

APPLICATIONS



Industry, automated production lines

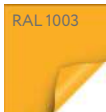
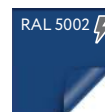


Conveyor lines

CHARACTERISTICS BY DATASHEET

 Scan the QR-codes to watch or download datasheets		
	Technical information about standard pvc	
	Technical information about insulated pvc	
	Technical information about pvc windows cristal superclear	

AVAILABLE CURTAIN COLORS
STANDARD PVC

 RAL 9010	 RAL 1015	 RAL 1003	 RAL 2008 ⚡	 RAL 3002 ⚡	 RAL 6026
 RAL 7042	 RAL 7037	 RAL 7035 ⚡	 RAL 9006	 RAL 5012	 RAL 5002 ⚡

⚡ Antistatic available

INSULATED PVC

 RAL 9010	 RAL 5002
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Other colors are optional

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BMP
HIGH SPEED DOORS

4816 Zane A Miller Drive
Waynesboro, PA 17268 (USA)
tel: 800 390-1086
www.bmpdoors.us

US2023/2-ENG-MS150

DynamicRoll®
MACHINE GUARD MS 150

A versatile protective mechanical barrier
for machinery and automated lines.



BMP
HIGH SPEED DOORS

DynamicRoll®

MACHINE GUARD MS 150

The Dynamicroll® MS 150 door serves to shield machinery and automated production lines when they are in operation.

Equipped with a safety micro switch installed in the bottom part of the column (accessible) that assures a “door closed” signal is available outside of the control panel. The curtain is equipped with lateral zippers that assure retention of the door curtain for the full height. Making the **MS 150** ideal for protection.

FEATURES AND BENEFITS



FAST

- Short waiting times



RELIABLE

- Minimize down-time
- Minimize maintenance



IMPACT RESISTANT

- Up to 115 Joules
- Security switches



ANTI DUST

- Protects machineries from dust

SAFETY

The door complies with the machinery directive 2006/42/EC and the directive 2014/30/EU (EMC).

Safety of control circuits PL D (Performance Level) according to EN 13849-1 or SIL 2 (Safety Integrity Level 2) according to IEC 62061.



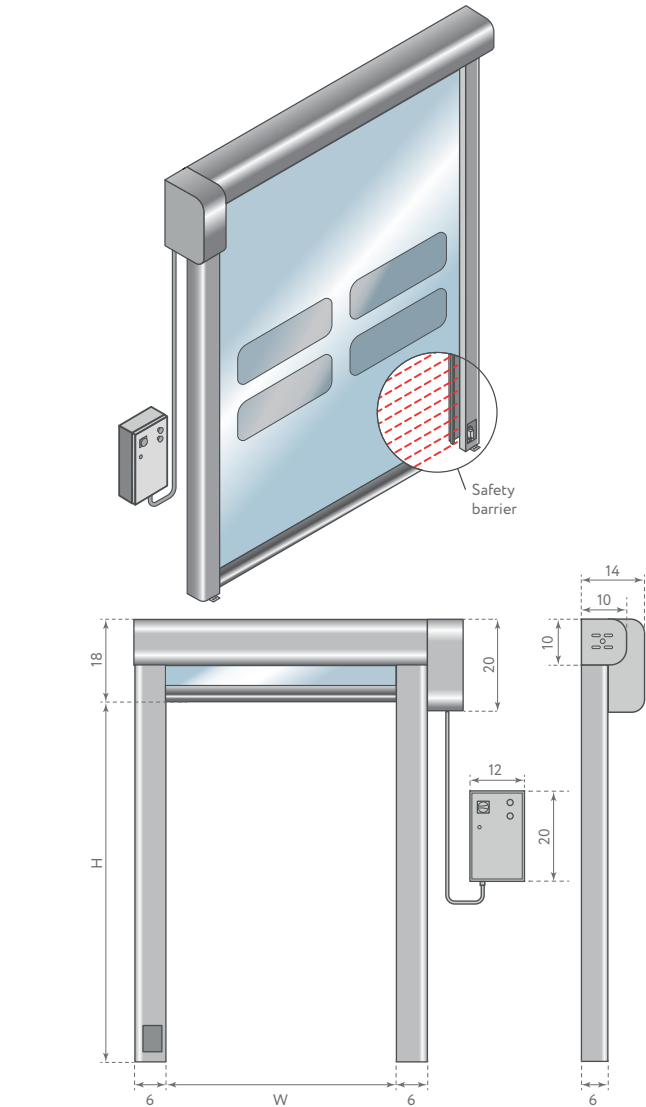
TECHNICAL DATA

MAXIMUM DIMENSIONS	W 20 ft x H 16 ft
SPEED	Max. opening speed: up to 72 in/sec
	Closing speed: 32 in/sec
CYCLES TEST	1.000.000
WIND RESISTANCE	10 ft x 10 ft = 88 mph / Class 4
STRUCTURE	Not self-supporting - Free standing frame optional
FRAME / MOTOR COVER HOOD	STANDARD - Galvanized steel
	OPTIONAL - Powder coated steel - Stainless steel 441/316
CURTAIN	STANDARD - PVC curtain 35 oz / sq. yd.
	OPTIONAL - FDA (white)
CONTROL PANEL	STANDARD - Galvanized steel box Nema 4
	OPTIONAL - Stainless steel Nema 4X
	Inverter system 50/60 Hz with absolute encoder
	Power supply 3-ph, 460V max 10A
	Power supply 3-ph, 230V max 16A
	Power supply 1-ph, 208V max 16A
	Start/stop button
	2 free contacts (door open/closed/alarm)
	Automatic/manual interlocking between 2 doors
	IP rating for motor and control panel IP54
WIRING	Plug and Play IP65 system
SAFETIES	STANDARD - Multi ray light curtain barrier 98" H IP67
EMERGENCY OPENING	STANDARD - Hand crank
	OPTIONAL - Chain system - Counterweight system - UPS battery
ADVISING OPERATIVE TEMPERATURE	Operating till -20° F° with heating kit added - Not apt to be installed in negative/positive temperature

EN ISO 14120 CERTIFICATION

220 POUNDS x 3.7 MPH	IMPACT TEST
Tested impact energy: 115 JOULES (Annex C - C.2.5.1)	

DOOR SPACE REQUIREMENTS



FIXING DETAILS



EN 13241 CERTIFICATION

STANDARD	RIF.	TEST ACC.	RESULTS
WATER PERMEABILITY	EN 12425	EN 12489	Class 1
WIND LOAD	EN 12424	EN 12444	Class 2
WIND PERMEABILITY	EN 12426	EN 12427	Class 1
SAFE OPENINGS	EN 12453	EN 12445	-
MECHANICAL RESISTANCE	EN 12604	EN 12605	-
UNINTENDED MOVEMENTS	EN 12604	EN 12605	-
THERMAL TRANSMITTANCE	EN 12428	EN 12428	2,2 W/m²K
PERFORMANCE (CYCLES)	EN 12604	EN 12605	1.000.000

Values can change depending on door dimensions