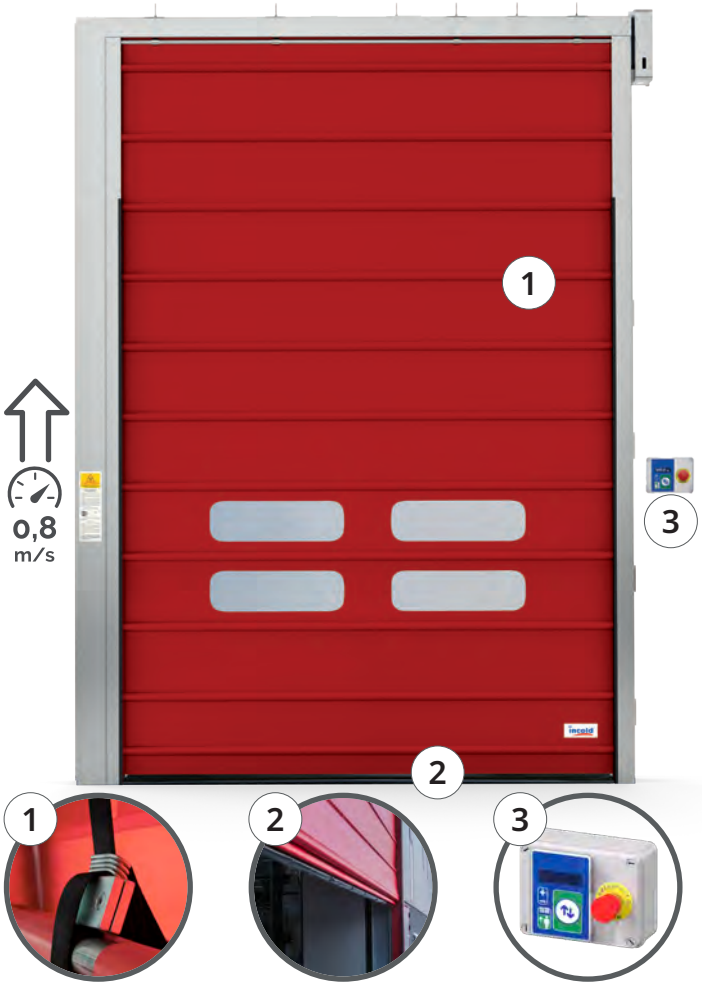


THE FOLD 900 FOLD-UP DOOR is strong thanks to the folded frame in 3 mm thick galvanised steel sheet.
The folding system consists of a tarp (PVC coated tarp) strengthened internally by galvanised steel tubes placed inside welded pockets. The diameter of the strengthening tubes varies according to the resistance class for the required air pressure. The tarp assembly is lifted thanks to belts secured above the winding shaft.

ADVANTAGES

- ✓ Safety
- ✓ Strength
- ✓ Easy to install with pre-wired electronics

APPLICATIONS

- ✓ Warehouses
- ✓ Industry
- ✓ Composting plants
- ✓ Farm storage areas
- ✓ Car washes
- ✓ Laboratories

AIR PRESSURE RESISTANCE

Available in class 2 / 3 / 4 depending on requirements

GENERAL TECHNICAL FEATURES

Max dimension	L max 6000 mm
Frame	Galvanised steel (painted on request) *opt:* FOLD 900-IX Aisi 304 stainless steel sheet *
Winding shaft	*up to 6000 x 6000 mm:* Ø 114 in aluminium *over:* Ø 133 in steel
Maximum speed	*opening:* up to 0.8 m/s (adjustable) *closing:* 0.6 m/s with acceleration and deceleration ramps
Tarp	PVC 900 g/m² with two window rows
Sliding	On plastic profiles fixed on the frame Smoother sliding tarp support *opt:* Side brushes to reduce the noise and the passage of hot/cold air from inside to outside
Electronics	Motorgear: three-phase asynchronous fitted with parachute and encoder and inverter system; various powers depending on size. Automation power supply: 230 V 50/60 Hz 1 phase + Neutral and Earth *opt:* Remote control with IRMOS system
Opening	Keypad and emergency push button + mushroom push button Ø 90 mm
Wiring	Door supplied pre-wired
Emergency opening	Manual handle Counterweight for system balancing needed in some large doors; always available as optional for opening by foot in the absence of power supply *opt:* Continuity unit (UPS)

* Versions on the next page

Supporting structure if necessary not included

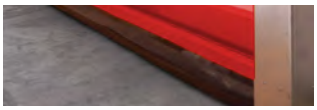
AVAILABLE COLOUR/RAL STANDARD

1003 1021 5010 5012 9016 1013
2004 3002 3028 6026 9005 7001
7035 9006 7037 7038

STANDARD SAFETY SYSTEMS

• **SAFETY EDGE**

Safety edge with wireless transmitter fitted with long-lasting battery



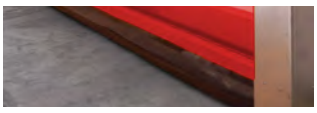
Primary safety

2 pairs of single ray photoelectric cells inside and outside the frame uprights

Secondary safety

• **OPTION SAFETY EDGE AND OPTICAL BARRIERS (L < 6500 mm)**

Safety edge with wireless transmitter fitted with long-lasting battery



Primary safety

Optical barriers in compliance with the EN 12445 standard (for H ≥ 2.5 m)

Secondary safety

TARP OPTIONS

Custom 1 line 3 lines 4 lines

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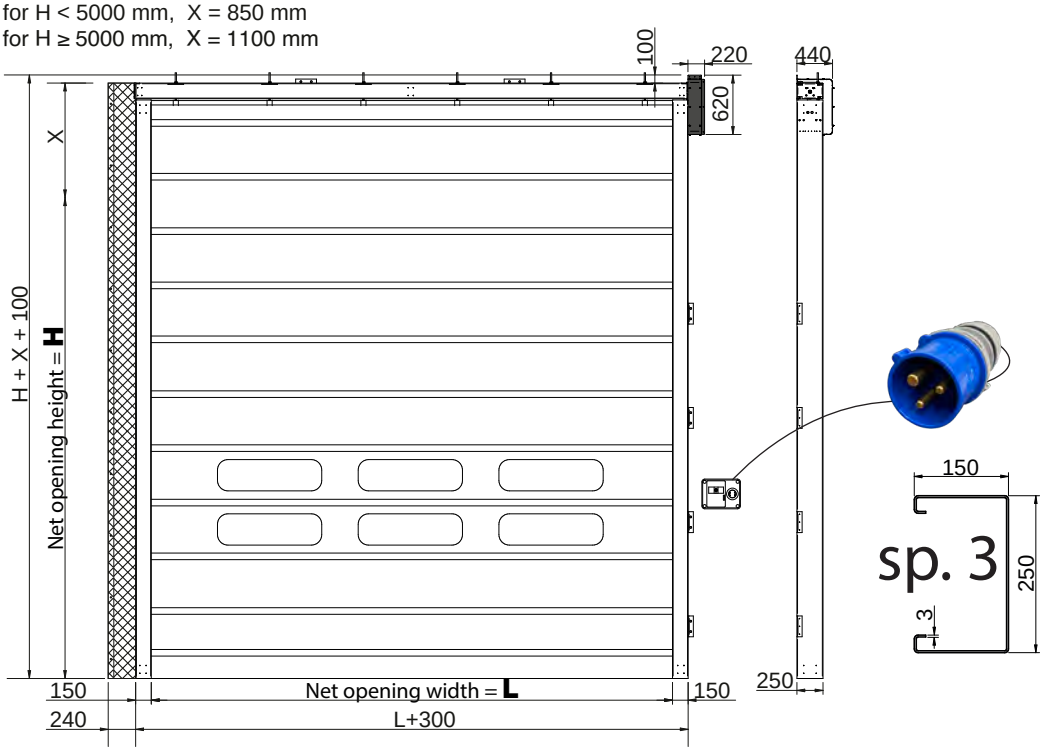
DIMENSIONS

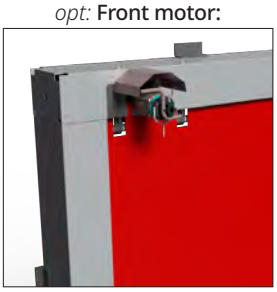
Motor positioned to the left or to the right
Max L 6500 mm

for H < 5000 mm, X = 850 mm
for H ≥ 5000 mm, X = 1100 mm



opt: Counterweight system

opt: **Front motor:**



OTHER VERSIONS

FOLD 900-IX

The FOLD 900-IX fold-up doors are a variant of the FOLD 900, featuring a frame made from AISI 304 stainless steel.

APPLICATIONS

- ✓ Warehouses
- ✓ Industry
- ✓ Composting plants
- ✓ Farm storage areas
- ✓ Car washes
- ✓ Laboratories

TECHNICAL FEATURES

Frame	Aisi 304 stainless steel
Winding shaft	Depending on the size: an anodised aluminium shaft with Aisi 304 stainless steel ends and PE-stainless steel bearings, or a shaft made entirely of Aisi 304 stainless steel
Motorgear	Complete with electromagnetic brake and absolute encoder with cataphoresis coating

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