



PACKAGING...SIMPLIFIED.

Product Data Sheet #013-04

Pacific Bag One-Way Degassing Valve 101N, 101NF, 201N, and 201 NF

Description

Pacific Bag One-Way Degassing Valves are designed to allow pressure to be released from an airtight package while not allowing external atmosphere (i.e. air with 20.9% O₂) to enter the package. Pacific Bag offers two sizes of One-Way degassing valves, Model nos. 101 (Large) and 201 (Regular). The valves are supplied with filter paper (designation “NF”) and without a filter paper (designation “N”). The filter paper stops small particles from clogging the one-way valve.

Function

When pressure inside a sealed package increases beyond the Valve Opening Pressure, a rubber disk in the valve momentarily opens to allow gas to escape out of the package. As gas is released and the pressure inside the package drops below the Valve Close Pressure, the valve closes.

Applications and Uses

Typical uses include: flexible packages for fresh roasted coffee (fresh roasted coffee generates gas inside the bag and also needs protection from Oxygen outside the bag) and large, bulk flexible packages which require the release of excess air from packages for palletization (e.g. 33 lbs. pet food bags).

Quality Control Information

During production valves are 100% inspected for presence of a critical rubber disk. Over 50,000 valves are tested annually for Open and Close Pressure. Regular tests of ability to maintain low %O₂ in airtight sealed packages are performed.

Typical Valve Performance Data

Open pressure: 20-70 mm H₂O
Close pressure: 5-45 mm H₂O

Typical Quality Data on Valved Packages

Avg. %O₂ after 1 year: < 2.5%
Effectiveness rate for O₂ barrier and
open/close pressure: 99.9%

Rubber Dimensions: 0.34 in. dia. x 0.031 in. t

Rubber Disk Service Temp: -50 to 220 °F

Valve Body Dimensions (+/- 0.005 in.)

<u>Model #201</u>	Outer Dia.:	0.795
	Height:	0.224
<u>Model #101</u>	Outer Dia.:	0.890
	Height:	0.176

Typical Shelf Life: One year after purchase

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Warranty

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