

GORE® Packaging Vents

For Biostimulants &
Organic Fertilizers



PREVENT LEAKS AND DEFORMATIONS AND ENHANCE CONTAINER SAFETY

For Biostimulants & Organic Fertilizers

Biostimulants and organic fertilizer formulations need packaging that breathes without leaking, to equalize pressure imbalances that would otherwise deform the container and cause dangerous spills or costly returns. GORE® Packaging Vents minimize these risks with a breathable barrier membrane that reliably maintains container integrity — and consistently passes DOT and ADR requirements.

Plug-In Vents

- **D38/D17:** One of our most robust, reliable vents for biostimulants and organic fertilizers packaging. Optimized for ADR Drop Test Specifications.

Benefits of Plug-In Vents:

- Meet the demanding needs of nearly all biostimulants and organic fertilizers.
- D38/D17 consistently demonstrate compliance with DOT and ADR requirements in varied container systems.
- Easy to integrate via snap-fit or press-fit.

Liners

- **Foam Liners:** Full-surface membranes laminated to two different thicknesses for all flat cap designs. Easy drop-in replacements for all single-point or unvented liners.
- **Pulp Induction Liners:** Weldable installation ensures tamper-evidence; membrane construction provides needed breathability for off-gassing liquids.

Benefits of Liners:

- Developed specifically for biostimulants and organic fertilizers.
- Easy to integrate without re-design of cap.
- All liners are available in single- and multi-up roll goods as well as in various widths.

Together, improving life



Plug-In Vents



Typical Application	IBCs/Drums	Jerry Cans/Bottles
Packaging Size	50 – 1500 liters	1 – 60 liters
Product Series	D38	D17
	High Airflow Series	High Airflow Series
Packaging Content/Application	Biostimulants, Organic Fertilizers	Biostimulants, Organic Fertilizers



Order Numbers ...

... for Press-Fit Integration	CMF300277	CMF300280
... for Snap-Fit Integration	CMF300279	CMF300281

Product Performance Characteristics

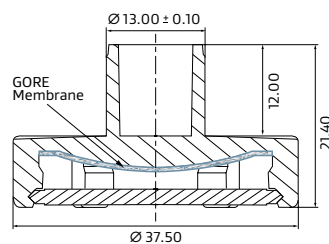
Typical Airflow at $dp = 12 \text{ mbar}^1$	137 l/h	15 l/h
Water Entry Pressure (WEP)	> 0.3 bar	> 0.3 bar
Drop Test Optimized	Yes	Yes
Traceability	Yes: Individually laser-marked	Yes: Individually laser-marked
Membrane Type	SG5	SG5
Laminate: membrane backing material	ePTFE PE/PP	ePTFE PE/PP
Vent Housing: material	HDPE	HDPE
Vent Housing: color	White	Natural

Vent Design and Dimensions

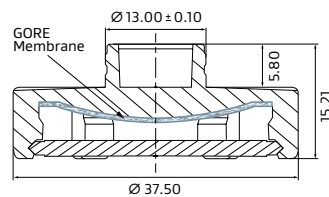
Units are in mm

Dimensions without tolerance follow DIN 16742

Press-Fit Integration:



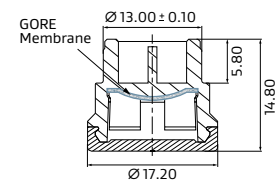
Snap-Fit Integration:



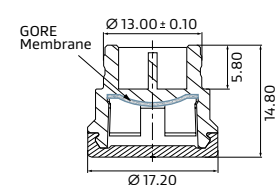
Scale of 1:1

Liquid side

Press-Fit Integration:



Snap-Fit Integration:



Scale of 1:1

Liquid side

¹ Values are based on measurements without liquid contact. More detailed information can be found in our White Papers.

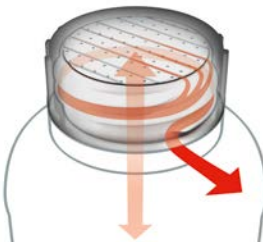
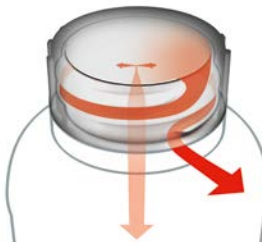
Liners



Typical Application	Jerry Cans/Bottles		Jerry Cans/Bottles
Packaging Content	Biostimulants, Organic Fertilizers		Biostimulants, Organic Fertilizers



Product Family	Foam Liner		Pulp Induction Liner
Product Series	High Performance Series		High Airflow Series
Series Numbers	383G	384G	CM8C

Product Performance Characteristics			
Typical Airflow at $dp = 12 \text{ mbar}^a$	1.8 l/h/cm ²		1.93 l/h ^b 5.93 l/h ^c
Water Entry Pressure (WEP)	> 1.4 bar		> 0.3 bar
Traceability	On lot level		On lot level
Membrane Liner Construction	ePTFE + PE foam		ePTFE + PE + aluminium + PET + wax + pulp
Thickness	1.1 mm	1.9 mm	1.0 mm
Venting Hole Diameter	N/A – full surface venting		2.0 mm
Venting Method	cap thread venting (venting through hole in cap also possible)		cap thread venting (venting through hole in cap also possible)
			

a This value is based on an optimum closure bottle design in combination with a typical closure torque.

b This value is based on a roll good slit width of 52.3 mm intended for disc diameters up to 46.3 mm.

c This value is based on a roll good slit width of 69.9 mm intended for disc diameters up to 63.9 mm.

All liners are available in various widths.

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