



HIGH  
SPEED  
DOORS

Dear Sir/MAdame,

Thank you for downloading the documentation for our **Dynamicroll Food Inox** high-speed door: the complete high-speed door for applications in the food industry. In this accompanying letter, we would like to briefly inform you about the door. More importantly, we would like to inform you that you can contact us for a customized specification if this does not meet your requirements.

The included Dynamicroll Food is suitable for internal application in the food sector, between two environments with a significant temperature difference. In this case, the door provides better thermal insulation than the standard version and better counteracts condensation. The door is very compact; the design is conceived to minimize dirt accumulation. Furthermore, it is entirely made of stainless steel, self-repairing, and equipped with a flexible threshold. The door has no rigid parts in the fabric, which enhances safety. Performance in terms of wind resistance, air permeability, thermal insulation, and durability is high.

This makes the total cost of ownership of this door very low.

The door is equipped with photocells and protection against wrapping. The fabric is available in six colors. The electrical panel is equipped with a control button, an emergency button, and a main switch. A closing button is provided for the opposite side.

The included specification text describes a standard internal door in stainless steel. Of course, many variations are available. For these, please refer to the attached options sheet. We invite you to contact us for a customized specification.

Best regards,

**BMP HIGH SPEED DOORS**

The team

All our deliveries/services are subject to the General Terms and Conditions of Sale. The General Terms and 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
- Low Voltage Directive 2014/35/EC

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

Wind load resistance depending on dimensions, up to class 4 compliant with EN 12424, tested according to EN 12444.

Thermal transmission coefficient  $U = W/m^2.K$ : 5.01, according to EN 12428.

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

Vertical movement opening safety 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 reliability according to EN 12604: 1,000,000 cycles, tested according to EN 12605.



### 30.63.11 FLEXIBLE DOOR.

#### 0. FLEXIBLE DOOR.

Manufacturer: BMP HIGH SPEED DOORS.

Type: Dynamicroll Food rapid roll-up door.

Position: Insulated internal door.

- Opening speed: adjustable, maximum 2.0 m/s.
- Closing speed: adjustable, 0.8 m/s.
- Resistant to overpressure and depression.
- Clear width (mm): as per specification drawings.
- Clear height (mm): as per specification drawings.

#### **Door leaf**

- PVC fabric with foam layer, insulated and anti-condensation, 7 mm, in RAL .... (see options sheet).

#### **Windows**

- No windows.

#### **Door frame**

- Base frame in stainless steel 304;
- Covers on the roller, motor, and uprights in stainless steel 304.

#### **Guides**

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

#### **Rolling axis**

- Aluminum.

#### **Anti-crash**

- Flexible and soft threshold;
- Zip fastening;
- Reinsertion slots in the guides.

#### **Operation**

- Automatic opening, electrically driven;
- Automatic closing, by gravity.

#### **Control**

- Via 1 button on the control box, plus 1 push button (opposite side).

#### **Safety**

- Photocells, vertically integrated in the door uprights;
- Roll-up protection.

#### **Actuation**

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

**Control**

- Plastic control box, IP65;
- Frequency converter;
- Main switch;
- Emergency stop;
- Adjustable timing before automatic closing;
- Interlocking function between two doors.

**Accessories**

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

**Wind resistance**

- < L 2800 mm x H 2800 mm class 4, EN 12424;
- < L 4800 mm x H 4800 mm class 3, EN 12424;
- < L 5700 mm x H 5700 mm class 2, EN 12424.

**Air permeability**

- Class 1, EN 12426.

**Expected lifespan**

- 1,000,000 cycles, EN 12604.



## Option Sheet

If you wish to implement any options, please contact us to obtain a customized technical sheet:

[Contact | BMP HIGH SPEED DOORS](#)

### Possible door colors, at no additional cost, approximate:

- |  |   |   |
|--|---|---|
|  RAL 1003 (signal yellow) |  RAL 3002 (ermine red)       |  RAL 7035 (light grey) |
|  RAL 2004 (pure orange)   |  RAL 5002 (ultramarine blue) |  RAL 9010 (pure white) |

### Air permeability:

- Class 4, EN 12426.

### Windows:

- Transparent PVC, with rounded corners, 1200x300 mm or 850x300 mm, two rows / .. rows.

### Control:

- Stainless steel 304 control box, IP66;

### Control components:

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

### Safety components:

- Light curtain barrier, vertically integrated in the door stiles.
- Light curtain barrier, vertically integrated in the door stiles, in combination with roll-up protection.

### Frame:

- Stainless steel 441, including covers on the roller, motor, and uprights.
- Stainless steel 316, including covers on the roller, motor, and uprights.

### Other stainless steel components:

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

### Emergency action:

- Emergency operation via UPS including batteries.

