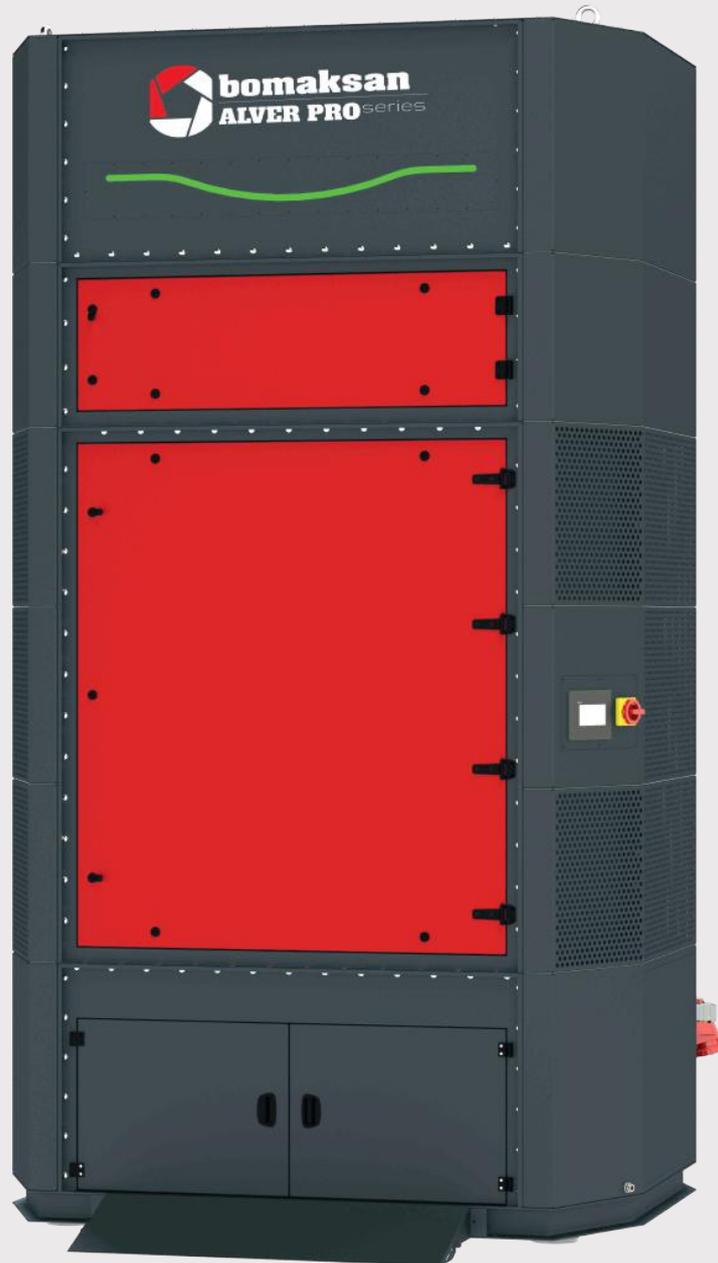


# ALVERPROseries

## JET-PULSE AIR TOWERS

### PRODUCT CATALOGUE

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**PLUG & PLAY**

The ALVERpro Series Jet-Pulse AIR TOWERS take up less space thanks to their compact design. It is a plug & play device that contains all accessories on its own.



**SILENT OPERATION**

The ALVERpro Series Jet-Pulse Air Towers enhance the air quality of your factory without causing noise pollution thanks to its specially designed noise-reducing ventilator and cabin.



**EFFICIENT & ECONOMICAL**

The ALVERpro Series Air Towers are highly efficient with a VFD controller. The extraction power can be regulated as needed. Additionally, it is very easy to install and set up for the first run.



**AUTO CLEANING**

The ALVERpro Series Air Towers have an Automatic and Scheduled Jet-Pulse Cleaning System with an integrated header tank and pulse valves. The Schedule mode ensures the best filter lifetime.



**DURABLE CONSTRUCTION**

The ALVERpro Series Air Tower has an all-steel construction, which makes the housing highly suitable for industrial applications. Any damaged parts can be easily repaired.



**EASY MAINTENANCE**

The ALVERpro Series Air Towers reduce your time and labor costs thanks to their special cartridge filter replacement mechanism and dust bin disposal mechanism.



## WELDING FUME

ALVERpro Series Air Towers are perfect match for welding fume extraction systems.

- When LEV (Local Exhaust Ventilation) is not possible
- When Local Exhaust Ventilation (On-Torch, Extraction Arms, Hoods etc.) is not enough to extract all welding fume.
- When source of pollution is changing.



## METAL WORKING DUST

ALVERpro Series Air Towers are great filters for metalworking dust and particles.

- When LEV (Local Exhaust Ventilation) is not possible
- When Local Exhaust Ventilation (On-Torch, Extraction Arms, Hoods etc.) is not enough to extract all welding fume.
- When source of pollution is changing.

## SAVE ENERGY COSTS WITH ALVERpro

Bomaksan branded ALVERpro Air Towers operate based on the endorsed principle of layered ventilation, as advised by industry associations. These units draw in contaminated air from the upper part of the system, purify it through filtration, and release it into workspaces as fresh, breathable air, situated near the floor to avoid significant air movement. The comprehensive recirculation of the cleaned air results in substantial savings of up to 70% on heating expenses during colder seasons for businesses.



• TWIN FAN

The ALVERpro Series Air Towers are equipped with Twin Fans as a standard feature. Twin fans are fans with the same motor power and rotor design. These fans are driven simultaneously by a single drive. This allows for achieving high suction power at low noise levels.



• JET-PULSE CLEANING SYSTEM

The ALVERpro Series Air Towers are equipped with a specially designed automatic jet-pulse cleaning system. This cleaning system includes solenoid pulse valves, certified header tanks and blowing pipes to ensure high efficient filter cleaning.

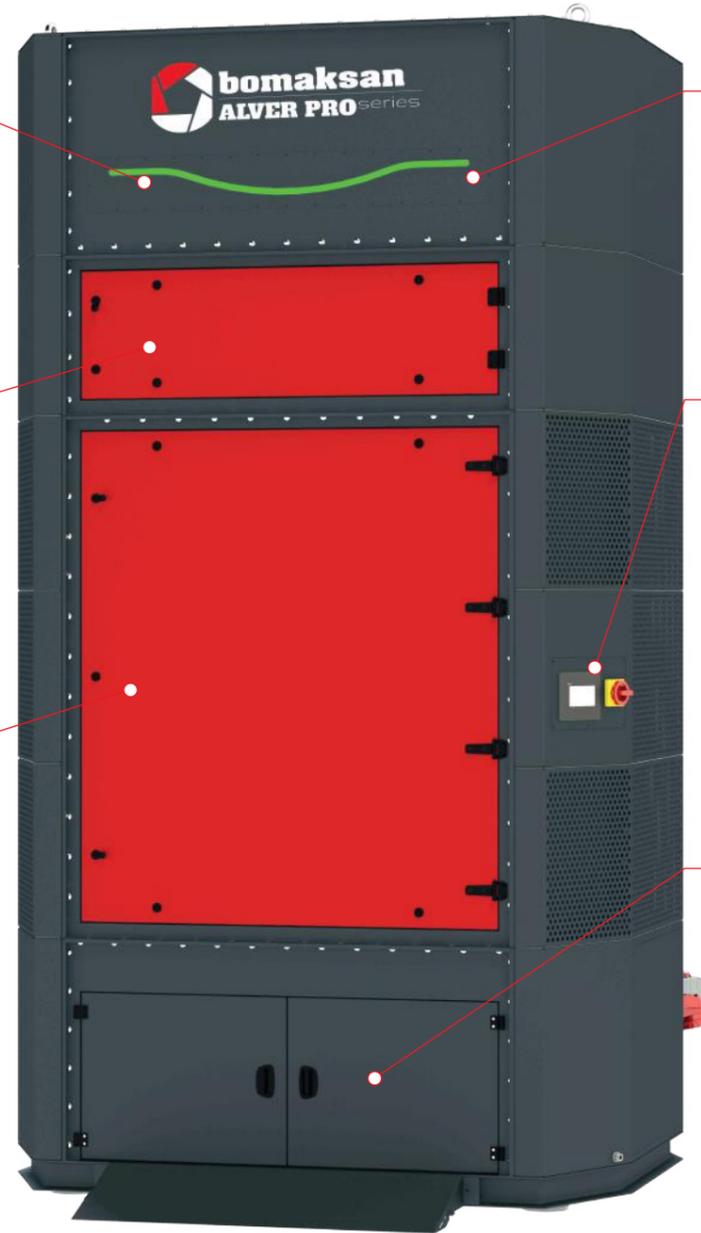


• HIGH EFFICIENT FILTERS

The ALVERpro Series Air Towers are equipped with nanoBLEND FR filters as standard feature. nanoBLEND Filters are high technology nanofiber coated filters with high filtration efficiencies. Thanks to the special PLEAT-LOCK pleating technique, pleat spacing is always equal in nanoBLEND Filters.



According to EN779:2012, F9 Class efficiency



• LED STATUS BAR

The ALVERpro Series Air Towers are equipped with LED Status Bar which shows the current status of the filter unit. It shows 3 different colour which indicate running, cleaning/holding and malfunctions.



• SMART B-CONTROL

The ALVERpro Series Air Towers are equipped with special design smart B-Control controller as standard feature. LCD Touchpanel of B-Control Controllers allows easy operation and ensure the highest working and filter cleaning efficiencies.



Easy connection to predictive maintenance softwares with wide range of connection options.

Schedule Mode allows easy setup for cleaning cycles.

• WASTE DUST CONTAINER

The ALVERpro Air Towers have waste dust containers which makes easier to dispose waste dust in the filter unit.



# OPTIONALS

## Enhance ALVERpro Experience

• EC FAN

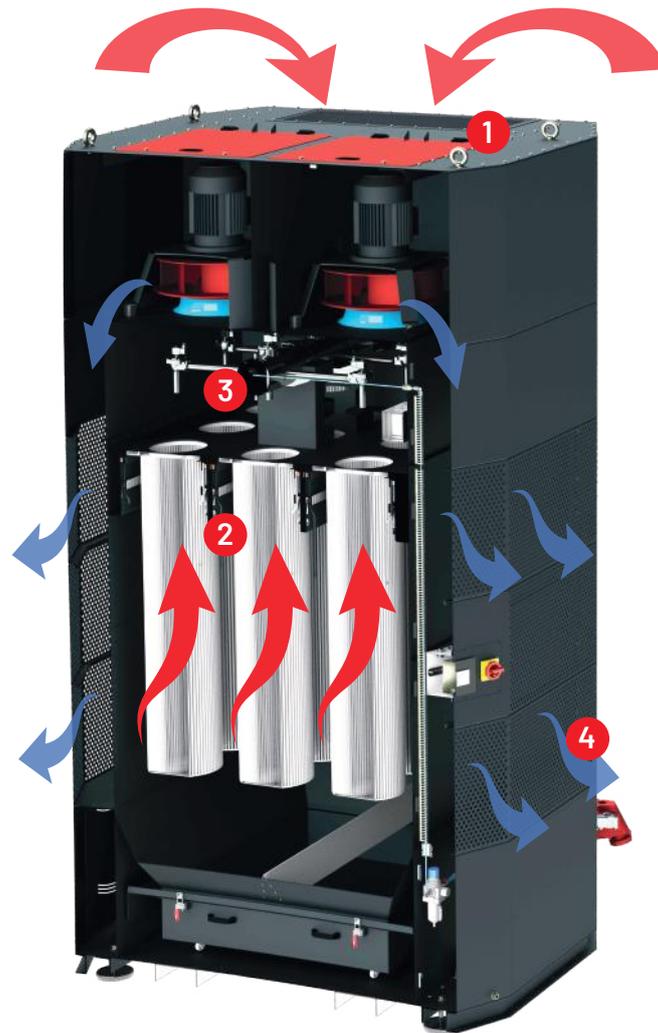
ALVERpro Series Jet-Pulse Air Towers can be equipped with high efficient EC Fans as optional feature. EC Fans provide super performance with minimal vibration, noise emission and energy consumption. Up to 50% energy saving can be reached with EC Fans.



• ePTFE MEMBRANE FILTERS

ALVERpro Series Air Towers can also be equipped with state-of-the art ePTFE Membrane Cartridge filters as optional feature. ePTFE Membrane cartridge filters ensures highest filtration efficiency in even submicron particles.





- 1 Particles like dust and fumes are extracted from the top using a specially designed dirty air inlet.
- 2 Dirty air arises in the dirty air chamber and goes through high efficient filtration media.
- 3 Clean air, drawn in by the twin fans, is then blown into the clean air channels on the side.
- 4 Clean air is distributed to the workshop with adequate air speed to not disturb workers around filter unit.

## WHY EXTRACT ON TOP?

Particles such as dust and fumes generally tend to increase in the air due to the hot temperature of their source. **This pollution can be visible at approx. 4-5 mt high.** It seems like a fog or cloud in the workshop which is extremely harmful for workers in the workshops. This is the main reason why extraction from top is a better solution. This system called the "Layered Ventilation" and highly recommended by the German employers' liability insurance assurance. This system enables you to save up to 70% on heating costs per year.



 According to EN779:2012, F9 Class filtration efficiency or according to EN1822, H14 Class filtration efficiency.

 Easy filter replacement without any additional tool requirement.

 It provides extended use without losing filtration efficiency.

In ALVERpro Series Jet-Pulse AIR TOWERS, highly efficient nanofiber coated, flame retardant, 80/20 cellulose/synthetic, filter media is used as standard. With its' superior PLEAT-LOCK pleating technique it's guaranteed the pleating sizes have been equal and better filter cleaning is ensured. Due to its' design, it can be assembled and disassembled easily.

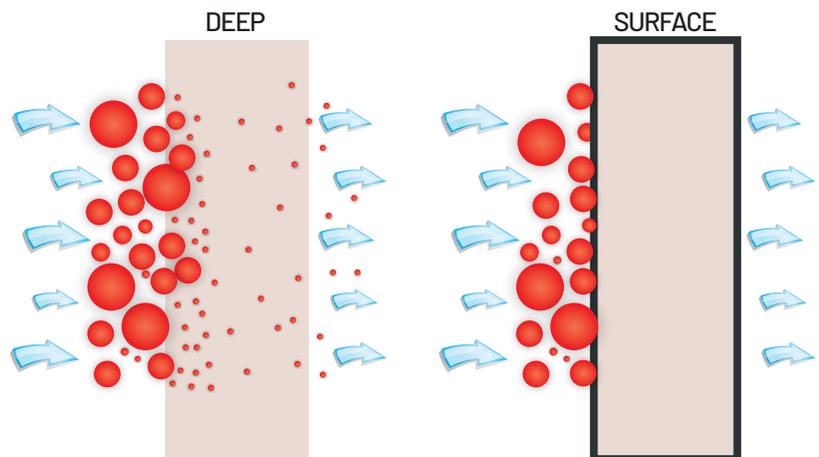
Bomaksan engineers offer the most suitable filter material for all applications and dust types. Some filter materials considering factors such as density of dust, humidity proportion, if the dust has a potential to be loaded statically and so on are as follows;

- polyMIGHT 55: %100 spunbond non-woven polyester
- polyMIGHT HO 55: Hydrophobic coating over polyMIGHT 55
- polyMIGHT ALU: Aluminium coating over polyMIGHT 55 (Antistatic)
- polyMIGHT PTFE 65: ePTFE membrane over polyMIGHT 55 (H14 efficiency)
- polyMIGHT ALU PTFE 65: ePTFE membrane over polyMIGHT ALU (Antistatic)
- nanoBLEND FR: %80 Cellulose %20 Polyester blend with nanofiber coating

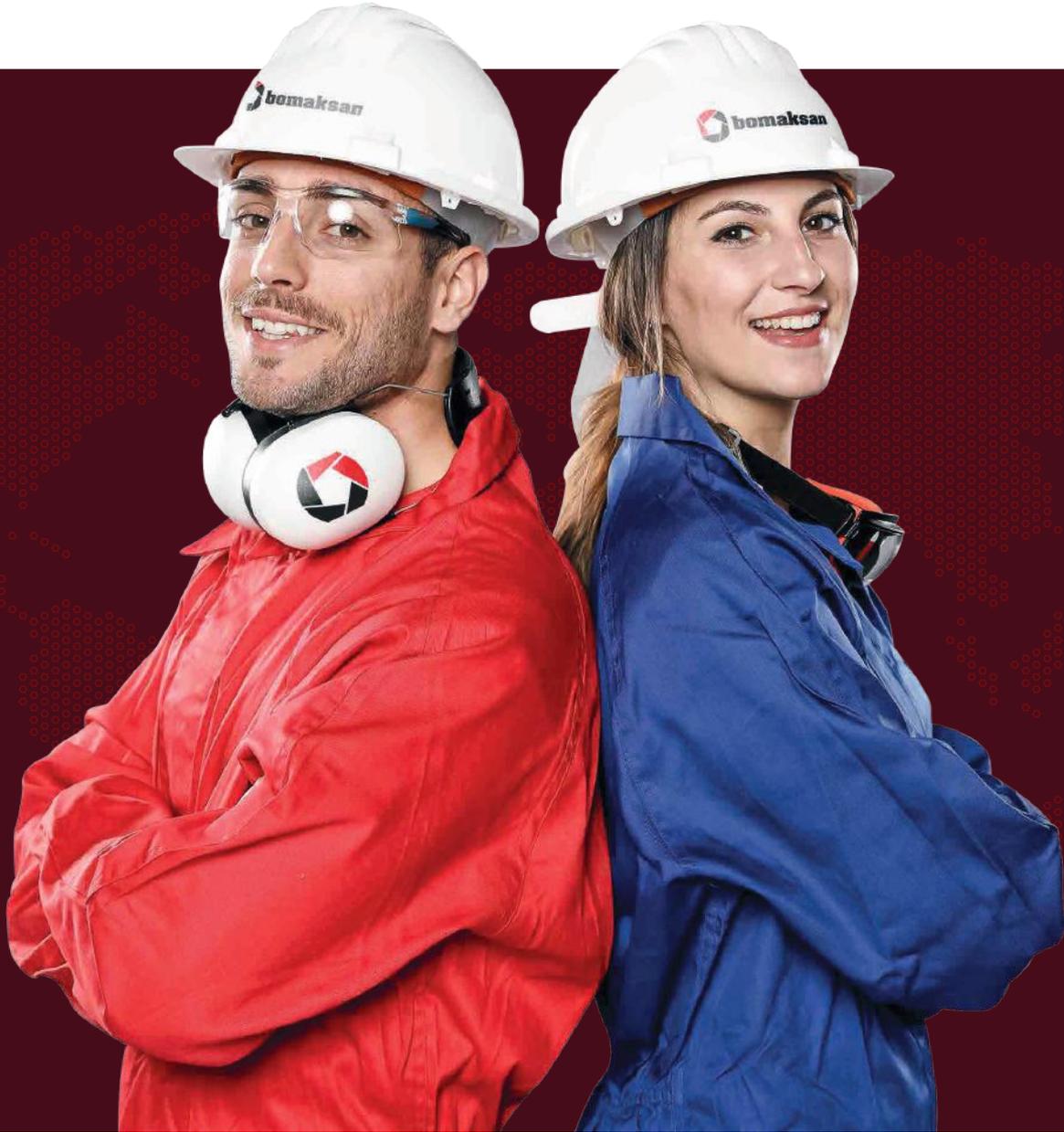
## SURFACE FILTRATION



On the contrary to traditional filters, filters made by non-woven polyester and nanoBLEND media performs the filtration not in the filter but on the surface. Therefore;



- The penetration of dust inside the filter is prevented and filter life is extended
- Higher filtration efficiency is provided
- Less differential pressure is produced and required compressed air consumption for cleaning process is decreased



Due to improvement on products, Bomaksan reserves the right to change or modify all information taking place in this brochure at any time without any prior notice

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