

#### A FEW PRACTICAL BENEFITS :

Professional quality "Made in Germany" – originally produced by Trotec

Unique in the world: Professional air cleaner – variably applicable for building site and cleanroom renovations with only one device

Dust class H, approvable for asbestos abatement as per TRGS 519

Already prepared for future directives of the (German) employer's liability insurance association regarding the use of portable air purification equipment

Vario-shift function to adapt the use of the filter ladder with terminal fan or HEPA filter

Sensor-supported Flowmatic control for the automatic retention of the preselected air volume (TEC 5000 and 6500)

NGE

TROTEC

Monoventic regulator for precise and infinitely adjustable amounts of air

Visual and acoustic alternating display for pre- and main filter – sensor-supported

Equipped as standard with stacking aid and shock protection (TAC 5000 and 6500)

Simple filter change via quick top unlocking device (TAC 5000, 6500) or service flap (TAC 1500, 3000)

You need to rent one or more air cleaners and need one fast?

Use the quick and cost-effective rental solutions from Europe's leading renter for sub-rentals:

unbeatable rental prices

attractive transport costs 24 hour express delivery

delivery all over Europe

# **TAC Professional Air Cleaner**

Just a "TAC" better: The new professional air cleaner generation with their application variably ranging from "standard construction sites" over asbestos abatements to hygiene-sensitive areas even in cleanroom environments – and all that with only one device!

Safe investment:

TROTEC

Already prepared for future directives of the (German) employer's liability insurance association regarding the use of portable air purification equipment

The optimum solution for construction and restoration work in indoor environments contaminated with dust, mineral fibres, mould spores or allergens!



### AIR CLEANING

TAC air cleaner – further information...

→

Humidification

Heating

Ventilation



## **VARI@Shift**

### Neat: All in one according to construction site & cleanroom standards!

Conventional air cleaners with inflexibly arranged filter ladders can well be used

in construction zones, but are completely unsuitable for renovation work in cleanroom environments and thus prohibited.

Because of the operational requirements of terminal

high-efficiency particulate air filters in cleanroom surroundings the HEPA filter has to be downstream of the fan as the last link at the end of the filter chain.

Since such a filtration sequence, inflexibly arranged, is on the other hand economically absolutely useless for renovation works infested with mould, because the fan would be contaminated with spores and would have to be elaborately cleaned and disinfected each

### Sophisticated features:

- ① Separate, sensor-supported alternating display for pre- and main filter, both visual and acoustic.
- Monoventic regulator for precise and infinitely adjustable amounts of air.
- 3 Operating hours counter for an accurate accounting of the period of application and maintenance planning.
- (4) Sensor-supported Flowmatic control with real-value selection of the air volume in m3/h.
- Quick and easy top unlocking device (5) of TAC 5000 und 6500 for
- a comfortable filter change
- Vario-shift function to adapt the use of the filter ladder with terminal fan or HEPA filter.
- (7)User-friendly service panels with automatic locking.





time, it has as yet been impossible to meet both requirements flexibly and

comfortably with only one air purification unit and without the use of additional attachment parts.

Thanks to the globally unique Vario-shift function, Trotec's TAC air cleaners can, by con-

trast, be variably adjusted for all application scenarios and in line with the regulations.

As the only portable air cleaner on the market, only TAC devices are equipped for a fast change of position of fan and HEPA unit, meaning you can re-arrange the filter chains in line with demand in the required sequence for standard or cleanroom applications at any time.

TROTEC

### Against all opposition: Volumetric flow remains constant!

To realize the stipulated air exchange rates for the inside rooms to be attended to, a constant volumetric flow during the whole period of application is compulsory, because otherwise, with a reduced effective air flow rate, the required amount of air can no longer be achieved.

However, process-related, the used filter elements are gradually clogging up, which leads to an increase in counter pressure and a reduction of the air flow rate. Furthermore, connected air transport hoses affect the amount of air effectively available at the end of the hose, depending on their length and number of spiral tracks.

Using conventional air cleaners, one has to work with distinctly elevated starting values in order to meet the air change requirements for the entire processing time and to be able to compensate an inevitable reduction of volumetric flow. But even these measures cannot guarantee for the values to remain below the target over the entire period of ap-

plication and, moreover, increase the filter elements' wear and tear.

This problem can be solved more professionally using the electronic volumetric flow regulation automatism of our TAC 5000 and 6500 air cleaners - the first portable air cleaners employing this technology worldwide!

#### The sensor-supported Flowmatic control of these TAC devices is unique in the world and basically works like the "cruise control" in your car:

The Flowmatic sensors capture the actual values of the air flow rate within the entire filter chain and continually adjust the system performance dynamically, so that the once numerically predefined target value for the amount of air can be kept constant in every situation!

This does not only increase filter lifetime and system efficiency, but also guarantees the compliance with the air exchange rates required by law.

1



Accessories

The Air Cleaner TAC 5000 and TAC 6500 are equipped as standard with forklift pockets. conditioning

Air



TAC air cleaner – further information...

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## Professional air cleaners of the TAC series – the optimum solution for any application requirement...

Wherever there is construction or restoration work in progress, enormous amounts of dust emerge and this pollution not only affects the employed craftsmen, but also the users of adjacent areas.

Many building activities cause high concentrations of dust, not only when using angle grinders or during blasting, chiselling or demolition operations, but also when mixing dry mortar, spackle or tile cement.

Often the dust remains in the breathing air for hours. One construction worker inhales approx. 10,000 litres of air per working day. Up to 95% of the dust are then exhaled, coughed up or swallowed.

The remaining 5 % however should not be taken lightly, for they can cause serious illnesses.

Especially critical are dusts from quartziferous stones, artificial mineral fibres, wood, cellulose and asbestos. What adds to this is the pollution with spores, allergens and microfibres, f.i. in the





building, insulation layer or mould fungus restoration.

The room air exposure to impurities is thus more than just an unpleasant side effect.

Without the application of suitable air purification systems, dust and hazardous substances can spread in the building unrestrictedly which entails harmful effects on the inhabitants' health and inventory. Therefore they have to be dynamically combatted, not least because of prevailing hazmat regulations.



The air cleaners of the TAC series are ideal solutions for air extraction and cleaning contaminated work spaces.

These modest, portable, professional devices with robust metal housing were especially designed for the rough everyday work on ever-changing construction sites and can be adjusted need-based for any application owing to the infinitely adjustable air volume.

Due to the modularly and flexibly combinable filter modules of the TAC air cleaners, an optimum filter combina-



tion can be compiled for any level of room air contamination – thanks to the Vario-shift function also with variably placeable terminal HEPA filter for cleanroom conditions.

#### Filtration range:

- Asbestos dust
- Quartz dust
- Building rubble
- Flour dust and wood dust
- Mineral fibres
- Mould spores
- Paint particles

#### Typical fields of application:

- Blasting operations
- Construction work and renovations
- Water damage restoration
- Fire damage restoration
   Mould fungues remediation
- Mould fungus remediation
- Asbestos abatement
- Cleanroom applications



AIR CLEANING

TAC air cleaner – further information...



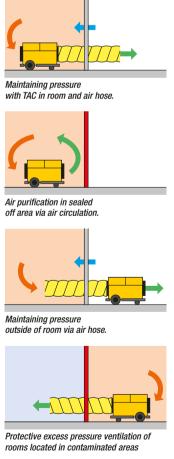
# Which sizes of hazardous particles call for which filter combinations?

Pollutant particles in the air can be classified according to their size. The accompanying graph illustrates a practiceoriented overview of which filtration efficiencies and filter combinations are implemented for which levels of room air contamination (indication of size in micrometres, one micrometre equals a thousandth of a millimetre).

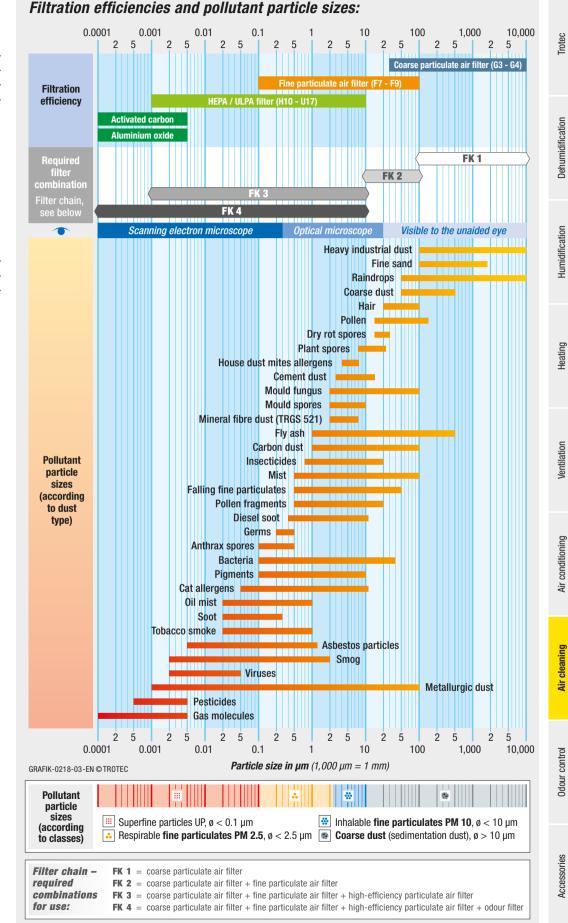
# Examples for use of TAC air cleaners

The purification of contaminated room air takes place by means of vacuum recirculation. In case of simple applications, TAC air cleaners can be placed directly in the doorway. Alternatively, the air can be led to pollutant-free areas using hoses.

With TAC air cleaners it is easy to realize the most diverse varieties of application:



In addition to the above, many other variations are possible with the flexibly applicable TAC air cleaners!

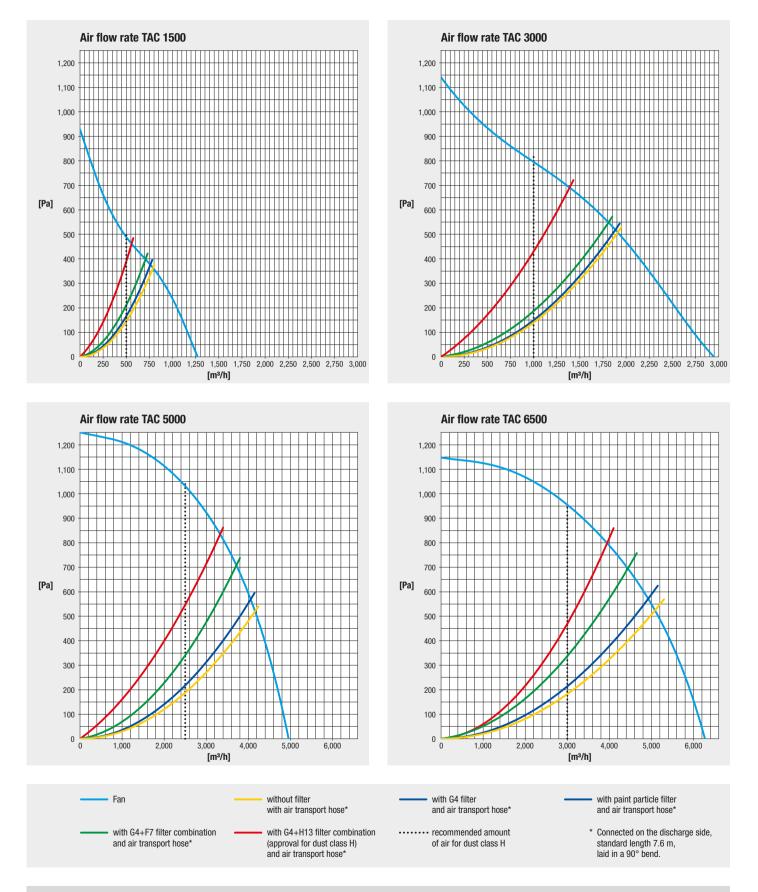




#### TAC air cleaner – further information...

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## **Overview of the TAC series' performance charts**



When the air hose is laid stretched and arc-free, an increase of air volume by up to 25 % is possible!



Technical data		TAC 1500 TAC 3000		TAC 5000		TAC 6500		1		
Article number		1.580.000.105 1.580.000.115		1.580.000.125		1.580.0	1.580.000.135			
Amount of air		see performance charts on page 134							Trotec	
Recommended amount of air for dust class H [m <sup>3</sup> /h]		500 1,000			1,500 2,000		000	坦		
Dust class (as per DIN EN 60335-2-69)		Dust class H (transmittance ≤ 0.005 %) for substances with a maximum allowable concentration of ≤ 0.1 mg/m <sup>3</sup> , carcinogenic hazardous substances as per GefStoffV § 11 (Ordinance on Hazardous Substances), TRGS 905 or 906 (Technical Rules for Hazardous Substances), approvable for asbestos abatement as per TRGS 519								
Infinite adjustment of air volume							I .	Г		ion
Flowmatic regulation of air volume		-			-		I			Dehumidification
Alternating filter display,	Prefilter						I I	Г	•	nmid
visual and acoustic	Main filter		I	I			I	ſ		Dehi
Vario-shift function for the variable config of use with terminal fan or HEPA filter	juration	•	I		•	-	I		•	
Motor power [W]		17	5	4	50	1,2	70	1,4	400	_
Input voltage [V/Hz]		230 / 5	50-60	230 /	50-60	230/5		230 /	50-60	Humidification
Current consumption [A]		1.4	4	2	.8	5.	6	6	i.0	idific
Electrical connection / connecting cable			Sa	afety plug (CEE	7/7) / rubber (	conduits (H05R	N-F), length (	3 m		Hum
, i i i i i i i i i i i i i i i i i i i	Suction side	20			50	. 40			50	
Air transport hose connector [ø mm]	Blow-out side	20			50	40			50	
Sound level (distance 1 m) [dB(A)]		6			65	68			68	
Length [mm]		70			33	1,2			252	
Width [mm]		362 377		460		690 926		790		Heating
Height [mm]										포
Weight (full) [kg]		22			36	125		136		
Mobility: portable / wheeled / stackable					■/■	-/■/■			-/ <b>=</b> / <b>=</b>	
		TAC 1			3000	TAC 5			6500	
Recommendation for filter combination to the application and corresponding in the application and corresponding in the second se			1500			ms to a size of			0300	tion
Field of application	Filter combination	m <sup>3</sup>	m²	m <sup>3</sup>	m²	m <sup>3</sup>	m²	m <sup>3</sup>	m²	Ventilation
Coarse dust <sup>2)</sup> ( $\leq$ 3 LW/h <sup>6)</sup> )	G4	220	88	500	200	1,200	480	1,400	560	*
Fine particulates <sup>3)</sup> ( $\leq$ 3 LW/h <sup>6)</sup> )	G4 + F7 to F9	110	44	270	108	600	240	750	300	
Suspended matter <sup>4)</sup> ( $\geq$ 10 LW/h <sup>6)</sup> )	G4 + H13	50	20	100	40	150	60	200	80	
Hygienic areas <sup>5)</sup> ( $\geq$ 15 LW/h <sup>6)</sup> )	G4 + H13	35	14	70	28	110	44	135	54	Ð
Optional equipment (accessories)		TAC 1	1500	TAC	3000	TAC 5	5000	TAC	6500	conditioning
Guiding wheels with pneumatic tyres, tra	celess	-		-		Upon request		Upon request		ondit
Trestle rollers (instead of guiding wheels)		Series		Series		Upon request		Upon request		Air c
Filter elements (accessory consumables) 1)		TAC 1	1500	TAC	3000	TAC S	5000	TAC	6500	
Overspray filter					Article number 7.160.000.432		Article number 7.160.000.452		Article number 7.160.000.479	
G4 Z line filter		Article number 7.160.000.404		Article number 7.160.000.428		Article number 7.160.000.448		Article number 7.160.000.454		Air cleaning
F7 pleated filter cartridge		Article number 7.160.000.409		Article number 7.160.000.429		Article number 7.160.000.449		Article number 7.160.000.476		Air
F7 bag filter			Article number 7.160.000.414		Article number 7.160.000.430		Article number 7.160.000.450		Article number 7.160.000.477	
H13 HEPA filter approved for dust class H		Article n 7.160.0		Article number 7.160.000.431		Article number 7.160.000.451		Article number 7.160.000.478		Odour control
Available accessories		TAC 1	1500	TAC	TAC 3000		TAC 5000		TAC 6500	
Air transport hose Tronect SP-T <sup>®</sup> , length 7.6 m		Article n 6.100.0		Article number 6.100.001.202		Article number 6.100.001.212		Article number 6.100.001.214		
								Article I		Accessories

<sup>1)</sup> With an assumed room height of 2.5 m; <sup>2</sup><sub>0</sub> Typical coarse dust tasks: saving, filing; <sup>3</sup> Typical fine dust tasks: restoration works with materials containing minerals or glass wool; <sup>4)</sup> Typical suspended matter tasks: grinding, asbestos abatement or mould remediation, mineral dusts etc.; <sup>5)</sup> H13 downstream; <sup>6)</sup> Air exchange per hour; <sup>7)</sup> Other filters and filter classes available on request; <sup>8)</sup> This and other air transport hoses are described starting on catalogue page 156.

### A FEW PRACTICAL BENEFITS:

> TROTEC

Professional quality "made in Germany" – originally produced by Trotec

Versatile filter system for the extraction of dust and spray paint mists

Dust class H, approvable for asbestos abatement as per TRGS 519

Enormously robust and stackable metal housing

Powerful premium fan

Monoventic regulator for precise and infinitely adjustable amounts of air

Visual and acoustic filter change indicator

Operating hours counter

Low-maintenance, stackable construction with quick release fasteners for simple filter change





more air cleaners and need one fast?

Use the quick and cost-effective rental solutions from Europe's leading renter for sub-rentals:

unbeatable rental prices

attractive transport costs

24 hour express delivery

delivery all over Europe

# Air cleaner TAC 1500 S

The robust standard solution for clean air during restoration, reconstruction and expansion or painting work using airless paint spraying systems



The TAC 1500 S is the economical solution for all users who do not want to do without the performance advantages of the professional air cleaner TAC 1500 on construction sites and during restoration work, but who neither want to use the device in hygienic areas nor in cleanroom environments.

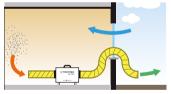
For this purpose the Vario-shift function for terminal HEPA filters as well as the separate prefilter change indicator were omitted, while the air flow rates were kept completely identical to those of the TAC 1500 and can also be adjusted as needed via the infinitely adjustable Monoventic air volume control.

TAC 1500 and TAC 1500 S by comparison – application-oriented selection guide	TAC 1500	TAC 1500 S
Extraction of spray paint mists for spray painting or airless applications	~	~
Dust extraction during construction work according to dust class M (occupational exposure limit $> 0.1$ mg/m <sup>3</sup> ), for instance mineral wool dust, wood dust, lead dust	~	~
Dust extraction during restoration work according to dust class H (occupational exposure limit $< 0.1 \mbox{ mg/m^3}$ ), for instance mould spores, mineral fibres, bitumen, quartz dust, asbestos (observe TRGS 519)	~	~
Air purification during work in hygienic areas* according to dust class H, for example hospitals, laboratories, doctors' offices	✓	-
Air purification during work in cleanroom environments*	$\checkmark$	-

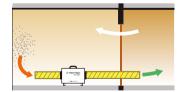
\* terminal HEPA filter required according to dust class H;

separate prefilter control device recommended in addition to main filter control device.

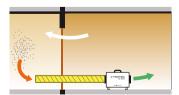
#### Typical applications:



Negative pressurization with external discharge of the filtered air to avoid hazards in adjacent areas.



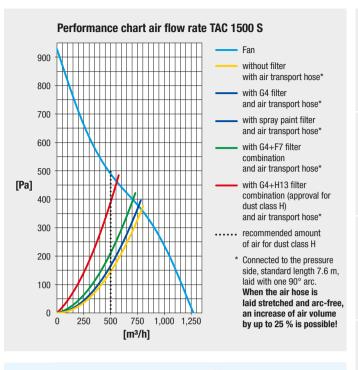
Negative pressurization with discharge of the filtered air into an adjacent room sealed with foil.



Negative pressurization with extraction of the filtered air from an adjacent room sealed with foil. With this version, the device remains free from dirt.



Article number       1.580.00.104         Max. air volume [m³/h]       see performance drat         Recommended amount of air for dust class H [m³/h]       SOU         Dust class (as per DIN EN 60335-2-69)       H         Infinite adjustment of air volume       -         Flowmatic regulation of air volume       -         Flowmatic regulation of air volume       -         Vario-shift function*       -         Qual counter for operating and kilowat hours 1       7.14.000.000         Dual counter for operating and kilowat hours 1       7.14.000.000         Dual counter for operating and kilowat hours 1       7.14.000.000         Dual counter for operating and kilowat hours 1       7.14.000.000         Current consumption [A]       -       1.5         Int ransport hose connecting roll       Suction side       200.0000         Max sound level (distance 1 nn) (dB(A)       6       -         Kith (mm)       64       -       -         Mobility: portable / wheeled / stackabu       500.0000       -       -         Recommendation frifter combination       fm       me       -         Recommendation frifter combination       Max       -       -         Recommendation frifter combination       fm       me       -	Technical data		TAC 15	00 S	
Recommended amount of air for dust class H [m³/h]     SU       Dust class (as per DIN EN 60335-2-69)     H       Infinite adjustment of air volume     -       Hormatic regulation of air volume     -       Vario-shift function*     -       Vario-shift function*     -       Querating hours counter     7.140       Dual counter for operating and kilowath hours *     7.140       Motor power [W]     17       Input voltage [V/H2]     230 / 500       Current consumption [A]     1.4       Electrical connection / connecting cable     CEET/77 / 15FN-F, length 3m       Air transport hose connector [6 mm]     Suction side     200       Biow-out side     200     -       Max. sound level (distance 1 m) [d8(A)]     6     -       Height [mm]     610     -       Width [mm]     610     -       Height [mm]     7     -       Width [mm]     64     200       Width [mm]     64     200       Specific to the application and correstording consiste suitability     ma*       Field of application     Fitter combination     ma*       Field of application     64 + F7     110     44       Suspended matter <sup>6</sup> (> 10 LW/h <sup>3</sup> )     64     20     88       Field of application <t< td=""><td>Article number</td><td></td><td colspan="3">1.580.000.104</td></t<>	Article number		1.580.000.104		
Dust class (as per DIN EN 60335-2-9)     I Infinite adjustment of air volume     I       Flowmatic regulation of air volume     I       Flowmatic regulation of air volume     I       Vario-shift function*     I       Vario-shift function     I       Querating hours counter     I       Querating hours counter     I       Dual counter for operating and kilowatt hours *     7.140-US       Motor power [W]     I       Input voltage (V/Hz)     CEF/7/ HOSRN-F       Current consumption [A]     CEF/7/ HOSRN-F       Electrical connection / connecting cable     CEF/7/ HOSRN-F       Max sound level (distance 1 m) (dB(A)     CEF/7/ HOSRN-F       Moting [Mm]     Suction side     U       Width [mm]     I     I       Height [mm]     I     I       Width [mm]     I     I       Height [mm]     I     I       Width [mm]     I     I       Height [mm]     I     I       Weight [kg]     I     I       Feremendation for fifter combination size suitability     II       Filter combination matcrifiter combination matcrifiter combination matcrifiter combination matcrifiter combination matcrifiter combination matcrifiter combination for filter combination for filt	Max. air volume [m³/h]		see performance chart		
Infinite adjustment of air volume       -         Flowmatic regulation of air volume       -         Vario-shift function*       -         Vario-shift function*       -         Querating hours counter       7.140 ∪ JOS         Dual counter for operating and kilowatt hours*       7.140 ∪ JOS         Motor power [W]       175         Input voltage [V/H2]       20 / JOS         Current consumption [A]       Electrical connection / connecting cable       CEE777 / HOSRN+F.         Air transport hose connector [@ m]       Suction side       200         Max. sound level (distance 1 m) (JB(A)]       665       1000000000000000000000000000000000000	Recommended amount of air for dust	class H [m <sup>3</sup> /h]	500	)	
Flowmatic regulation of air volume     -       Visual and acoustic filter change indicator     -       Vario-shift function*     -       Operating hours counter     7.14∪∪∪903       Molor power [M]     7.14∪∪1000       Input voltage [V/Hz]     230 / 50-60       Current consumption [A]     1.4       Electrical connection / connecting cable     0EET/THOSING       Air transport hose connector [m]     200 / 50-60       Motor power [M]     1.4       Electrical connection / connecting cable     0EET/THOSING       Max sound level (distance 1 m) (dB(J)     6E       Meight [mm]     6E       Vidth [mm]     6E       Weight [kg]     1.5       Notifity: portable / wheeled / stackable     7       Field of application and corresponding consistes witability     88       Field of application     Filter combination       Specific to the application and corresponding consistes (§ 3LW/h)     64       Garse dust (§ 3LW/h)     64     20       It are dust § (§ 3LW/h)     64     20       Syspender matter § (© 1LW/h)     64     20       It genements (accessory consume)     7     0       Syspender matter § (© 1LW/h)     64     20       Syspender matter § (© 1LW/h)     64     20       Syspender matter § (©	Dust class (as per DIN EN 60335-2-69	))	Н		
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(MD-compliant*)7.140.000.903Motor power [W]175Input voltage [V/Hz]230 / 50 - 60Current consumption [A]1.4Electrical connection / connecting cableCEE777 / HOSRN-F, length 3 mAir transport hose connector [# mm]Suction side200Max. sound level (distance 1 m) (dB(A))65Length [mm] $61$ Width [mm] $61$ Width [mm] $61$ Weight [kg]15Mobility: portable / wheeled / stackable $-/$ Recommendation for filter combination groom size suitabilityFilter combination G4Suitable for rooms sized up to 3Field of application areas (s 3 LW/h*)G4 + F711044Suspended matter* (s 10 LW/h*)G4 + H135020Hygienic areas? (s 15 LW/h*)G4 + H135020Filter elements (accessory consume)TAC 15USSpray paint filterG4 Z-line filterImage: Simple s	Operating hours counter				
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Electrical connection / connecting cable         CEE7/7 / HOSRN-F, length 3 m           Air transport hose connector [ø m]         Suction side         200           Max. sound level (distance 1 m) (dB(A)]         610           Length [mm]         360           Width [mm]         300           Height [mm]         400           Weight [kg]         15           Mobility: portable / wheeled / stackable	Input voltage [V/Hz]	230 / 5	0-60		
length 3 m           Air transport hose connector [ø m]         Suction side $2 \cup$ Max. sound level (distance 1 m) (dB(A)] $6 \cup$ Length [mm] $0 \cup$ $0 \cup$ Width [mm] $0 \cup$ $0 \cup$ Height [mm] $0 \cup$ $0 \cup$ Width [mm] $0 \cup$ $0 \cup$ Height [mm] $0 \cup$ $0 \cup$ Weight [kg] $1 \cup$ $0 \cup$ Mobility: portable / wheeled / stackable $0$	Current consumption [A]		1.4		
Air transport hose connector [ø m]       Loce words de Bow-out side       200         Max. sound level (distance 1 m) [dB(A)]       65         Length [mm] $610$ Width [mm] $400$ Weight [kg]       15         Mobility: portable / wheeled / stackable $-//$ Recommendation filter combination grow size suitability $TAC \pm 0 S$ Suitable $-//$ rooms size suitability $m^2$ Coarse dust $^4$ ( $\leq 3$ LW/h $^6$ ) $G4$ $220$ Hygienic areas $^7$ ( $\geq 10$ LW/h $^6$ ) $G4$ + H13 $-$ Filed of application $G4 + H13$ $-$ Suspended matter $^6$ ( $\geq 10$ LW/h $^6$ ) $G4 + H13$ $-$ Syray paint filter $Article number$ $-$ Filter elements (accessory consum-les) $Article number$ $-$ Spray paint filter $Article number$ $-$ F7 pleated filter cartridge $Article number$ $-$ F7 bag filter $Article number$ $-$ H13 HEPA filter approved for dust class H $  Article number$ $  -$ H13 HEPA filter approved for dust class H $-$ <td< td=""><td>Electrical connection / connecting cab</td><td>le</td><td></td><td>· ·</td></td<>	Electrical connection / connecting cab	le		· ·	
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Width [mm]Image: Second s	Max. sound level (distance 1 m) [dB(A)	]	65		
Height [mm] $400$ Weight [kg] $1-1$ Mobility: portable / wheeled / stackable $1/-/-$ Recommendation for filter combination $1/-/-$ Recommendation for filter combination $1/-/-$ Recommendation for filter combination $1/-/-$ Suitable for rooms sized up to 3specific to the application and corresponding room size suitability $1/-/-$ Field of applicationFilter combinationm³m²Coarse dust $^4$ ( $\leq 3$ LW/h $^9$ )G4 + F7110440Coarse dust $^6$ ( $\leq 3$ LW/h $^9$ )G4 + F7110440Suppose dust $^6$ ( $\leq 3$ LW/h $^9$ )G4 + H135020Hiter elements (accessory consume)TAC 150Filter elements (accessory consume)TAC 150Spray paint filterArticle number 7.160.00.416G4 2-line filterArticle number 7.160.00.409F7 pleated filter cartridgeArticle number 7.160.00.409F7 bag filterArticle number 7.160.00.416III SIM/h $^9$ Article number 7.160.00.409F7 pleated filter cartridgeArticle number 7.160.00.424 <t< td=""><td>Length [mm]</td><td></td><td>610</td><td>)</td></t<>	Length [mm]		610	)	
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F7 bag filter       7.160.000.414         H13 HEPA filter approved for dust class H       Image: Comparison of the co	Fine dust <sup>5</sup> ( $\leq$ 3 LW/h <sup>8</sup> ) Suspended matter <sup>6</sup> ( $\geq$ 10 LW/h <sup>8</sup> ) Hygienic areas <sup>7</sup> ( $\geq$ 15 LW/h <sup>8</sup> ) Filter elements (accessory consuma Spray paint filter	G4 G4 + F7 G4 + H13 G4 + H13	220 110 50  TAC 15 Article nu 7.160.00 Article nu	88 44 20 – 00 S 0.416 umber	
for dust class H     7.160.000.424       Available accessories     TAC 1500 S       Air transport hose Tronect SP-T <sup>9</sup> Ø 203 mm, L 7.6 m, Article number 6.100.001.200       Professional extension cable,     Article number	Fine dust <sup>5</sup> ( $\leq$ 3 LW/h <sup>8</sup> ) Suspended matter <sup>6</sup> ( $\geq$ 10 LW/h <sup>8</sup> ) Hygienic areas <sup>7</sup> ( $\geq$ 15 LW/h <sup>8</sup> ) Filter elements (accessory consuma Spray paint filter G4 Z-line filter	G4 G4 + F7 G4 + H13 G4 + H13	220 110 50  TAC 15 Article nu 7.160.00 Article nu 7.160.00	88 44 20 	
Air transport hose Tronect SP-T <sup>9</sup> Ø 203 mm, L 7.6 m, Article number 6.100.001.200       Professional extension cable,     Article number	Fine dust <sup>5</sup> ( $\leq$ 3 LW/h <sup>8</sup> ) Suspended matter <sup>6</sup> ( $\geq$ 10 LW/h <sup>8</sup> ) Hygienic areas <sup>7</sup> ( $\geq$ 15 LW/h <sup>8</sup> ) Filter elements (accessory consuma Spray paint filter G4 Z-line filter F7 pleated filter cartridge	G4 G4 + F7 G4 + H13 G4 + H13	220 110 50  TAC 15 Article nn 7.160.00 Article nn 7.160.00 Article nn 7.160.00	88 44 20 	
Air transport hose Tronect SP-T <sup>9</sup> Article number 6.100.001.200         Professional extension cable,       Article number	Fine dust <sup>5</sup> ( $\leq$ 3 LW/h <sup>8</sup> ) Suspended matter <sup>6</sup> ( $\geq$ 10 LW/h <sup>8</sup> ) Hygienic areas <sup>7</sup> ( $\geq$ 15 LW/h <sup>8</sup> ) Filter elements (accessory consuma Spray paint filter G4 Z-line filter F7 pleated filter cartridge F7 bag filter H13 HEPA filter approved	G4 G4 + F7 G4 + H13 G4 + H13	220 110 50  TAC 15 Article nn 7.160.00 Article nn 7.160.00 Article nn 7.160.00 Article nn 7.160.00	88 44 20 	
	Fine dust <sup>5</sup> ( $\leq$ 3 LW/h <sup>8</sup> ) Suspended matter <sup>6</sup> ( $\geq$ 10 LW/h <sup>8</sup> ) Hygienic areas <sup>7</sup> ( $\geq$ 15 LW/h <sup>8</sup> ) Filter elements (accessory consuma Spray paint filter G4 Z-line filter F7 pleated filter cartridge F7 bag filter H13 HEPA filter approved for dust class H	G4 G4 + F7 G4 + H13 G4 + H13	220 110 50 <b>TAC 15</b> Article nu 7.160.00 Article nu 7.160.00 Article nu 7.160.00	88 44 20 00 S 00 S 0.416 0.404 0.409 0.404 0.409 0.414	
	Fine dust <sup>5</sup> (≤ 3 LW/h <sup>8</sup> )         Suspended matter <sup>6</sup> (≥ 10 LW/h <sup>8</sup> )         Hygienic areas <sup>7</sup> (≥ 15 LW/h <sup>8</sup> )         Filter elements (accessory consumation of the second	G4 G4 + F7 G4 + H13 G4 + H13	220 110 50 <b>TAC 15</b> Article nu 7.160.00 Article nu 7.160.00 Article nu 7.160.00 <b>Article nu</b> 7.160.00 <b>Article nu</b> 7.160.00 <b>Article nu</b> 7.160.00 <b>Article nu</b> 7.160.00 <b>Article nu</b> 7.160.00	88 44 20 00 S 00 S 0.416 0.404 0.409 0.409 0.404 0.409 0.404 0.00 0.5 0.7 0.5 0.5	



 Filter cover
 Filter frame for one or two coarse or fine dust air filters (G4, F7, spray paint mists)
 HEPA filter element

#### Quick filter change – variable combinations

The filter frame of the TAC 1500 S can be flexibly equipped with one or two filter elements, for example a G4 filter or an additional F7 filter, so that in combination with the HEPA filter a two- or three-stage air purification process in accordance with dust class H can be achieved. It is also possible to integrate Trotec spray paint filters – ideal when using airless systems.

1

or glass wool

mineral dusts etc.

8 Air changes per hour

7 Terminal HEPA filter required

<sup>5</sup> Typical fine dust tasks: restoration

works with materials containing minerals

<sup>6</sup> Typical suspended matter tasks: grinding,

<sup>9</sup> These and other air transport hoses are

described starting on catalogue page 156.

asbestos abatement or mould remediation,

- Standard equipment
- \* Interchangeable terminal position of fan and HEPA filter
- <sup>1</sup> Optional accessories
- <sup>2</sup> What does MID-compliant mean? In some areas, the Measuring Instruments Directive (MID) replaces the previous regulation of national authorization and subsequent calibration. As a result, all energy meters in Europe used for energy consumption-based billing have to be MID-compliant from now on.
- <sup>3</sup> With an assumed room height of 2.5 m
- <sup>4</sup> Typical coarse dust tasks: sawing, filing

Trotec

Dehumidification

Humidification

Heating

Ventilation

Air conditioning

Air cleaning

2



#### A FEW PRACTICAL BENEFITS:

Professional quality "Made in Germany" – originally produced by Trotec

Versatile filter system for dust collection or the extraction of spray paint mists

Extremely light – weighs only 6 kg (empty)

Powerful premium fan

Infinite adjustment of air volume

Impact-proof and robust ABS housing, recyclable to 100 %

Low-maintenance construction with quick release fasteners for simple filter change

Compact dimensions – easily fits into every trunk

Can be connected to different hose diameters

Handy cable organiser for safe transport

> More than 60% lighter than comparable competition models!

#### 

You need to rent one or more air cleaners and need one fast?

Use the quick and cost-effective rental solutions from Europe's leading renter for sub-rentals:

- unbeatable rental prices
- attractive transport costs 24 hour express delivery
- delivery all over Europe



*Light and powerful in equal measure – the ideal air cleaner for maintaining the pressure during restoration and renovation work* 

# Air cleaner TAC 750 E

Extremely mobile and variably applicable lightweight – agreeably small in terms of costs and dimensions

## Air purification made easy!

Whether for rebuilds, renovations or restorations – wherever there is construction work in progress the air is quickly contaminated with dust pollutants, endangering the health of employees or residents and polluting adjacent areas.

Here, the lightweight TAC 750 E constitutes the perfect solution for air cleaning in smaller construction zones and air pollution control in the surrounding facilities – due to its compact dimensions it also conveniently fits into even the smallest trunk.

Developed specifically as vacuum generator for dust-laden rooms, the TAC 750 E with its effective two-stage filter system ensures reliable HEPA filtration of the contaminated room air to protect against health hazards and dirt!



Technical data		TAC 750	E	
Article number		1.580.000.1	01	
	Without filter	750		
Max. air volume [m³/h]	With filter G4	680		
	With filter G4 and H13	290		
Underpressure max. [Pa]		720		
Dust class (as per DIN EN 60335-2-69)		Н		
Infinite adjustment of air volume				
Flowmatic regulation of air volume		-		
Filter change indication, visual and acoustic	Pre-filter Main filter			
Vario-Shift function*		-		
Motor power [W]		120		
Input voltage [V/Hz]		230 / 50-6	0	
Current consumption [A]		1.0		
Electrical connection / connecting cable		CEE7/7 / H05RN-F,	length 3 m	
LICENSERI CONTINUES OF / CONTRECTING CADIE	Suction side	200		
Air transport hose connector [ø mm]	Blow-out side			
May agund lavel (distance 1 m) [dD(A)]	BIOW-OUL SILLE	- 77		
Max. sound level (distance 1 m) [dB(A)]	A:			
Length [mm]		315		
Width [mm]		430		
Height [mm]	0 0	430		
Weight (empty / full) [kg]		6.0/7.5		
Mobility: portable / wheeled / stackable		■/-/-		
Recommendation for filter combinations to the application and corresponding roo		TAC 750 Suitable for rooms to		
Field of application	Filter combination	m <sup>3</sup>	m²	
Coarse dust <sup>2)</sup> ( $\leq$ 3 LW/h <sup>6)</sup> )	G4	250	100	
Fine particulates <sup>3)</sup> ( $\leq$ 3 LW/h <sup>6)</sup> )	G4 + F7	-	_	
Suspended matter <sup>4)</sup> ( $\geq$ 10 LW/h <sup>6)</sup> )	G4 + H13	25	10	
Hygienic areas <sup>5)</sup> ( $\geq$ 15 LW/h <sup>6)</sup> )	G4 + H13	_	_	
Filter elements (accessory consumables	)	TAC 750	E	
Spray paint filter		Article number 7.160.000.416		
G4 Z line filter		Article number 7.160.000.404		
F7 pleated filter cartridge		Article number		
ri pleateu liitei cartiluge	a second			
H13 high-efficiency particulate air filter	0	7.160.000.4 Article num	109	
H13 high-efficiency particulate air filter (as per DIN EN 1822, filtration efficiency 99.95 %)	8	7.160.000.4 Article num 7.160.000.2	09 ber 220	
H13 high-efficiency particulate air filter (as per DIN EN 1822, filtration efficiency 99.95 %)	8	7.160.000.4 Article num	09 ber 220	
H13 high-efficiency particulate air filter (as per DIN EN 1822, filtration efficiency 99.95 %) Available accessories		7.160.000.4 Article num 7.160.000.2	109 ber 120 E h 7.6 m,	
H13 high-efficiency particulate air filter (as per DIN EN 1822, filtration efficiency 99.95 %) Available accessories Air transport hose Tronect SP-T <sup>7)</sup> Hose adapter		7.160.000.4 Article num 7.160.000.2 TAC 750 Ø 203 mm, lengt	109 ber 220 E h 7.6 m, 10.001.200 ber	
		7.160.000.4 Article num 7.160.000.2 TAC 750 Ø 203 mm, lengt Article number 6.10 Article num	109 ber 220 E h 7.6 m, 10.001.200 ber 110 th 6 m,	
H13 high-efficiency particulate air filter (as per DIN EN 1822, filtration efficiency 99.95 %) Available accessories Air transport hose Tronect SP-T <sup>7)</sup> Hose adapter (ø 125 mm) Air transport hose Tronect TF-L <sup>7)</sup>		7.160.000.4 Article num 7.160.000.2 TAC 750 Ø 203 mm, lengt Article number 6.10 Article num 6.100.010.0 Ø 127 mm, leng	109 ber 220 E E	

\* Terminal changeable position of fan and HEPA filter; <sup>1)</sup> With an assumed room height of 2.5 m;
 <sup>2)</sup> Typical coarse dust tasks: sawing, filing; <sup>3)</sup> Typical fine dust tasks: restoration works with materials containing minerals or glass wool;
 <sup>4)</sup> Typical suspended matter tasks: grinding, asbestos abatement or mould remediation, mineral dusts etc.;

<sup>5)</sup> Terminal HEPA filter required; <sup>6)</sup> Air exchange per hour; <sup>7)</sup> This and other air transport hoses are described starting on catalogue page 156.

### Using the TAC 750 E air purification **becomes** mere child's play

As the lightest air cleaner of its class, the TAC 750 E can be transported from one construction site to another without difficulty and be put into operation just as easily.

The infinitely adjustable air volume regulation enables an energy-efficient adjustment of the fan performance to the required air exchange rates for the respective construction zone.

With the range of available filters you can flexibly use the TAC 750 E as twostage filter system for air cleaning in construction zones or for the extraction of spray paint mists in case of airless or compressed-air applications.

In addition to the standard connection for 203-mm hoses, smaller 127-mm hoses for air extraction can also be connected to the TAC 750 E using an optional hose adapter.

This way, the ideal hose connection is available for any requirement ranging from pinpoint suction to maintaining the pressure.



Since the TAC 750 E was scrupulously optimized for effective suction operation, it can optionally be applied either for air circulation directly in sealed-off areas or outside for maintaining the pressure via a hose connection:



Maintaining the pressure outside of the room via air hose.

air circulation.

Trotec

Dehumidification

Humidification

Air conditioning

Air cleaning