

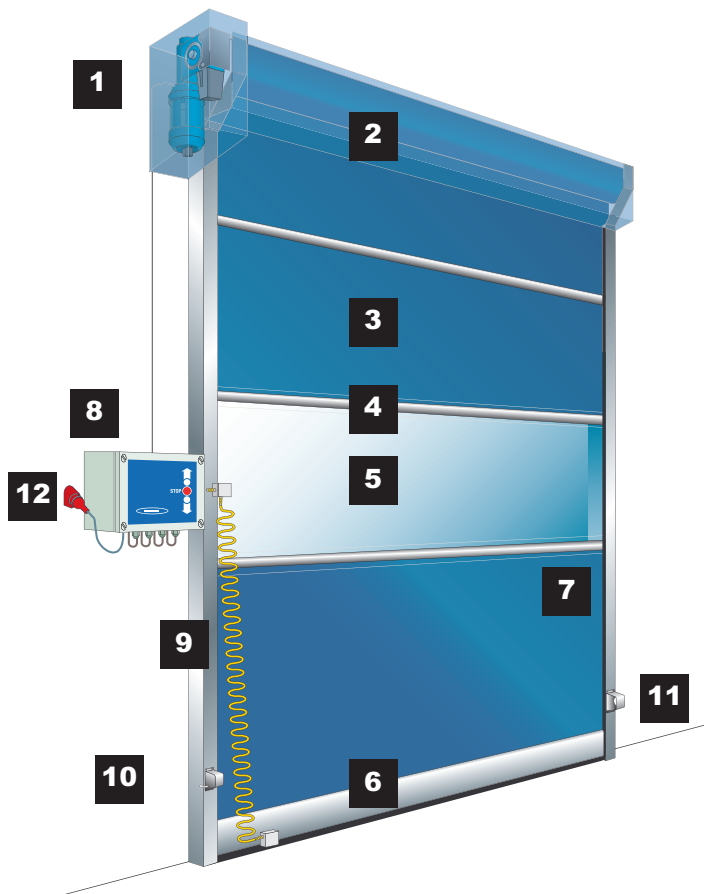


SERVICE MANUAL

- CE DECLARATIONS
- LOG BOOK
- USER MANUAL

SPEEDROLLER

Edition : May 2011



Main components

- 1 drive
- 2 wind roller with hood (optional)
- 3 door panel
- 4 aluminium hinge profile
- 5 window section
- 6 bottom beam
- 7 side guide with brush guide
- 8 control box
- 9 spiral cable
- 10 photocell
- 11 reflector
- 12 CE plug

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Read this first!

- Read through the whole user manual before using the product.
- An electrically-driven door may only be used after it has been issued with a Certificate of Conformity.
- This manual describes the use of a door that has been installed and configured by an authorised dealer or a suitably qualified engineer.
- It is intended for the day-to-day user of the door and must be kept in the immediate vicinity of the door.
- Instruct users how to operate the door.
- Do not allow third parties (e.g. visitors) to operate the door.
- This product has been designed and manufactured in accordance with the ISO 9001 quality system.
- The manufacturer accepts no liability for damage and/or injury caused by failing to follow the instructions in this manual.
- Have the door repaired, maintained and removed by qualified engineers only.
- The type plate contains information you will need when you contact your dealer (it can be found on one of the side guides and on the control box).
- The product may only be modified or added to by the supplier.

Improper use!

- Never place objects against the door panel, against the roller or in the guides.
- Never attach any components to the door panel which could increase its weight.
- Never use the door as a hoist.
- Never climb on the door panel.
- Never open and close the door using any other switches than those fitted for that purpose.

Warranty conditions

Metaalunie terms and conditions

General terms and conditions of delivery and payment issued by Metaalunie (the Dutch organisation for small and medium-sized enterprises in the metal industry), referred to as METAALUNIE TERMS AND CONDITIONS, formerly SMECOMA TERMS AND CONDITIONS, filed with the Registry of the Court of Rotterdam on 1 January 2001.

Issued by Metaalunie
Postbus 2600
3430 GA Nieuwegein

Product description

The Novoferm Speedroller is an electrically driven fast action roller door for use in industrial and commercial buildings. It can be used for energy saving, draught exclusion and climate control.

Specification, construction

The Novoferm Speedroller is a door without balance springs, consisting of a door panel that is rolled up by an electrically driven roller above the opening. The door panel is made of horizontal sections composed of reinforced PVC sheet, linked together by means of aluminium reinforcement profiles. The door panel is fitted with a transparent PVC vision section at a height of between approx. 1200 and 2200 mm. The closing edge of the door panel consists of an aluminium beam with a rubber seal. U-shaped channels with brush draught seals guide the door panel at the sides. The side guides and the bearing plates form a unit on which the roller and the drive are mounted.

Materials

The side guides are made of set Sendzimir galvanised steel channels fitted with brush draught seals that can be removed for installation and maintenance. The horizontal roller is made of steel. The bottom beam is made of aluminium. The door panel is made of 1.2 mm thick, polyester-reinforced PVC. It is available in blue, orange, yellow or black and is fitted as standard with a vision section.

Drive

The drive unit consists of an electric motor/gearbox unit and a built-in anti-roll-off device. The roller is driven directly.

Controls

The control system incorporates a variety of functions such as:

- controllable open position duration (dead man mode)
- service and operating mode
- LED indicator for monitoring the various functions
- choice of permanently open or permanently closed.

Operation

The control box has two push buttons (open/close) as standard and an emergency stop switch. The power can be switched off completely by disconnecting the CE plug. Various actuators can be used: pull switch, key switch, push button, photocell, radar, induction loop detection or remote control with a transmitter and a receiver. Other types of actuator on request.

Safety devices

- in the event of a power failure the door can be cranked open manually with the crank supplied.
- the bottom beam is fitted with a self-testing safety edge which stops the or immediately causes it to re-open if an obstacle is encountered during closure. This safety device is moisture-proof.
- the side guide channels are fitted as standard with a safety photocell and a reflector (250 mm from the floor). The door will not close if the beam is broken.
- the drive is fitted as standard with an anti-roll-off device.

Fittings/Options/Accessories

- door panel 3 mm thick, transparent, blue or orange
- plastic rain hood over drive/roller or both
- side guide channels and hood painted in choice of RAL colour
- aluminium 'Break Away' end units in bottom beam (crash resistant)
- other electrical supply specifications besides 3N~400V/50Hz/16A
- electrical components IP65
- frequency inverter control:
 - opening speedapprox. 1.5 m/s
 - closing speedapprox. 0.75 m/s
- actuation using push buttons, pull switches, photocells, radar, induction loop or remote control
- half-height stop (for pedestrian access)
- interlock switching in combination with another door
- traffic light switching (red/green or red and green)

Mounting structure requirements and connection

- the power supply must be present within 500 mm of the control box
- required installation space as indicated in the installation guide.

Technical specifications

Dimensions

- maximum width.....4000 mm
- maximum height5000 mm
- max. wind resistance.....5 Beaufort
- space required, non-drive side (roller height).....160 mm
- space required, drive side300 mm
- space required for installation, drive sidemin. 550 mm
- space required, side guide channels.....110 mm
- headroom.....575 mm

Technical specifications of electric motor

- mains voltage.....3N~400V/50Hz/16A
- degree of protectionIP54
- power consumption.....max. 2 kW

Performance

- opening and closing speed.....approx. 1 m/s

Operating and using the door

Push buttons [↑] and [↓] on the door of the control box

Push button [↑] has two different functions:

timer function

If push button [↑] is pressed briefly (less than 1.5 seconds), the door opens and closes automatically after the set open position delay.

Summer setting

When push button [↑] is pressed, the door remains open. The door can be closed by pressing push button [↓].

Reset after safety edge protection actuated

After safety edge protection is actuated, reset by pressing push button [↓].

STOP button

Use the STOP button to stop the door in any position. An external UP/STOP/DOWN push button box can be connected to the control box (optional).

Operating the timer

The door opens when the timer input is activated. A timer starts running as soon as the door is fully open. The door closes automatically at the end of the set time. The open position delay is set by means of a potentiometer on the PCB. The timer can be operated with the following controls: push buttons, pull switches, photocells, radar, radio receiver with remote control, induction loop detector.

Setting the timer

The time is set with potentiometer P2 (on the control board in the control box). Turn it clockwise to shorten the open position delay and anti-clockwise to increase it.

Door open/door closed control

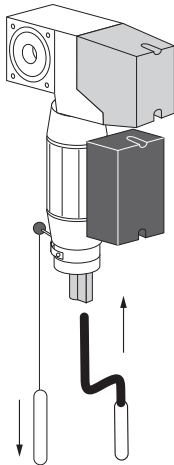
When the door open/door closed input is activated with the door closed, the door opens. When the door open/door closed input is activated with the door open, the door closes. The door-open/door-closed feature can be operated with the following controls: push buttons, pull switches, radio receiver with remote control

Emergency operation in case of a power failure



Make sure you are standing on a sufficiently firm surface next to the drive.

Take the drive crank and insert it into the drive from underneath. Release the motor brake (depress the handle at the top of the drive) and crank the door open or closed.



Faults

Faults in standard version

Faults you can fix yourself: standard door version:

The door panel has come out of the guides

- Disconnect the power plug
 - Stop the door and rehang the curtain and bottom beam in the guide channel (lift on one side and rehang). Then open and close the door in a controlled manner (1) by about 0.5 m at a time.
- (1) To do this, press the 'Up' or 'Down' buttons and the 'Stop' button alternately.

The door is completely unresponsive

- Check that it is connected to the mains power

Faults in the timer control box

The door does not respond to connected controls

- Is the power on? (Yellow LED on the box is on)

The door no longer closes

- Check the power supply and the safety photocell setting. The door will not close when the red LED on the box is on (see also 7.2).

Faults you CANNOT fix yourself:

Have the following information to hand before you contact your maintenance company:

- the serial number (s/n) located on the type plate (you will find this on one of the side guides or on the control box (if applicable).

Maintenance

General

- all rotation points are self-lubricating so they are maintenance-free.
- in extreme conditions (aggressive environment), we recommend lubricating all rotation points once every six months (or as necessary).

Daily

- remove dirt and obstacles that may impede the door's operation.

Weekly

- Check the drive for leaks
- Check the door for damage
- Check that the door is operating properly

Monthly

- Check the operation of the motor brake (this must 'click' audibly when the door is opened and closed)

Annually

- The operation of the door and its structural condition must be checked once per year by a qualified engineer. A maintenance contract can be taken out for this purpose.

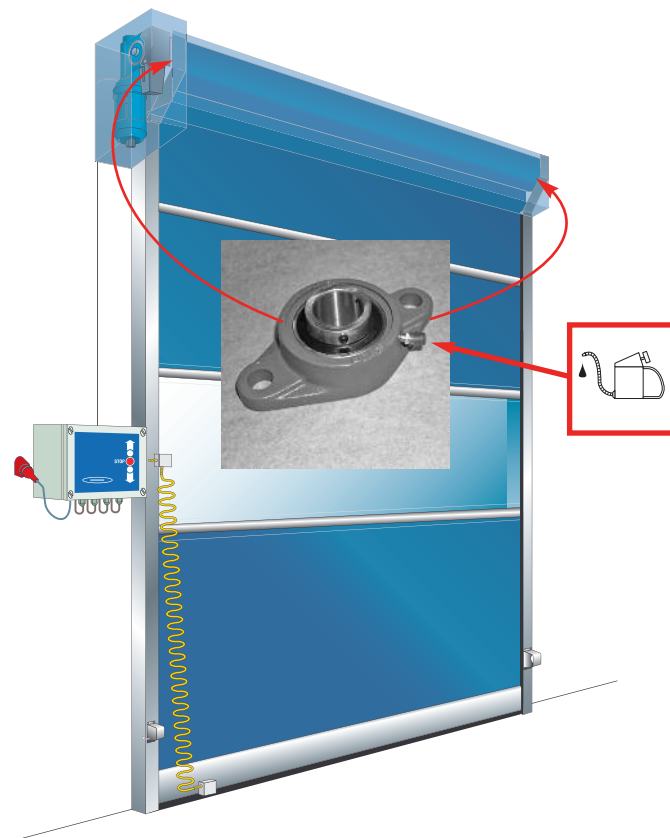
Cleaning the door panel

- The door panel is made of PVC. Do not use any corrosive substances; only use water, neutral soap or a special door panel cleaner.

NB!

- All other forms of maintenance must be carried out by a suitably qualified engineer.

Lubrication points



EU Declaration of Conformity to EN 13241-1

In accordance with EN 13241-1 Industrial, commercial and garage doors and gates - Product Standard Annex 2A

Novoferm Nederland BV
Industrieweg 9
4181 CA Waardenburg
The Netherlands

Hereby declares that the Novoferm SPEEDROLLER series fast action roller doors

- Satisfy all the relevant requirements of the EC Construction Products Directive (89/106/EEC) and, in combination with the factory-specified GFA drive,
- Satisfy all relevant requirements of:
- EC Construction Products Directive (89/106/EEC)
- EC Machinery Directive (98/37/EEC)
- Low Voltage Electrical Equipment Directive (73/23/EEC)
- EMC Directive (89/336/EEC)

The following harmonised standard has been applied:

- EN 13241-1 Industrial, commercial and garage doors and gates - Product Standard
- Conformity has been verified by the following notified body:


RWTÜV Systems GmbH

Notified Body 0044

Langemarckstrasse 20
D 45141 Essen

Waardenburg, January 2011

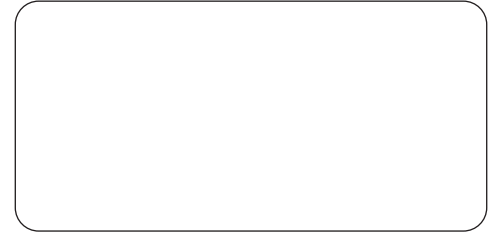
Signature:


R. Schackmann
Managing Director, Novoferm Nederland BV

Installation company's declaration

We declare that we have complied with the manufacturer's instructions.

Company stamp



Installation company :

Street :

Postcode/Place :

Phone/fax :

Delivery

Place :

Location :

Date :

Name of engineer :

Signature of engineer :

Delivery checklist

Location of the door

Operational on

Checked by

Installation/maintenance checklist

Door panel	OK/faulty
Condition of door panel	<input type="checkbox"/> <input type="checkbox"/>
Attachment to roller	<input type="checkbox"/> <input type="checkbox"/>
Attachment to bottom beam	<input type="checkbox"/> <input type="checkbox"/>
Welds in door panel.....	<input type="checkbox"/> <input type="checkbox"/>
Section clamps	<input type="checkbox"/> <input type="checkbox"/>
Condition of door panel hinges.....	<input type="checkbox"/> <input type="checkbox"/>

Bottom beam	OK/faulty
Condition of bottom beam channel.....	<input type="checkbox"/> <input type="checkbox"/>
Guides	<input type="checkbox"/> <input type="checkbox"/>
Floor rubber	<input type="checkbox"/> <input type="checkbox"/>
Break away *	<input type="checkbox"/> <input type="checkbox"/>
Guide	OK/faulty
Draught seal	<input type="checkbox"/> <input type="checkbox"/>
Column attachment	<input type="checkbox"/> <input type="checkbox"/>
Attachment of roller caps.....	<input type="checkbox"/> <input type="checkbox"/>
Drive	OK/faulty
Attachment of bearing consoles	<input type="checkbox"/> <input type="checkbox"/>
Motor attachment.....	<input type="checkbox"/> <input type="checkbox"/>
Leaks	<input type="checkbox"/> <input type="checkbox"/>
Motor brake	<input type="checkbox"/> <input type="checkbox"/>
End terminals (settings).....	<input type="checkbox"/> <input type="checkbox"/>
Control box	OK/faulty
Push buttons on box.....	<input type="checkbox"/> <input type="checkbox"/>
Stop switch	<input type="checkbox"/> <input type="checkbox"/>
General cabling	<input type="checkbox"/> <input type="checkbox"/>
Controls	OK/faulty
Push button*	<input type="checkbox"/> <input type="checkbox"/>
Pull switch*	<input type="checkbox"/> <input type="checkbox"/>
Photocell + reflector *	<input type="checkbox"/> <input type="checkbox"/>
Radar *	<input type="checkbox"/> <input type="checkbox"/>
Induction loop *	<input type="checkbox"/> <input type="checkbox"/>
Receiver *	<input type="checkbox"/> <input type="checkbox"/>
Hand-held transmitter *	<input type="checkbox"/> <input type="checkbox"/>

Key switch *	<input type="checkbox"/> <input type="checkbox"/>
Explosion-safe*	OK/faulty
power conductor, intermediate hinge	<input type="checkbox"/> <input type="checkbox"/>
Door panel earthing	<input type="checkbox"/> <input type="checkbox"/>
Tensioning and balancing system *	OK/faulty
Attachment of tension belts	<input type="checkbox"/> <input type="checkbox"/>
Return pulley for tension belt.....	<input type="checkbox"/> <input type="checkbox"/>
Tension belts	<input type="checkbox"/> <input type="checkbox"/>
Tension belt flange	<input type="checkbox"/> <input type="checkbox"/>
Rain cover*	OK/faulty
Attachment.....	<input type="checkbox"/> <input type="checkbox"/>
Seal tightness	<input type="checkbox"/> <input type="checkbox"/>
Various	OK/faulty
Maintenance sticker.....	<input type="checkbox"/> <input type="checkbox"/>
Type plate.....	<input type="checkbox"/> <input type="checkbox"/>
Safety devices	OK/faulty
Safety edge protection.....	<input type="checkbox"/> <input type="checkbox"/>
Safety photocell	<input type="checkbox"/> <input type="checkbox"/>

* if applicable

