



HIGH
SPEED
DOORS

Dear Sir/Madam,

Thank you for choosing our **Dynamicroll DynaDry**, the ideal solution for ensuring contamination-free internal food transportation. Through this letter, we provide you with an overview of the door and invite you to contact us for any customizations.

The Dynamicroll DynaDry is designed for high humidity environments and features innovative characteristics such as an anti-reflux collection tray and an efficient drainage system. The door is fully self-repairing and equipped with a flexible bottom bar, eliminating the presence of rigid components in the panel and significantly enhancing safety.

This model excels in terms of wind resistance, air permeability, thermal insulation, and durability, ensuring a low total cost of ownership. It is equipped with cutting-edge safety systems, including a photocell device and a winding sensor. The design also includes a transparent strip for improved visibility.

The door curtain is available in sixteen different colors, and its main components, such as the base frame, roller covers, and columns, are made of 304 stainless steel, with inclinations that promote hygiene. The control panel is complete with a control button, emergency button, and main switch, with the addition of a button on the opposite side for added convenience.

While the standard specification is detailed in the attached document, please note that numerous customizable options are available. We encourage you to consult the attached options sheet and contact us to define a tailor-made specification for your needs.

Best regards,

BMP HIGH SPEED DOORS

The team

All our deliveries/services are subject to the General Conditions of Sale. The General Conditions have been filed with the Chamber of Commerce and are available at our office upon request.



Standards and Classifications

Applicable standards and essential characteristics, EN 13241:

- Machinery Directive 2006/42/EC
- EMC Directive 2014/30/EC
- Directive 2014/35/EC - Low Voltage

Water tightness class 1 compliant with EN 12425, tested according to EN 12489.

Wind load resistance dependent on size, up to class 2 compliant with EN 12424, tested according to EN 12444.

Thermal transmittance coefficient $U = W/m^2.K$: 6.02, according to EN 12428.

Air permeability class 1 compliant with EN 12426, tested according to EN 12427.

Safety of vertical movement opening compliant with EN 12453, tested according to EN 12445.

Mechanical aspects - Requirements and test methods compliant with EN 12604, tested according to EN 12605.

Mechanical operational reliability according to EN 12604: 1,000,000 cycles, tested according to EN 12605.



30.63.11 FLEXIBLE DOOR.

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Product: BMP HIGH SPEED DOORS.

Type: DynaDry Dynamicroll High-Speed Roll-Up Door.

Position: Internal door.

- Opening speed: adjustable, maximum 2.0 m/s.
- Closing speed: adjustable, 0.8 m/s.
- Resistant to overpressure and underpressure.
- Clear width (mm): as indicated in the project drawings.
- Clear height (mm): as indicated in the project drawings.

Door leaf

- PVC fabric, opaque, 900 grams/m²: U = 6.02 W/m²K, in RAL (see options sheet).

Windows

- Transparent PVC, rectangular, from 850x500 mm to 1200x500 mm, depending on the daylight width, one row.

Door frame

- Base frame in stainless steel 304;
- Cover caps for crosspieces, stainless steel 304;
- Anti-drip collection tray and drainage system;
- Inclined caps over the coil and motor, stainless steel 304.

Guides

- Cross-linked polyethylene, PEHD 500;
- Self-lubricating (no lubricants).

Rolling shaft

- Aluminum.

Anti-collision

- Flexible and soft bottom bar;
- Zipper attachment;
- Reintroduction slots in the guides.

Operation

- Automatic opening, electrically powered;
- Automatic closing, gravity.

Control

- Via 1 button on the electrical panel, plus 1 crank button (opposite side).

Safety

- Photocells, crossing the door, integrated into the frame;
- Protection from unrolling.

Motor

- Frequency-controlled electric motor with reducer, belonging to this type of door, speed and dimensions;
- Soft start and stop.

**Control**

- Plastic electrical panel, IP65;
- Frequency controller;
- Main switch;
- Emergency stop;
- Adjustable timed setting before automatic closing;
- Sluice function between two doors.

Accessories

- Wiring;
- Absolute encoder;
- Emergency control via crank.

Wind resistance

- < B 2900 mm x H 2900 mm class 4, EN 12424;
- < B 4000 mm x H 4000 mm class 3, EN 12424.

Air permeability

- Class 1, EN 12426.

Expected lifespan

- 1,000,000 cycles, EN 12604.




Options Sheet

If you wish to implement any options, please contact us to receive a customized technical specification:

[Contact | BMP HIGH SPEED DOORS](#)

Possible door colors, at no additional cost, approximate:

 RAL 1003 (signal yellow)	 RAL 5012 (light blue)	 RAL 7042 (traffic grey A)
 RAL 1015 (light ivory)	 RAL 6018 (yellow green)	 RAL 8017 (chocolate brown)
 RAL 2004 (pure orange)	 RAL 6026 (opal green)	 RAL 9005 (jet black)
 RAL 3002 (ermine red)	 RAL 7016 (anthracite grey)	 RAL 9010 (pure white)
 RAL 5002 (ultramarine blue)	 RAL 7035 (light grey)	
 RAL 5010 (gentian blue)	 RAL 7037 (dust grey)	

Windows:

- Transparent PVC, rectangular, 1200x500 mm or 850x500 mm, .. rows.
- Transparent PVC, with rounded corners, 1200x300 mm or 850x300 mm, two rows / .. rows.
- Transparent PVC, full width, 500 mm height, one row / .. rows.
- Transparent PVC, full vision.

Control:

- Stainless steel 304 electrical panel, IP66;

Control Components:

- Via radar impulse, BEA Falcon type, bilateral or unilateral.
- Via radar impulse, BEA Condor type (with stop detection), bilateral or unilateral.
- Via pull switch, incl. 4-meter cord, bilateral or unilateral.
- Via Tof-spot radar, (6m1 range), bilateral or unilateral.
- 1-channel transmitter, start button type, including receiver for remote control.
- 2-channel transmitter, including receiver for remote control.
- 4-channel transmitter, including receiver for remote control.

Frame:

- Stainless steel 441, including covers over coil, motor, and uprights.
- Stainless steel 316, including covers over coil, motor, and uprights.

Other stainless steel components:

- Rolling shaft, stainless steel 304.
- Brake, stainless steel 304.

Emergency Control

- Emergency control via UPS including batteries.

