

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 it's 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 it's 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.

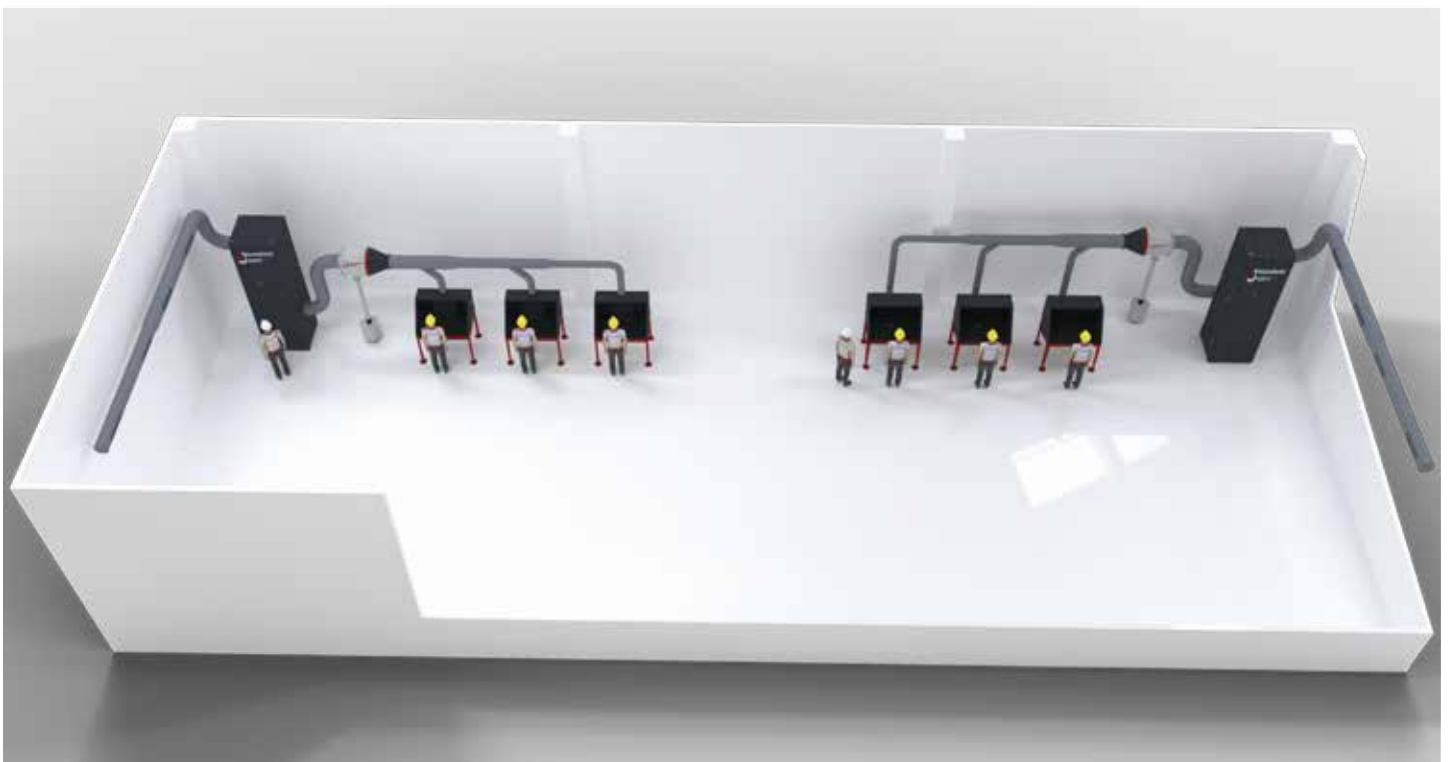
- Can be equipped to a Local Exhaust Ventilation (LEV) Systems. Extraction arms, tables, benches and hoods can be connected to VERTY series filter units.
- Can be used for Hall Ventilation Systems such as Push-Pull Ventilation or Layered Ventilation.



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, seperating, grinding, polishing and seperating 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.



● **RADIAL FAN**

Designed to meet specified flow and pressure requirements, this centrifuge-type system adheres to industry standards. With its direct-drive motor, it operates quietly and free from vibrations.



● **JET-PULSE CLEANING SYSTEM**

The VERTY Series filter units are equipped with a specially designed automatic jet-pulse cleaning system. This cleaning system includes solenoid pulse valves, header tanks, and blow pipes to ensure highly efficient filter cleaning.



● **BUILT-IN CONTROL PANEL**

The VERTY Series filter units have built-in control panel on the filter unit construction. AUTO/Remote operation is standard in VERTY series filter units.



● **M CLASS DUST FILTERS**

The VERTY Series filter units are equipped with polyMIGHT 55 filters as standard. polyMIGHT 55 filters are non-woven spunbond polyester filters which are perfect choice for "M Class" dust particles.



● **WASTE DUST CONTAINER**

The dust bin accumulates the dust filtered by cartridge filters. Bomaksan-branded dust bins are easy to attach and remove, thanks to their special design fitting equipment



STANDARD
Accesories

OPTIONAL
Accesories



● **FAN CABINET**

The VERTY series can be equipped with fan cabinet to reduce motor noise.




● **SILENCER**

The VERTY series can be equipped with silencer to lower the noise level of the filter unit and radial fan.



● **B-CONTROL SMART CLEANING**

LCD Touchpanel of B-Control Controllers allows easy operation and ensures the longest filter lifetime and highest filter cleaning efficiencies.

 *Schedule Mode allows easy setup for cleaning cycles.*



● **HIGH EFFICIENT FILTER SET**

The VERTY Series filter units can be equipped with high efficient filters as well. There are 2 different option for high efficient filter package;

- HIGH EFFICIENT**
nanoBLEND FR filters with F9 Class (EN779:2012) Filtration Efficiency.
- ULTRA-HIGH EFFICIENT**
polyMIGHT PTFE 65 filters with H13 Class (EN779:2012) Filtration Efficiency.

STANDARD
Accesories VERTY

OPTIONALS
Enhance VERTY Experience

AIR INLET Configurations

● EXTRACTION FROM SOURCE

The VERTY Series filter units can be connected to LEV hoods or accessories with dust collection ducts such as;

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



● EXTRACTION FROM HALL

The VERTY Series filter units can be used as a part of hall ventilation systems. There are several options for VERTY to be a part of hall ventilation system;

- Push-Pull Ventilation
- Layered Ventilation
- Hall Ventilation with Heat Recovery System



AIR DISCHARGE Configurations

● AIR DIFUSERS

Regardless of dirty air inlet configuration, VERTY Series can be equipped with special air diffuser options. This configuration may provide better clean air distribution to your workshop.

● AIR DISCHARGE WITH DUCT

The VERTY series filter units has a flange at the both sides of the outlet which can be equipped with relevant duct formations. There are several ducting options at the outlet such as;

- Discharge to Ambient without Silencer
- Discharge to Ambient with Silencer
- Discharge to the Atmosphere with Stack



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

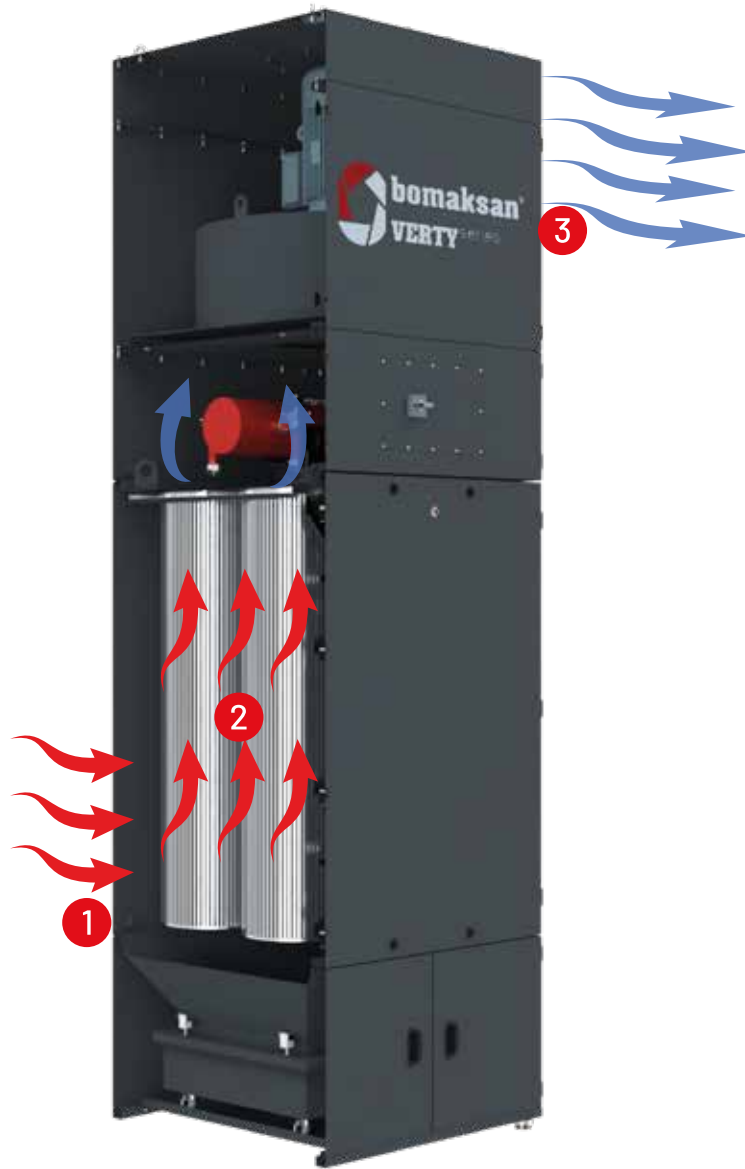
VERTY Series filter unit is highly flexible thanks to it's modular structure. You may change your existing system if you need different solution than it is planned first. **Splitting or adding new capacity** to your existing VERTY filtration system is super easy.



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.






- 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 Untis, 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

+90 216 541 93 35
sales@bomaksan.com
www.bomaksan.com

