



PACKAGING VENTS

Venting & Filtration Solutions



Why use VENTILCAP's Packaging Vents?

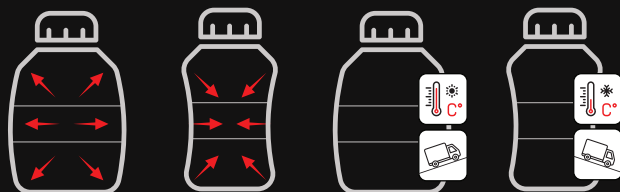
The solution for many of the challenges your products currently face, or will in the near future is venting. Because venting is the safe, reliable way to relieve pressure differentials that would otherwise cause containers of liquids to deform, leak or burst.

VENTILCAP Packaging Vents is the simplest, most cost-effective solution that can address any container bloating or paneling challenge that temperature, pressure, chemistry, or customer demands can present, no matter the current stage of your product. It is the only solution that will eliminate container bloating and paneling. Breathability neutralizes container distortion by allowing the equalization of pressures inside and outside of the container.

As a global venting solutions supplier, VENTILCAP provide various products to meet the application needs of clients, prevent chemicals from being polluted during processing and production, improve product performance, increase product value, and eventually improve profit margin.

Features of VENTILCAP venting products for packaging:

1. It maintains good airflow to balance the pressure differences inside and outside the container, and avoid bottle expansion or contraction.
2. It has good surfactant resistance and can ensure good airflow even when in contact with high viscosity liquids.
3. It can prevent liquids from leaking, improving product safety, and protecting the users and the environment.



- Releasing and Consuming Gases
- Temperature Differences
- Altitude Changes
- Dispensing Liquids

How do VENTILCAP Packaging Vents Work?



VENTILCAP's Venting Plug is a waterproof and oil resistant venting plug composed of an oil repellent modified waterproof venting membrane and HDPE plastic through ultrasonic or hot melt methods, which can achieve a balance between the internal and external pressure differences of solution packaging and prevent it from being concave or bulging.

Vented bottle caps are designed to allow gases to escape while keeping the liquid inside the bottle. These vents are necessary to prevent pressure build-up inside the bottle that could cause the cap to come loose or the bottle to burst.

High concentrations of pesticides or fertilizers cause higher levels of gas formation. Vent caps protect bottle packaging from deformation, leaks and label damage.

VENTILCAP Packaging Vents enables a rapid gas exchange of the container interior pressure with the surrounding atmosphere even in the event of high-pressure fluctuations. This ensures safety during storage and transport throughout the entire supply chain. The integrity of the packaging remains guaranteed: No leaks, no spills - people, the environment, and the filling contents are safe with VENTILCAP!

OUR PRODUCTS APPLICATION AREAS

VENTILCAP Packaging Vents are dustproof, leakproof, breathable and mainly used in the fields of chemical and agricultural packaging.



Hazardous Chemicals and Institutional Cleaners



Agrochemicals



Household Chemicals

VENTILCAP Packaging Vents Products

Vent Plug

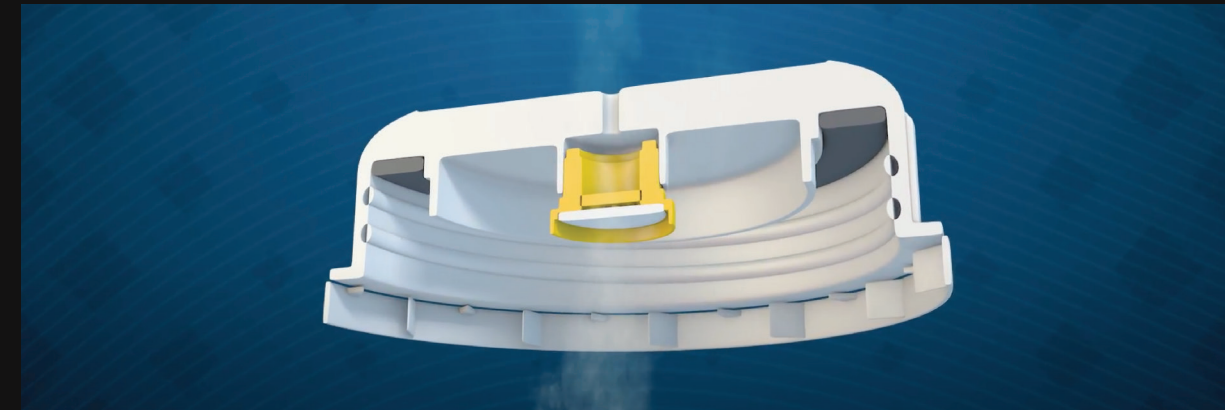
Our products are meticulously designed and manufactured using premium materials, ensuring durability and long-lasting performance. We prioritize the highest standards of quality and reliability to meet the stringent requirements of agricultural chemicals.

During distribution and storage, improperly vented agricultural products like fertilizers and pesticides can bloat, collapse or leak putting customers at risk and resulting in unplanned costs. VENTILCAP packaging vents use superior ePTFE membrane structures to enable airflow and prevent leaks for even the most highly concentrated liquids.

The membranes are hydrophobic as well as oleophobic, and as a result, they are not moistened even by liquids with low surface tension.

We specialize in designing and manufacturing high-quality vent caps that ensure the integrity and safety of your products by preventing bottles from collapsing and swelling.

Try our premium quality vented caps, built with precision and durability.



YELLOW PRODUCT GROUP

For Low-Concentrated Chemicals



V15

Recommended Product Group	1 LT ~ 5 LT
Quantity per Box	10.000 pcs
Ventilation Permeability Area	50 mm ²
Surface Feature	OLEOPHOBIC
Air Permeability	2000 mL/min/cm ² @ 7KPa
Ventilation Permeability Rate	1000
Usage Area	For Low-Concentrated Chemicals
Membrane Color	White



V17

Recommended Product Group	5 LT ~ 20 LT
Quantity per Box	10.000 pcs
Ventilation Permeability Area	70 mm ²
Surface Feature	OLEOPHOBIC
Air Permeability	2000 mL/min/cm ² @ 7KPa
Ventilation Permeability Rate	1400
Usage Area	For Low-Concentrated Chemicals
Membrane Color	White

YELLOW PRODUCT GROUP

For Low-Concentrated Chemicals



V18

Recommended Product Group	20 LT ~ 60 LT
Quantity per Box	10.000 pcs
Ventilation Permeability Area	132 mm ²
Surface Feature	OLEOPHOBIC
Air Permeability	2000 mL/min/cm ² @ 7KPa
Ventilation Permeability Rate	2650
Usage Area	For Low-Concentrated Chemicals
Membrane Color	White





V18 ULTRA

Recommended Product Group	20 LT ~ 60 LT
Quantity per Box	10.000 pcs
Ventilation Permeability Area	132 mm ²
Surface Feature	OLEOPHOBIC
Air Permeability	2000 mL/min/cm ² @ 7KPa
Ventilation Permeability Rate	2650
Usage Area	For Low-Concentrated Chemicals
Membrane Color	White

Important Notice: Our products provide high resistance to many chemical liquids. However, if the product to be used is not tested in detail, we cannot guarantee how much resistance it will provide to which chemical. Therefore, before choosing our products, we recommend that you get the support of our experts, request samples from us and test them individually by applying the right methods.

GREEN PRODUCT GROUP

For Agricultural Chemicals

	Recommended Product Group	1 LT ~ 5 LT
	Quantity per Box	10.000 pcs
V15	Ventilation Permeability Area	50 mm ²
	Surface Feature	OLEOPHOBIC
	Air Permeability	700 mL/min/cm ² @ 7KPa
	Ventilation Permeability Rate	350
	Usage Area	For Agricultural Chemicals
	Membrane Color	White
	Recommended Product Group	5 LT ~ 20 LT
	Quantity per Box	10.000 pcs
V17	Ventilation Permeability Area	70 mm ²
	Surface Feature	OLEOPHOBIC
	Air Permeability	700 mL/min/cm ² @ 7KPa
	Ventilation Permeability Rate	490
	Usage Area	For Agricultural Chemicals
	Membrane Color	White

GREEN PRODUCT GROUP



For Agricultural Chemicals

	Recommended Product Group	20 LT ~ 60 LT
	Quantity per Box	10.000 pcs
V18	Ventilation Permeability Area	132 mm ²
	Surface Feature	OLEOPHOBIC
	Air Permeability	700 mL/min/cm ² @ 7KPa
	Ventilation Permeability Rate	920
	Usage Area	For Agricultural Chemicals
	Membrane Color	White
	Recommended Product Group	20 LT ~ 60 LT
	Quantity per Box	10.000 pcs
V18 ULTRA	Ventilation Permeability Area	132 mm ²
	Surface Feature	OLEOPHOBIC
	Air Permeability	700 mL/min/cm ² @ 7KPa
	Ventilation Permeability Rate	920
	Usage Area	For Agricultural Chemicals
	Membrane Color	White

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RED PRODUCT GROUP

For High-Concentrated Organomineral Fertilizers

	Recommended Product Group	1 LT - 5 LT
	Quantity per Box	10.000 pcs
V15	Ventilation Permeability Area	50 mm ²
	Surface Feature	OLEOPHOBIC
	Air Permeability	700 mL/min/cm ² @ 7KPa
	Ventilation Permeability Rate	350
	Usage Area	For High-Concentrated Organomineral Fertilizers
	Membrane Color	Dark Grey
	Recommended Product Group	5 LT - 20 LT
	Quantity per Box	10.000 pcs
V17	Ventilation Permeability Area	70 mm ²
	Surface Feature	OLEOPHOBIC
	Air Permeability	700 mL/min/cm ² @ 7KPa
	Ventilation Permeability Rate	490
	Usage Area	For High-Concentrated Organomineral Fertilizers
	Membrane Color	Dark Grey

RED PRODUCT GROUP

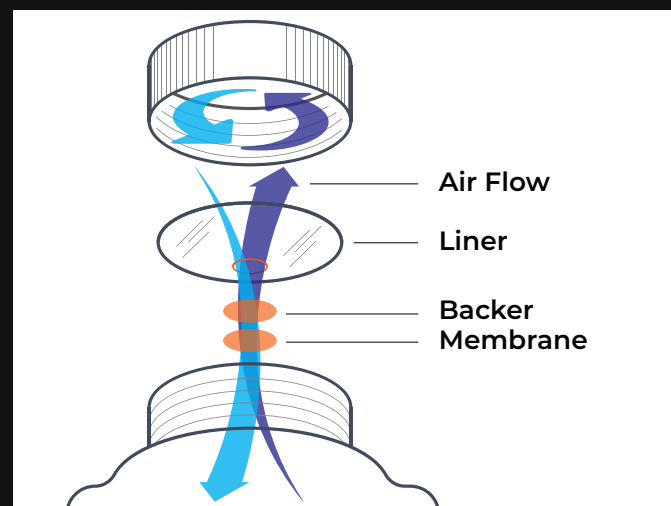
For High-Concentrated Organomineral Fertilizers

	Recommended Product Group	20 LT - 60 LT
	Quantity per Box	10.000 pcs
V18	Ventilation Permeability Area	132 mm ²
	Surface Feature	OLEOPHOBIC
	Air Permeability	700 mL/min/cm ² @ 7KPa
	Ventilation Permeability Rate	920
	Usage Area	For High-Concentrated Organomineral Fertilizers
	Membrane Color	Dark Grey
	Recommended Product Group	20 LT - 60 LT
	Quantity per Box	10.000 pcs
V18 ULTRA	Ventilation Permeability Area	132 mm ²
	Surface Feature	OLEOPHOBIC
	Air Permeability	700 mL/min/cm ² @ 7KPa
	Ventilation Permeability Rate	920
	Usage Area	For High-Concentrated Organomineral Fertilizers
	Membrane Color	Dark Grey

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Aluminum Foil Induction Liner

Our two-piece type VENTILCAP vented seal is made of aluminum foil with paperboard backing, when induction heating, the aluminum foil will separate from the backing and melt to the bottle, and the backing will remain in the cap as a secondary seal. For a perforated container lid, gas will pass through the microporous expanded polytetrafluoroethylene (ePTFE) gas-permeable membrane and escape through the pores in the container lid while preventing liquids and particles from entering the package. The microporous expanded polytetrafluoroethylene (ePTFE) gas permeable membrane prevents pressure build-up by continuously balancing the pressure differential between the interior of the vessel and the external environment.



They prevent swelling that will occur due to expansion in the bottles they are used in and explosions that may occur as a result, and they also provide reliable high protection against leaks.

Aluminum foil induction liners are suitable for small-volume packaging (less than 5L), so it is widely used in the packaging of pesticides and liquid fertilizers.

Vented Aluminum Foil Induction Seal Liner VF35 (Small)



Product Code	VC020VF35	VC005VF35	VC200VF35	VC010VF35
Diameter Size	35 mm	35 mm	35 mm	35 mm
Thickness	1.0 mm	1.0 mm	1.0 mm	1.0 mm
Seal Liner Material	Laminated, Aluminum Foil	Laminated, Aluminum Foil	Laminated, Aluminum Foil	Laminated, Aluminum Foil
Seal Liner Backing Material	Cardboard	Cardboard	Cardboard	Cardboard
Adhesion Strength	Very Strong	Very Strong	Very Strong	Very Strong
For Use With (Type of Bottle)	PE/HDPE	PE/HDPE	PE/HDPE	PE/HDPE
Quantity per Box	28,000 pcs	28,000 pcs	28,000 pcs	28,000 pcs
Vent Membrane Material	ePTFE	ePTFE	ePTFE	ePTFE
Ventilation Permeability Area	63 mm ²	63 mm ²	63 mm ²	63 mm ²
Surface Feature	OLEOPHOBIC	OLEOPHOBIC	OLEOPHOBIC	OLEOPHOBIC
Air Permeability	2000 mL/min/cm ² @ 7KPa	700 mL/min/cm ² @ 7KPa	700 mL/min/cm ² @ 7KPa	1400 mL/min/cm ² @ 7KPa
Ventilation Permeability Rate	1270	440	440	890
Usage Area	For Low-Concentrated Chemicals	For Agricultural Chemicals	For High-Concentrated Organomineral Fertilizers	For High-Concentrated Agricultural Chemicals
Membrane Color	White	White	Dark Grey	White

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Vented Aluminum Foil Induction Seal Liner VF46 (Medium)



Product Code	VC020VF46	VC005VF46	VC200VF46	VC010VF46
Diameter Size	46 mm	46 mm	46 mm	46 mm
Thickness	1.0 mm	1.0 mm	1.0 mm	1.0 mm
Seal Liner Material	Laminated, Aluminum Foil	Laminated, Aluminum Foil	Laminated, Aluminum Foil	Laminated, Aluminum Foil
Seal Liner Backing Material	Cardboard	Cardboard	Cardboard	Cardboard
Adhesion Strength	Very Strong	Very Strong	Very Strong	Very Strong
For Use With (Type of Bottle)	PE/HDPE	PE/HDPE	PE/HDPE	PE/HDPE
Quantity per Box	20.000 pcs	20.000 pcs	20.000 pcs	20.000 pcs
Vent Membrane Material	ePTFE	ePTFE	ePTFE	ePTFE
Ventilation Permeability Area	63 mm ²	63 mm ²	63 mm ²	63 mm ²
Surface Feature	OLEOPHOBIC	OLEOPHOBIC	OLEOPHOBIC	OLEOPHOBIC
Air Permeability	2000 mL/min/cm ² @ 7KPa	700 mL/min/cm ² @ 7KPa	700 mL/min/cm ² @ 7KPa	1400 mL/min/cm ² @ 7KPa
Ventilation Permeability Rate	1270	440	440	890
Usage Area	For Low-Concentrated Chemicals	For Agricultural Chemicals	For High-Concentrated Organomineral Fertilizers	For High-Concentrated Agricultural Chemicals
Membrane Color	White	White	Dark Grey	White

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Vented Aluminum Foil Induction Seal Liner VF60 (Large)



Product Code	VC020VF60	VC005VF60	VC200VF60	VC010VF60
Diameter Size	60 mm	60 mm	60 mm	60 mm
Thickness	1.0 mm	1.0 mm	1.0 mm	1.0 mm
Seal Liner Material	Laminated, Aluminum Foil	Laminated, Aluminum Foil	Laminated, Aluminum Foil	Laminated, Aluminum Foil
Seal Liner Backing Material	Cardboard	Cardboard	Cardboard	Cardboard
Adhesion Strength	Very Strong	Very Strong	Very Strong	Very Strong
For Use With (Type of Bottle)	PE/HDPE	PE/HDPE	PE/HDPE	PE/HDPE
Quantity per Box	10.000 pcs	10.000 pcs	10.000 pcs	10.000 pcs
Vent Membrane Material	ePTFE	ePTFE	ePTFE	ePTFE
Ventilation Permeability Area	63 mm ²	63 mm ²	63 mm ²	63 mm ²
Surface Feature	OLEOPHOBIC	OLEOPHOBIC	OLEOPHOBIC	OLEOPHOBIC
Air Permeability	2000 mL/min/cm ² @ 7KPa	700 mL/min/cm ² @ 7KPa	700 mL/min/cm ² @ 7KPa	1400 mL/min/cm ² @ 7KPa
Ventilation Permeability Rate	1270	440	440	890
Usage Area	For Low-Concentrated Chemicals	For Agricultural Chemicals	For High-Concentrated Organomineral Fertilizers	For High-Concentrated Agricultural Chemicals
Membrane Color	White	White	Dark Grey	White

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