



WICOVALVE®

# Long-Term Freshness Protection

# WICOVALVE®

## Little Valve, Big Effect

WICOVALVE® aroma protection valves are suitable for every product that is degassing, such as coffee, dough, kimchi, sauerkraut, ready meals, soy and mushrooms. The one-way valves guarantee an exceptional integrity and functionality for a period of three years.



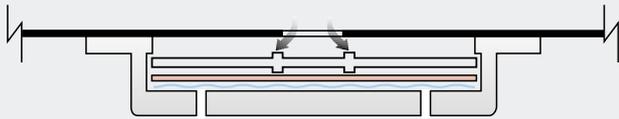
What makes the WICOVALVE® so unique?

It is the only product worldwide that assures consistent quality throughout a period of three years. This is made possible thanks to the use of high quality components and materials such as polyethylene (PE), polypropylene (PP) or bio compostable resins

During the life cycle of a package, the valve must open and reclose many times without allowing oxygen to diffuse back into the packaging. This is why WICOVALVE® valves, depending on the application, have different material combinations, opening pressure levels, flow rates and particle protection. Thanks to the interaction of these properties, the impeccable quality of the packaged product and its aroma are guaranteed over a lengthy period of time.

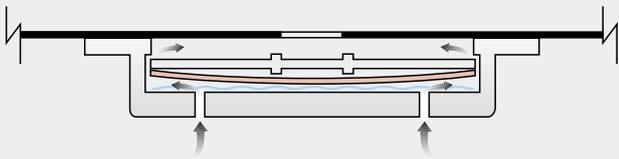
# WICOVALVE®

## The Functional Principle



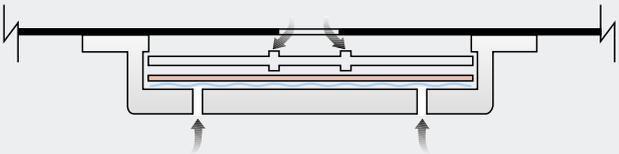
### Neutral Position

The sealant and the membrane prevent air from entering the packaging.



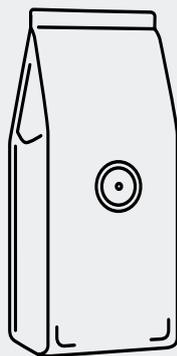
### Overpressure/Degassing

The membrane opens as soon as the product generates internal pressure. Depending on the valve type and the packaging content, this may occur at very low overpressure levels.



### Pressure Relief

As the overpressure decreases (closing pressure  $\geq 0.1$  mbar) the membrane closes again. The sealant will block oxygen ingress into the packaging, making it airtight again.



«I don't want to be pretentious, but it's a fact that with me, you have a 3-year warranty, when I am made of PE or PP. Dry products such as coffee are particularly impressed with my performance. It's the award-winning WICOVALVE® that makes the difference. I am also available in a bio compostable version.»

Gusset bag with valve

# WICOVALVE® for Heat-Sealing

## W0xy series

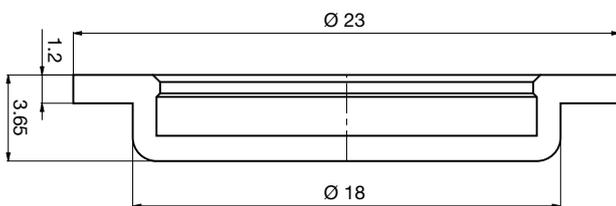
### Polyethylene (PE)

TYPICAL APPLICATION	VALVE TYPE ARTICLE NO.	FRONT SIDE	BACK SIDE
Bean coffee Dough	<b>W006</b> 4002069		
Bean coffee Dough	<b>W009</b> 4013128		
Bean coffee Dough <b>Mono-PE</b>	<b>W009PE</b> 4013319		
Ground Coffee	<b>W016</b> 4007974		
Sauerkraut, kimchi, soy, products with liquids	<b>W029</b> 4012674		
Granular bulk material	<b>W059</b> 4012520		

### Polypropylene (PP)

TYPICAL APPLICATION	VALVE TYPE ARTICLE NO.	FRONT SIDE	BACK SIDE
Bean coffee Dough <b>Mono-PP</b>	<b>W009PP</b> 4012795		
Ground Coffee <b>Mono-PP</b>	<b>W019PP</b> 4013013		
Dream Steam Microwaveable food	<b>W031</b> 4007164		

Dimensions in mm



All indications are without obligation. Full specification details with tolerances are available upon request.

# WICOVALVE® for Ultrasonic and Heat-Sealing

## W1xy series

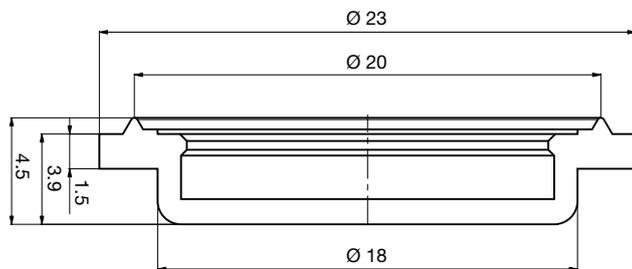
### Polyethylene (PE)

TYPICAL APPLICATION	VALVE TYPE ARTICLE NO.	FRONT SIDE	BACK SIDE
Bean coffee	<b>W103</b> 4007519		
Dough	<b>W107</b> 4007978		
Bean coffee Dough <b>Mono-PE</b>	<b>W109PE</b> 4013309		
Ground Coffee	<b>W113</b> 4007852		
Ground Coffee <b>Mono-PE</b>	<b>W119PE</b> 4013314		
Sauerkraut, kimchi, soy, products with liquids	<b>W129</b> 4012675		

### Polypropylene (PP)

TYPICAL APPLICATION	VALVE TYPE ARTICLE NO.	FRONT SIDE	BACK SIDE
Bean coffee Dough <b>Mono-PP</b>	<b>W109PP</b> 4012794		
Ground Coffee <b>Mono-PP</b>	<b>W119PP</b> 4013104		

Dimensions in mm



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# WICOVALVE® for Heat-Sealing

## W6xy series

### Polyethylene (PE)

TYPICAL APPLICATION	VALVE TYPE ARTICLE NO.	FRONT SIDE	BACK SIDE
Bean coffee Dough	<b>W606</b> 4008683		
Bean coffee Dough	<b>W609</b> 4009103		
Bean coffee Dough <b>Mono-PE</b>	<b>W609PE</b> 4013315		
Ground Coffee	<b>W616</b> 4009280		
Ground Coffee <b>Mono-PE</b>	<b>W619PE</b> 4013316		
Sauerkraut, kimchi, soy, products with liquids	<b>W629</b> 4012705		

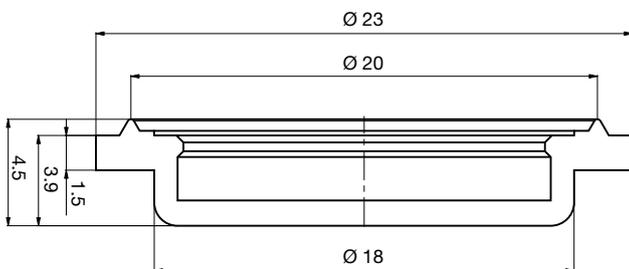
### Polypropylene (PP)

TYPICAL APPLICATION	VALVE TYPE ARTICLE NO.	FRONT SIDE	BACK SIDE
Bean coffee Dough <b>Mono-PP</b>	<b>W609PP</b> 4012797		
Ground Coffee <b>Mono-PP</b>	<b>W619PP</b> 4012836		

### Biodegradable

TYPICAL APPLICATION	VALVE TYPE ARTICLE NO.	FRONT SIDE	BACK SIDE
Bean coffee Dough	<b>W606E</b> 4011904		
Ground Coffee	<b>W616E</b> 4012594		

Dimensions in mm



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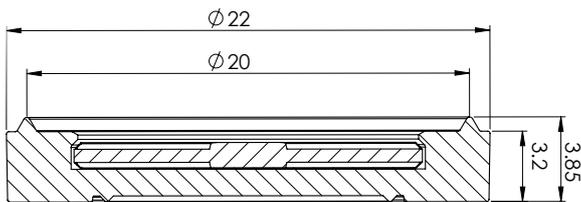
# WICOVALVE® for Ultrasonic and Heat-Sealing

## W2xy series

Polyethylene (PE)

TYPICAL APPLICATION	VALVE TYPE ARTICLE NO.	FRONT SIDE	BACK SIDE
Bean coffee Dough	W206 4012988		
Ground Coffee	W216 4013029		

Dimensions in mm



All indications are without obligation. Full specification details with tolerances are available upon request.

## Main Benefits

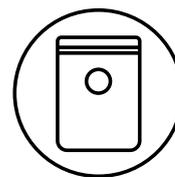
Recyclable PP and PE valves

Compostables valves

3-year warranty

100 % inline inspection

Exceptional integrity and functionality





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