



Lindner Hinged Door Swing MPH

## Description

The Swing MPH door system, specially designed for use in GMP areas, offers maximum flexibility for a wide range of applications.

This means that both a laser protection and a radiation protection variant for special areas in GMP production can be realized without any visual changes.

The door leaf made of powder-coated, galvanized sheet steel is extremely impact- and scratch-resistant and offers excellent resistance to cleaning agents and disinfectants.

The Swing MPH door system is also available as a complete unit with automatic drive, interlock control, holding magnet or other electrical components.

Whether for manual use, automated or as a complex system integrated into interlock control systems - the options are extremely varied.

The door leaf has a thickness of 40 mm and the door gap is 3 - 4 mm.

## Fields of application

- Pharma production
- Medical technology
- Laboratories



For further information please visit  
[www.Lindner-Group.com](http://www.Lindner-Group.com)

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## 1. Door Leaf

Number of door leaves	<ul style="list-style-type: none"> <li>• Single-leaf door</li> <li>• Double-leaf door</li> </ul>
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### 1.1 Tubular frame / Metal door leaf

Material of outer shell	<ul style="list-style-type: none"> <li>• Frame: - Galvanized sheet steel (thickness 0,75 mm) - Stainless steel (thickness 0,80 mm) - Aluminum (thickness 1,00 mm)</li> <li>• Glazing: TSG, LSG, insulated glazing</li> </ul>
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Frame	<ul style="list-style-type: none"> <li>• Powder coated RAL 9010</li> <li>• Powder coated according to RAL</li> <li>• Powder coated according to NCS</li> <li>• Stainless steel double-cut (sanded and brushed)</li> <li>• Stainless steel 240 grit sanded</li> </ul>
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### 1.2 Built-in components / Extensions

Handle options	<ul style="list-style-type: none"> <li>• Knob / Knob</li> <li>• Handle / Knob</li> <li>• Handle / Handle</li> </ul>
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Hinges	<ul style="list-style-type: none"> <li>• VX – hinges</li> <li>• Hidden hinges</li> </ul>
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Main locks	<ul style="list-style-type: none"> <li>• Mortise lock class 4</li> <li>• Panic mortise lock</li> <li>• Profile cylinder</li> </ul>
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Door sealing (optional)	<ul style="list-style-type: none"> <li>• Frame sealing</li> <li>• Floor sealing</li> </ul>
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Glazing (optional)	<ul style="list-style-type: none"> <li>• Without blind / roller blind</li> <li>• With internal electric blind</li> <li>• With internal manual blind</li> <li>• With internal electric roller blind</li> </ul>
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Installation variants of glazing	<ul style="list-style-type: none"> <li>• Flush installation without covering frame</li> <li>• With surface mounted covering frame</li> </ul>
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Special glazing (optional)	<ul style="list-style-type: none"> <li>• Radiation protection</li> <li>• Laser protection</li> </ul>
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Additional hardware	<ul style="list-style-type: none"> <li>• Additional locks</li> <li>• Reed switches</li> <li>• Electric opener</li> <li>• Strike plate</li> <li>• Scratch protection</li> </ul>
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## 2. Frame

Material	<ul style="list-style-type: none"> <li>Galvanized steel</li> <li>Stainless steel</li> </ul>
Surface	<ul style="list-style-type: none"> <li>Powder coated RAL 9010</li> <li>Powder coated according to RAL</li> <li>Powder coated according to NCS</li> <li>Stainless steel double-cut (sanded and brushed)</li> <li>Stainless steel 240 grit sanded</li> </ul>
Controls	<ul style="list-style-type: none"> <li>Operation button <sup>1)</sup> (<i>permanent on, person-, bed passage</i>)</li> <li>Rubber pad operation button on the frame <sup>1)</sup></li> <li>Pad switch <sup>1)</sup></li> <li>Non-contact controls <sup>1)</sup> (<i>integrated in the adjacent wall</i>)</li> </ul>
Controls / Signals (optional)	<ul style="list-style-type: none"> <li>Button for operating the integrated electric blinds and roller blinds</li> <li>Emergency button (for interlocking)</li> <li>Traffic light LED-RGB (for interlocking)</li> </ul>
Specials (optional)	<ul style="list-style-type: none"> <li>Radiation protection</li> </ul>

1) Only available with automatic drives.

## 3. Door Drive / Door Closer

Door closer	<ul style="list-style-type: none"> <li>Integrated door closer</li> <li>Overhead door closer</li> </ul>
Drive type	<ul style="list-style-type: none"> <li>Automatic door drive according to DIN EN 16005 / DIN 18650</li> </ul>
Special function (optional)	<ul style="list-style-type: none"> <li>Airlock function according to requirement</li> </ul>

## 4. Safety Precautions

Sensors (optional)	Door movement monitoring according to DIN 18650 and DIN EN 16005
Door leaf monitoring	Electronic monitoring of dynamic force limitation when opening and closing; the door stops and remains stopping as soon as the allowable resistance is exceeded.

## 5. Performance

Fire protection	T0
Sound insulation	Up to 35 dB Rw acc. to DIN EN 20140-3 (ISO 140-3: 1995) *

\*Only for single leaf doors



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