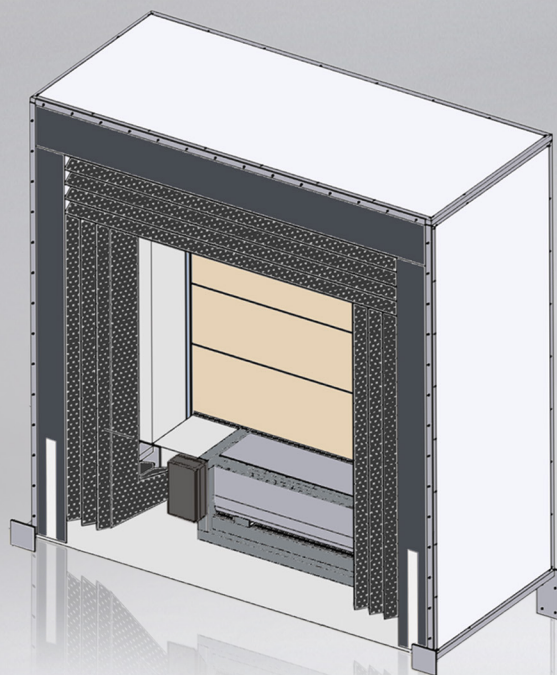


RELOADING SYSTEMS



Inkema for
 **WIŚNIEWSKI**

ABHM INFLATABLE DOCK SHELTERS

Intended use: To seal up the gap between the warehouse opening and the docked vehicle. The folding design of the cushion provides the most optimal sealing. It is especially beneficial in air-conditioned areas, cold store, and deep-freeze warehouses.



FUNCTIONALITY

Reloading systems for loading and unloading cargo are an important element of each sector of the economy.

This is why Inkema for WIŚNIEWSKI develops cutting edge solutions to fully equip loading bays and provide maximum safety and vehicle handling speed, but also to ensure considerable cost savings.



SAFETY

Loading and unloading decks are solutions engineered to precisely compensate the height difference between the floors of different vehicles and dock levellers. They make it possible to load and unload a truck with a single horizontal movement.



A PERFECT COMBINATION

Inkema for WIŚNIEWSKI provides a broad portfolio of hydraulic levellers, which level out the gap between the warehouse and the trailer. We also offer various design options to enable you to choose the one that fits your facility best.

ABHM DOCK SHELTER

The cushions are made of a high-strength PVC canvas with M2 fire resistance. Protective strips made of a two-layer elastic polyester canvas with the basis weight of 3,200 [g/m²]. A strong, friction resistant, antistatic PVC layer is provided on both sides.

The side and top structure comprises layered panels with a thickness of 40 [mm], with a white RAL 9002 exterior and interior. Due to safety considerations, the dock shelter is fitted with protective brackets.

ABHM inflatable dock shelters

Developed to perfectly seal the gap between the trailer and the warehouse for loading and unloading. With the inflatable dock shelter closely matching the sides of the lorry, considerable energy savings are ensured thanks to thermal insulation. It also ensures improved indoor cleanliness by providing greater convenience and handling flexibility.

The air cushion folds up to the sides when the dock shelter is not in use to prevent tearing and to make manoeuvring the lorry easier. The cushion canvas offers high resistance and durability.

Operation

The device is operated with two buttons, which switch on and switch off both the tubular motor and the blower. When a vehicle is docked in the dock shelter, press the OPEN button to start both motors. The space between the warehouse opening and the docked vehicle will be sealed up. When the top cushion reaches the vehicle trailer, the tubular motor automatically stops, but the blower maintains air pressure in the cushions for the duration of the loading/unloading process, continuously adjusting the position of the top cushion to the changing vehicle height.

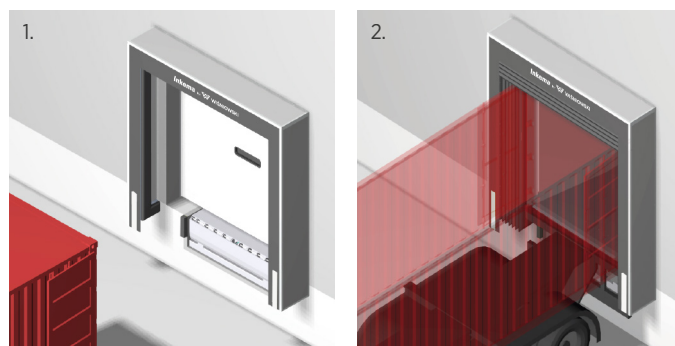
When the loading/unloading operation is finished, press the CLOSE button

do switch off the blower motor. The top cushion and side cushions will be folded using an integrated return system powered with the tubular motor.

How it works

1. When a lorry or a van begins manoeuvring in the loading bay, the dock shelter is not in use and the cushions are folded up. Reflective strips on the sides make it easier to manoeuvre the lorry.
2. Once a lorry or a van is parked, the cushions start filling up with air and seal up the area between the lorry or van and the dock shelter. The gap area is perfectly sealed, which ensures optimal thermal insulation of the building. Now, the loading or unloading process can start.

When the loading or unloading process is complete, the air is removed from the cushions and at the same time, they fold up to the sides and towards the top. After that, the lorry or van can leave the dock.



Dimensions

The ABHM dock shelter in its standard dimensions can be used with lorries (docked axially)
 2,400 – 2,500 [mm] wide and
 3,600 – 4,200 [mm] high.

Drive unit

The top cushion is extended and retracted with a tubular motor. During the extension phase, the blower motor ensures that all the cushions are filled with air.

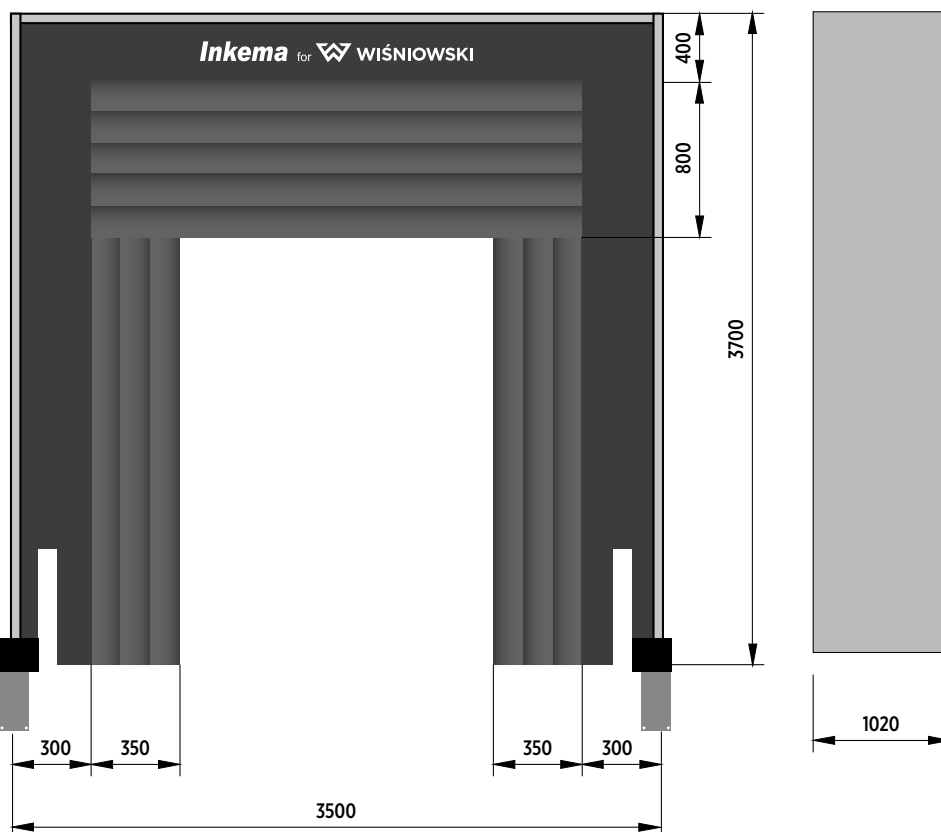


PHOTO GALLERY



ABHM inflatable dock shelters.



ABHM inflatable dock shelters.

TECHNICAL DATA

	ABHM DOCK SHELTER
Application	Outdoors
Structure	Panel 40 [mm] panel – galvanized and painted in RAL 9002
Width	3,500 [mm]
Height	3,700 [mm]
Installation depth	1,020 [mm]
Installation height (recommended)	4,800 [mm]
Front cushion canvas (basis weight)	900 g/m ²
Top cushion canvas (basis weight)	500 g/m ²
Width of the side cushions (inflated)	650 [mm]
Depth of the top cushion (inflated)	1,200 [mm]
Control panel protection rating	IP55
Power supply	230V / 0.30 kW
Control voltage	12 V DC
Operating temperature	From -20° to +70°C
Standard colour	RAL 9005 (black)


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