



PowFlex® vs powder packaging

The new valve sack is ideal for finely powdered products that require high ventilation performance during and after filling and are reliant on outstanding moisture protection. Based on the innovative valve sack system (vs) and thanks to extensive development work, Bischof+Klein has succeeded in combining these attributes in a glued PE block bottom valve sack for the first time. The existing filling lines can still be used for filling (for 10 – 50 kg per unit).

Fundamental advantages for you and your customers

- + Indirect ventilation
- + Optimum protection of your products "whatever the weather"
- + Clean product filling
- + Unproblematic and efficient palletization
- + Low transport and storage volume
- + Attractive product presentation
- + Clean transport
- + Longer product shelf life
- + Simple and segregated packaging disposal
- + Flexible equipment according to your requirements (carrying handle, peel-off patch, etc.)

Industries



Agriculture + horticulture



Construction

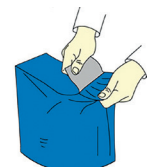


Chemicals + petrochemicals



Foodstuffs

Additional functions



PowFlex® vs powder packaging consists of 100 % PE – single-origin and completely recyclable.

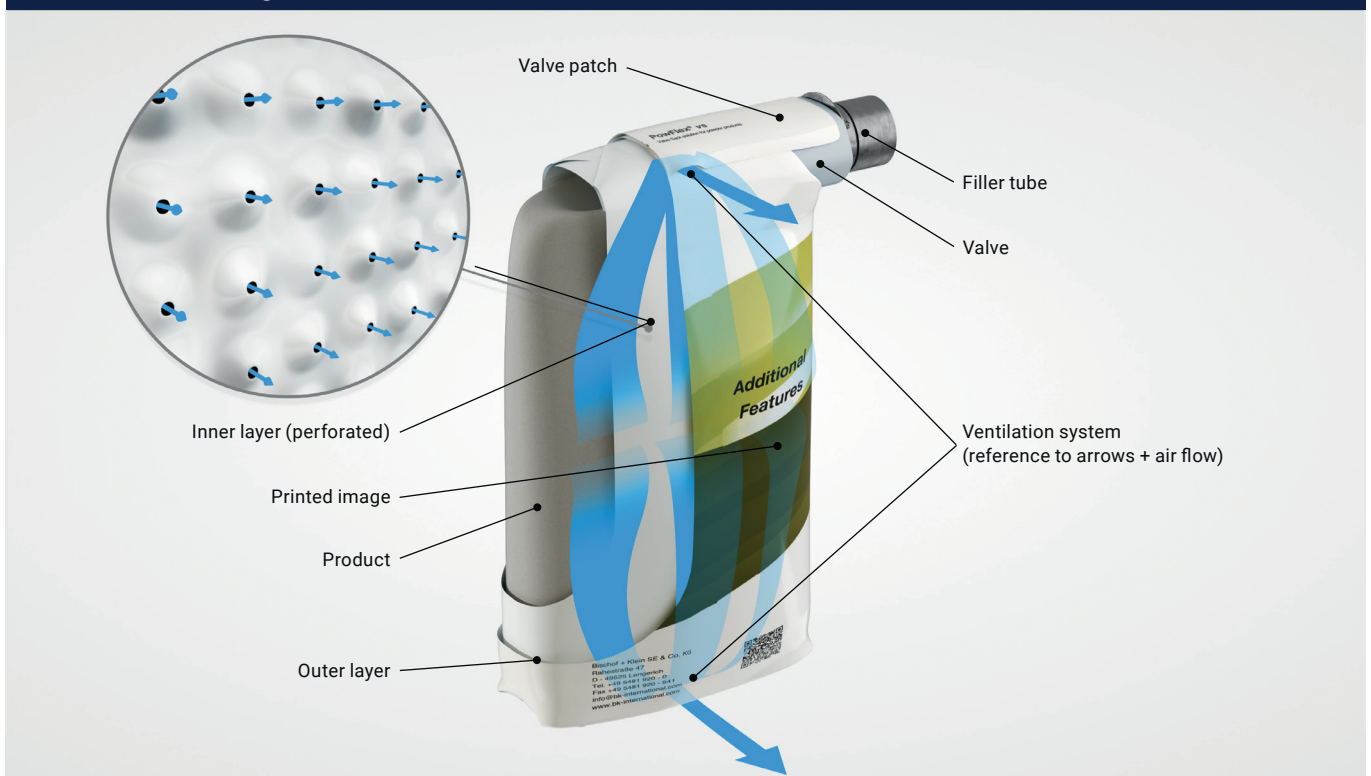
Size ranges

Sack width (w1)	Sack length (l1)	Bottom width (w2 + 4)	Film thickness
260 – 600 mm ± 5mm	340 – 930 mm ± 10mm	70 – 200 mm ± 5mm	160 µm ± 5%

Mechanical values (standard film, outer 100 µm + inner 80 µm)

Coefficient of friction (COF)	$\mu_s \geq 0.5$ / $\mu_d \geq 0.43$	DIN EN ISO 8295 / ASTM D 1894
Water vapor permeability	Depending on the system used and the film composition	ASTM F 1249-90; DIN EN ISO 15106-2

Schematic drawing



Additional equipment at a glance

- + Valve types
(thermal, internal, and external tuck-in valve)
- + Carrying handle
- + Pouring holes and aids (peel-off patch)
- + Printing with up to 10 colors
- + Individual film dyeing
- + Sacks wound on a reel
- + UV protection for 12 months
- + Antistatic equipment
- + Optimized non-slip properties (Gur)
- + LFGB / FDA certification