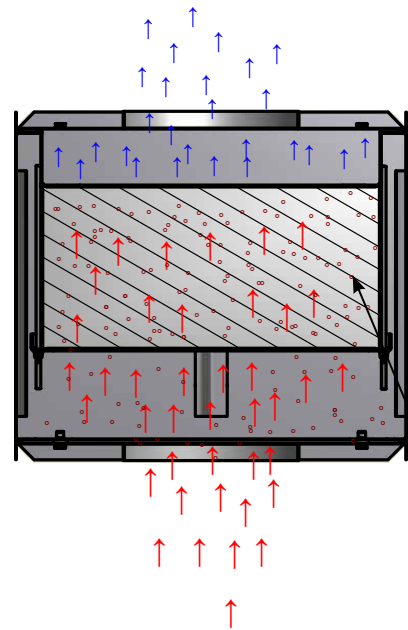
**For further information regarding filters we refer to the brochure page for filter materials!**

Principle sketch for flow through cabinet type KF-A with inlet in bottom (version without legs):



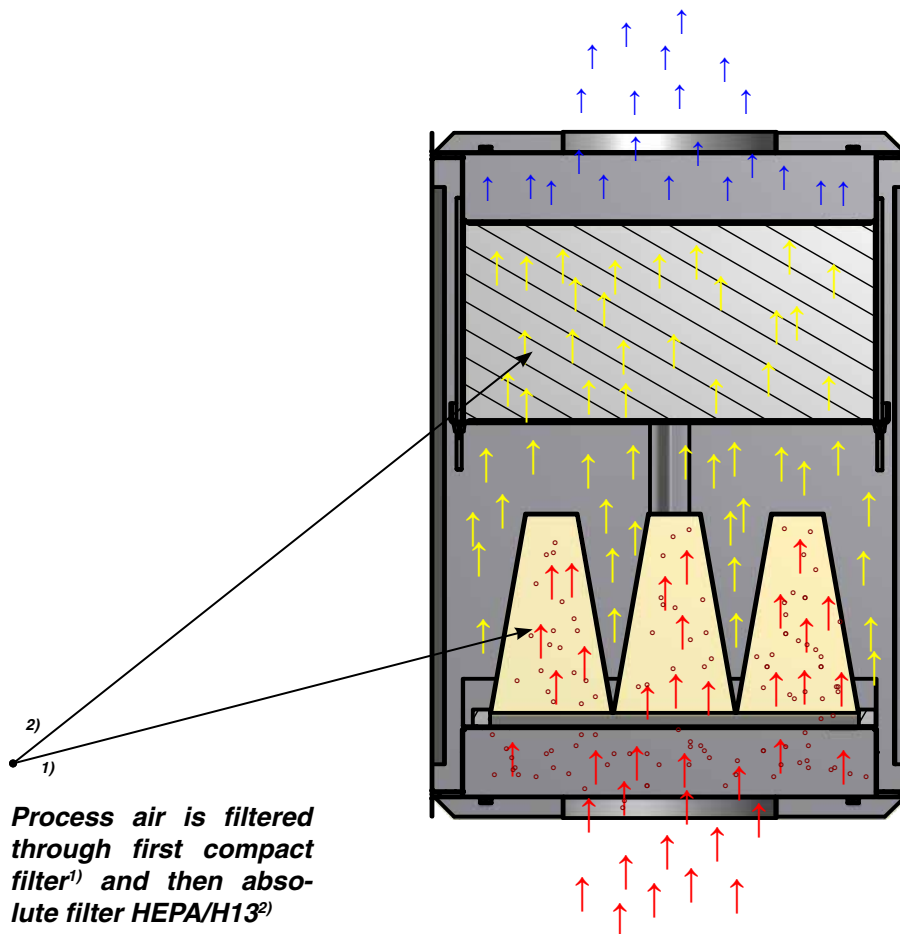
*Process air is filtered through compact filter in air relief chamber*

Principle sketch for flow through type AF-A with inlet in bottom (version without legs):



*Process air is filtered through absolute filter HEPA/H13 in air relief chamber*

Principle sketch for flow through cabinet type AFK-A with inlet in bottom (version without legs):



*Process air is filtered through first compact filter<sup>1)</sup> and then absolute filter HEPA/H13<sup>2)</sup>*

# CABINETS DISPOSABLE FILTERS Ex II 2DG TYPE KF-A/AF-A/AFK-A

## Construction/surface

Filter cabinet is made in 1.5mm black steel plate  
Surface powder enamelled RAL 5007/7011 structure

## Further is available:

- Version in hot-galvanized, enamelled steel plates for outdoor mounting
- Aluminium spark arrest with labyrinth 592x592x25mm (for cabinet type KF-A or AFK-A)
- Gram FLEX-mountings



*Photo:  
Cabinet type KF-A 1M7 shown with top with outlet grid*

Where re-circulation is permitted the cabinet as single version can be made with diffuse outlet through grid in top.

# CABINETS DISPOSABLE FILTERS Ex II 2DG TYPE KF-A/AF-A/AFK-A

Cabinets for disposable filters are available in the sizes as stated in the forms below:

Please, contact us for assistance in selecting the optimal cabinet taking into consideration the requested filter.

## Cabinet for compact filter type KF-A (delivered excl. filter):

Type	Order no.	$\Delta P$ start/end <sup>1)</sup> [Pa]	Legs	Connection placement	Number possible compact filter(s)	Number Minihelic-differential pressure manometer	Weight [kg]
KF-A 1M7	10 453 000	175/600	No	Bottom/top	1	-	44
KF-A 1M7	10 453 100	175/600	Yes	Side/top	1	-	71
KF-A 1M7	10 453 200	175/600	No	Bottom/top	1	1	43
KF-A 1M7	10 453 300	175/600	Yes	Side/top	1	1	75
KF-A 2	10 453 600	175/600	No	Bottom/top	2	-	96

## Cabinet for absolute filter type AF-A (delivered excl. filter):

Type	Order no.	$\Delta P$ start/end <sup>1)</sup> [Pa]	Legs	Connection placement	Number possible compact filter(s)	Number Minihelic-differential pressure manometer	Weight [kg]
AF-A 1M7	10 454 000	250/750	No	Bottom/top	1	-	46
AF-A 1M7	10 454 100	250/750	Yes	Side/top	1	-	77
AF-A 1M7	10 454 200	250/750	No	Bottom/top	1	1	45
AF-A 1M7	10 454 300	250/750	Yes	Side/top	1	1	77
AF-A 2	10 454 600	250/750	No	Bottom/top	2	-	99

## Cabinet for compact and absolute filter type AFK-A (delivered excl. filter):

Type	Order no.	$\Delta P$ start/end <sup>1)</sup> [Pa]	Legs	Connection placement	Number possible compact filter(s)	Number possible absolute filter(s)	Number Minihelic-differential pressure manometer	Weight [kg]
AFK-A 1M7	10 455 000	425/1350	No	Bottom/top	1	1	-	67
AFK-A 1M7	10 455 100	425/1350	Yes	Side/top	1	1	-	98
AFK-A 1M7	10 455 200	425/1350	No	Bottom/top	1	1	2	65
AFK-A 1M7	10 455 300	425/1350	Yes	Side/top	1	1	2	98
AFK-A 2	10 455 600	425/1350	No	Bottom/top	2	2	-	117

<sup>1)</sup> Pressure drop stated above filter. The stated values are calculated on the basis of compact and absolute filters from V. Aa. Gram A/S.