WPS02
Waste powder conveying with BIG-BAG station

Translation of the original operating instructions
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General safety regulations

This chapter sets out the fundamental safety regulations that must be followed by the user and third parties using the WPS02.

These safety regulations must be read and understood before the WPS02 is put into operation.

Safety symbols (pictograms)

The following warnings with their meanings can be found in the ITW Gema operating instructions. The general safety precautions must also be followed as well as the regulations in the operating instructions.

DANGER!

danger due to live electricity or moving parts. Possible consequences: Death or serious injury

WARNING!

improper use of the equipment could damage the machine or cause it to malfunction. Possible consequences: minor injuries or damage to equipment

INFORMATION!

useful tips and other information

Conformity of use

1. The WPS02 is built to the latest specification and conforms to the recognized technical safety regulations and is designed for the normal application of powder coating.

2. Any other use is considered as non-conform. The manufacturer is not responsible for any incorrect use, the risk for this is assumed by the user alone! If the WPS02 is to be used for other purposes or other substances outside of our guidelines then ITW Gema GmbH should be consulted.

3. Observance of the operating, service and maintenance instructions specified by the manufacturer is also part of conformity of use. The WPS02 should only be used, maintained
and started up by trained personnel, who are informed about and are familiar with the possible hazards involved.

4. Start-up (i.e. the execution of a particular operation) is forbidden until it has been established that the WPS02 has been set up and wired according to the guidelines for machinery (98/37 EG). EN 60204-1 (machine safety) must also be observed.

5. Unauthorized modifications to the WPS02 exempts the manufacturer from any liability from resulting damage.

6. The relevant accident prevention regulations, as well as other generally recognized safety regulations, occupational health and structural regulations are to be observed.

7. Furthermore, the country-specific safety regulations also must be observed.

Note:
For further security information, see the more detailed ITW Gema safety regulations!

Product specific security measures

- The installation work, to be done by the customer, must be carried out according to local regulations
- Before starting up the plant a check must be made that no foreign objects are in the booth or in the ducting (input and exhaust air)
- It must be observed, that all components are grounded according to the local regulations, before start-up
About this manual

General information

These operating manual contains all important information which you require for the working with the WPS02. It will safely guide you through the start-up process and give you references and tips for the optimal use of your new powder coating system.

Information about the function mode of the individual system components - booth, gun control unit, manual gun or powder injector - should be referenced to their corresponding documents.
Function description

Field of application

The WPS02 Waste powder conveying system is built exclusively for collecting the waste powder accumulated in a plant into a BIG-BAG, in order to be disposed dust-free. Any other use is considered as non-conform. The manufacturer is not responsible for any incorrect use, the risk for this is assumed by the user alone!

System overview
Spare parts list

Ordering spare parts

When ordering spare parts for powder coating equipment, please indicate the following specifications:

- Type and serial number of your powder coating equipment
- Order number, quantity and description of each spare part

Example:

- **Type** WPS02
  - **Serial number** 1234 5678
- **Order no.** 203 386, 1 piece, Clamp - Ø 18/15 mm

When ordering cable or hose material, the required length must also be given. The spare part numbers of this yard/meter ware is always marked with an *.

The wearing parts are always marked with a #.

All dimensions of plastic hoses are specified with the external and internal diameter:

Example:

Ø 8/6 mm, 8 mm outside diameter (o/d) / 6 mm inside diameter (i/d)

**WARNING!**
Only original ITW Gema spare parts should be used, because the explosion protection will also be preserved that way! The use of spare parts from other manufacturers will invalidate the ITW Gema guarantee conditions!
# WPS02 - Spare parts list

<table>
<thead>
<tr>
<th></th>
<th>Description</th>
<th>P/N</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Safety rubber plate</td>
<td>1002 616#</td>
</tr>
<tr>
<td>2</td>
<td>Filter cartridge - TS-EE60/900 mm</td>
<td>212 920#</td>
</tr>
<tr>
<td>3</td>
<td>Threaded rod - M6</td>
<td>1001 504</td>
</tr>
<tr>
<td>4</td>
<td>Hexagon shakeproof nut - M6</td>
<td>244 430</td>
</tr>
<tr>
<td>5</td>
<td>Geka coupling - 1&quot;</td>
<td>1000 854</td>
</tr>
<tr>
<td>6</td>
<td>Pneumatic cabinet - see corresponding spare parts list</td>
<td></td>
</tr>
</tbody>
</table>

# Wearing part
WPS02 Pneumatic cabinet

1. Connection fitting - 1/2"a-1/2"a 202 967
2. Membrane grommet 246 239
3. Solenoid valve - 1/2", NW13.5 mm, 230 VAC (complete, incl. pos. 4) 259 500
4. Valve coil - 230 VAC (for pos. 3) 1001 158
5. Double nipple - 1/2"a-1/2"a, divisible 243 582
6. Plug cap - 1/2"a 259 306
7. Plug cap - 1"a 258 679
8. Adapter nipple - 1"a-1/2"i 252 875
9. Double nipple - 1/2"a-1/2"a 243 540
10. Pressure regulator - 10 bar, 1/2" 243 710
11. T-piece - 1/2"i-1/2"a-1/2"i 223 026
12. Double nipple - 1/2"a, 150 mm 1002 362
13. Adapter nipple - 1/4"i-1/2"a 253 995
14. Elbow joint - 1/4"a-Ø 8 mm 254 029
15. Pressure gauge - 0-10 bar, 1/8"a 243 620
16. Adapter - 1/2"i-1/2"i 202 622
17. Hose connector - Ø 12 mm-1/2"a 223 050
18. Valve cable - complete, 2 m 368 202