

VERTY series

JET-PULSE COMPACT FILTER UNIT

PRODUCT CATALOGUE





EASY INSTALLATION

VERTY Series Jet-Pulse Cartridge Filter Unit is very easy to install. After super-easy mechanical installation, plug & play the filter unit and enjoy the clean air in your shopfloor.



SUPER SMALL FOOTPRINT

VERTY Series Jet-Pulse Cartridge Filter Units take up very small space due to its super compact design. It cleans your air without taking up too much space.



EFFICIENT & ECONOMICAL

VERTY Series are designed to be economical yet efficient. VERTY Series is a compelling choice that balances affordability with functionality.



AUTO CLEANING

VERTY Series have Automatic Jet-Pulse Cleaning System with integrated header tank and pulse valves. Superior jet-nozzles ensures highest cleaning performance.



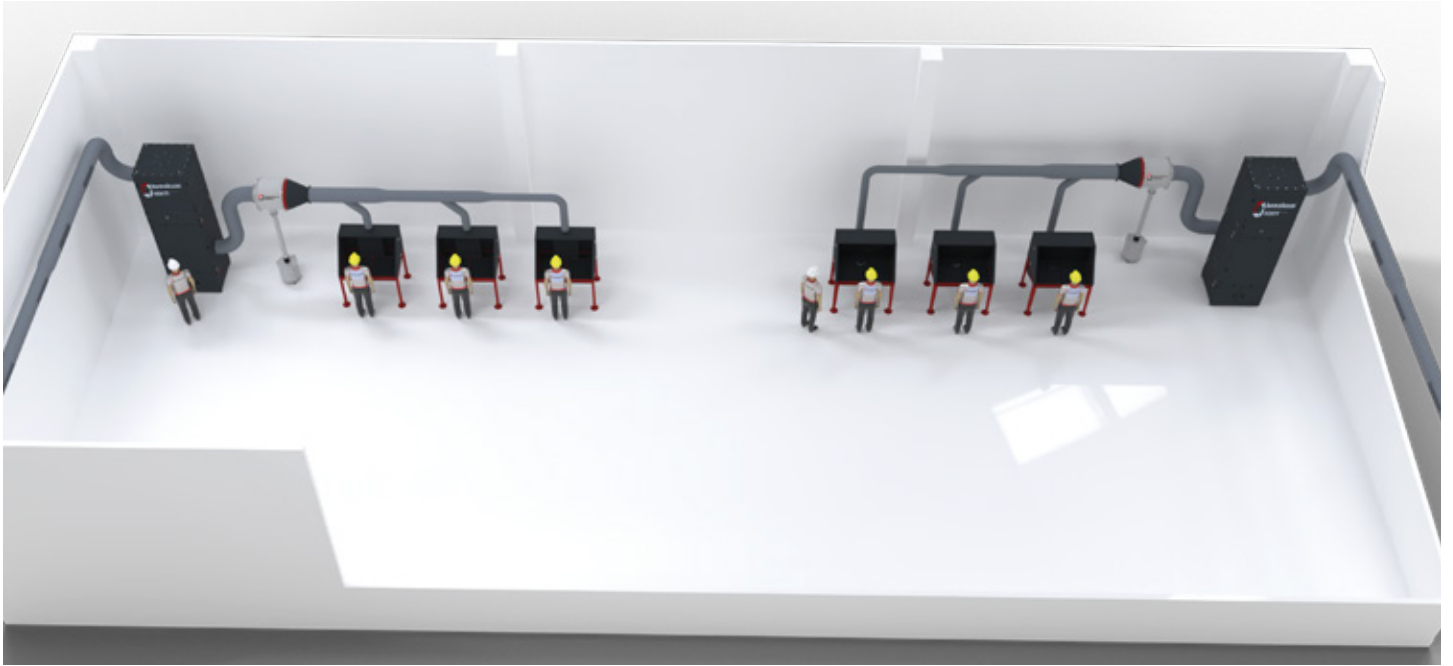
UPGRADABLE IN THE FUTURE

VERTY Series filter units are designed to be upgradable. If your need increases by time, you can upgrade your filter unit while keeping some of the parts.



EASY MAINTENANCE

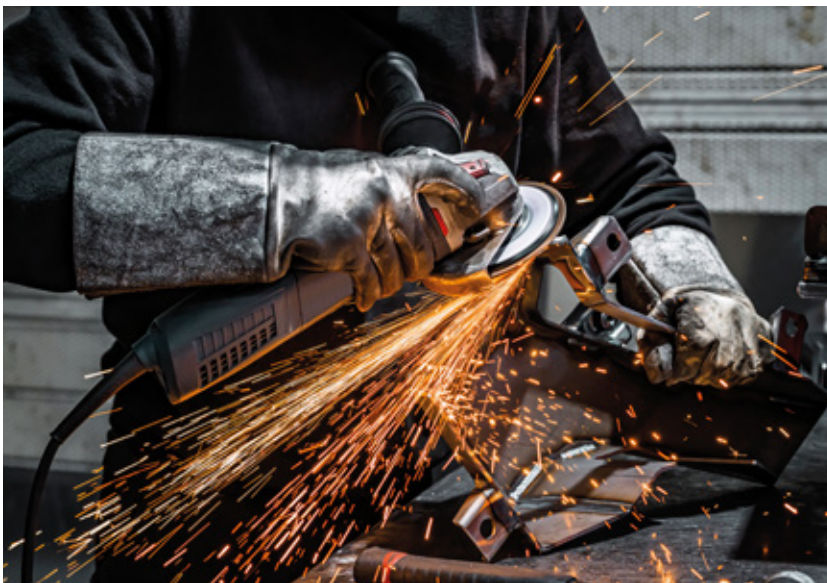
VERTY Series filter units decrease the maintenance time and lower your labour cost thanks to its special filter replacement mechanism. It takes less than 5 minutes to change all filters.



WELDING FUME & METAL WORKING DUST

The VERTY Series dust collectors are perfect choice for the filtration of limited dust volumes such as welding, cutting and grinding process.

- Can be equipped to a Local Exhaust Ventilation (LEV) Systems. Extraction arms, tables, benches and hoods can be connected to VERTY series filter units.
- Can be used for Hall Ventilation Systems such as Push-Pull Ventilation or Layered Ventilation.

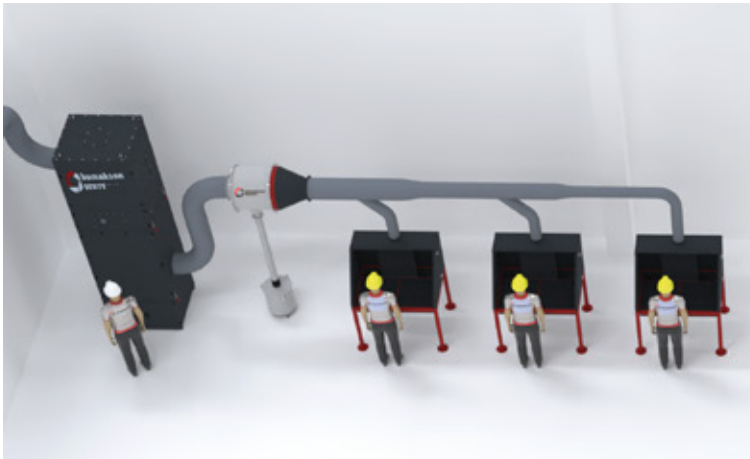


OTHER TYPE OF DUSTS

The Verty series filter units can be used for filtration of dry granulated dusts such as plastic, minerals, chemical, stone etc.

- VERTY series can be used in cutting, sawing, separating, grinding, polishing and separating of the dusts. Suitable to work with several stations.
- In material handling applications, VERTY series can also be used for emptying, mixing and refilling operations as well.

AIR INLET Configurations



STANDART AIR INLET

VERTY Series filter units allow duct connection from one, two, or even three sides—individually or simultaneously.

- Extraction Arms
- Cutting Tables
- Downdraft Benches
- Extraction Hoods
- Air Vents

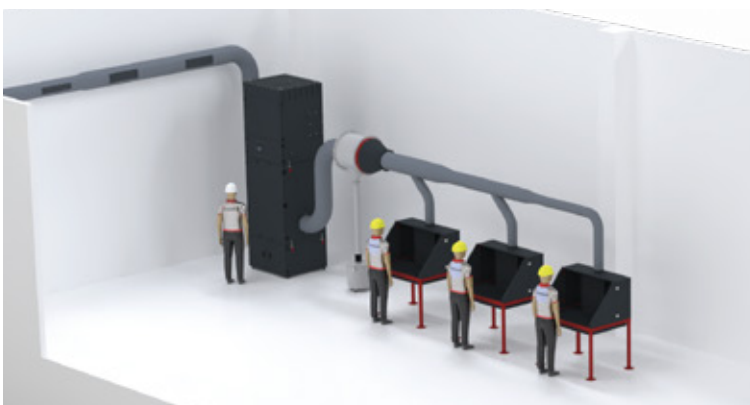


AMBIENT AIR INLET

VERTY Series filter units can be equipped with a special inlet module, allowing them to extract polluted air directly from the ambient environment or from within the room.

- Grinding Booths
- Painting Booths
- Welding Booths
- Hall Ventilation

AIR DISCHARGE Configurations



STANDART AIR DISCHARGE

The standard VERTY unit can release clean air back into the ambient through air vents, a silencer, or optional HEPA filters. Alternatively, it can be connected to a stack for discharge directly to the atmosphere.

- Air Vents
- Round Silencer
- Advanced Silencer
- Optional HEPA Filter
- Stack



JET-NOZZLE AIR DISCHARGE

VERTY Series units can also be equipped with Jet-Nozzles, which efficiently distribute ambient air to enhance overall indoor air quality.

- Air Tower
- Push-Pull Ventilation



INCREASE THE CAPACITY with MODULAR STRUCTURE

INCREASE THE CAPACITY WHEN NEEDED

VERTY series filter unit makes your investment smart. If you are planning to **grow in the future and add more working station**, you don't need to make the investment today. Expandable structure of VERTY series filter units allows you to increase the capacity when it is needed.

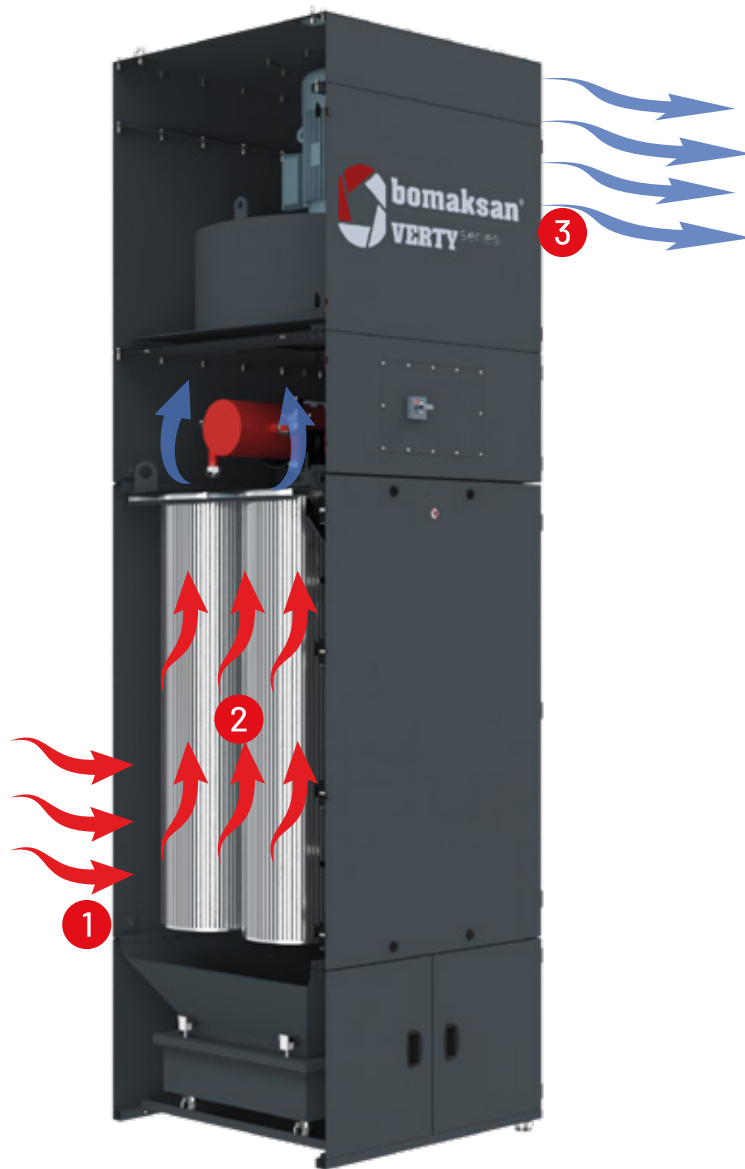
FLEXIBILITY AT FINEST

VERTY Series filter unit is highly flexible thanks to it's modular structure. You may change your existing system if you need different solution than it is planned first. **Splitting or adding new capacity** to your existing VERTY filtration system is super easy.

UPGRADING EXISTING SYSTEM with **VERTY**

Modular structure of VERTY Series allows you super flexibility. If you purchase compact VERTY units in the first place and desired to increase the capacity, all you need to do is detaching the fan modula, purchase new filter modula and install right next to it. Purchase new fan and connect the system.





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- 1** Particles like dust and fume reach to the filter unit from dirty air inlet and baffle plate in the dirty air inlet.

2 Dirty air arises in the dirty air chamber and go through high efficient filtration media.
 - 3** Clean air sucked by radial fan will be blown to the clean air outlet.

4 Clean air can be distributed to the workshop with different air diffuser options or can be discharged to the atmosphere via a stack.

JET-PULSE CLEANING

Jet-Pulse cleaning is very important aspects of industrial dust and fume extraction systems. Jet-Pulse cleaning is an automatic filter cleaning method which increase the life span of cartridge filter and decrease the need for maintenance.

Jet-Pulse cleaning systems consist of 3 important elements; header tank, solenoid valve and jet-nozzles. A good designed jet-pulse cleaning system provide you a great dust and fume collection experience.



Bomaksan branded uses the state of art cartridge filters in their all filtraton units.



VERTY Series filter unit has unique filter replacement mechanism which makes filter changings super easy.



Bomaksan filter cleaning sysetms are equipped with jet-nozzles which extend filter life time and reduce filter replacement costs.

In Bomaksan VERTY Series Jet-Pulse Cartridge Filter Unitis, polyMIGHT 55 M Class dust filter media is used as standard. Durable spunbond non-woven polyester fibres provide enhanced filter lifetime.

In High Efficient filter packages, nanoBLEND FR filter media is used. This media is nanofiber coated, flame retardant blend media which has F9 Class filtration efficiency according to EN779:2012. Superior PLEAT-LOCK technology guarantee equal pleat spaces.

In Ultra High Efficiency filter packages, polyMIGHT PTFE 65 filter media is used. This media is durable spunbond non-woven polyester with ePTFE membrane ePTFE membrane makes the filter media superior. polyMIGHT PTFE 65 filter media has H13 Class filtration efficiency according to EN779:2012.

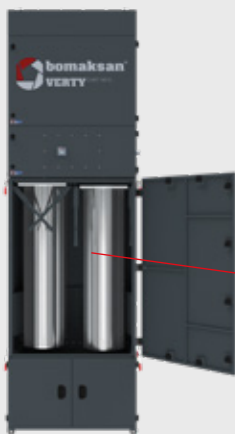
For statical loaded dusts, you should preffer antistatic media. You can check antistatic options of filter media below;

- polyMIGHT ALU: Aluminium coating over polyMIGHT 55 (Antistatic)
- polyMIGHT ALU PTFE 65: ePTFE membrane over polyMIGHT ALU (Antistatic)

QUICK FILTER REPLACEMENT with VERTY



Special filter replacement mechanism designed by Bomaksan Engineers ensures very easy and quick filter replacement for maintenance teams. It takes less than 5 minutes to remove the dirty filters and insert the new ones.



Step 1:
Open the filter access door.



Step 2:
Move the mechanism as shown.



Step 3:
Remove the filter by pulling the flange.



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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