Operating Instructions and Spare Parts List

HRC 3 Hose Rinsing Control
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HRC 3 Hose Rinsing Control

1. Description

Powder hoses for up to 10 guns can be rinsed with HRC 3 Hose rinsing control unit. All the guns are rinsed simultaneously, whereby the rinsing air pressure is the same for each gun. The solenoid in the HRC 3 is switched on or off, as required, by a higher hierarchy control system (GEMA-VOLSTATIC - SPS Control). A special PI 4-V (or PI 2-V) injector is used to rinse the powder hoses.

The exact hose rinsing pressure must only be set once with the pressure reducing valve in the HRC 3 and afterwards left at this setting.

2. Technical Data:

General data:
- Maximum number of guns which can be connected = 10

Pneumatic data:
- Compressed air input: 7-10 bar
- Air consumption: 4 Nm³/h per gun, depending on the number of guns connected.
- Max. water content: 1.3 g/m³
- Max. oil content: 0.1 ppm

Electrical data of the solenoid valve:
- Rinsing voltage: 24 VDC
- Rinsing power: 8 W
3. Setting the rinsing pressure

The pressure to be set is dependent on the type, and characteristics of the powder, the length, and the number of bends in the powder hose.

The rinsing powder pressure need only be set once on the pressure reducing valve in the HRC 3 control unit and afterwards can be left as it is.

![Diagram of pressure reducing valve and rinsing air pressure gauge]

Figure 2

The pressure is set so that the powder hose is rinsed, but powder is not sucked into the injector, and air is not blown back into the powder hopper.
Pneumatic diagram

Pressure reducing valve 0 - 4 bar

Compressed air input
6 bar / 40 Nm³/h

24 VDC
8 W

Maximum 10 Guns
Each gun = 4 Nm³/h
## Spare Parts List

**HRC 3 Hose Rinsing Control**

<table>
<thead>
<tr>
<th>Part</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Main air input</td>
<td>223 794</td>
</tr>
<tr>
<td>Pressure gauge</td>
<td>239 712</td>
</tr>
<tr>
<td>Pressure reducing valve</td>
<td>240 028</td>
</tr>
<tr>
<td>Air hose ø 8 / 6 mm</td>
<td>103 152</td>
</tr>
<tr>
<td>Elbow connection</td>
<td>203 050</td>
</tr>
<tr>
<td>Distributor plate with 4 connections</td>
<td>342 831</td>
</tr>
<tr>
<td>Air hose ø 8 / 6 mm</td>
<td>103 152</td>
</tr>
<tr>
<td>Quick-release connection</td>
<td>236 004</td>
</tr>
<tr>
<td>Quick-release T-connection</td>
<td>239 704</td>
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<tr>
<td>Double adapter</td>
<td>202 541</td>
</tr>
<tr>
<td>Solenoid valve (complete)</td>
<td>240 125</td>
</tr>
<tr>
<td>Adapter</td>
<td>202 436</td>
</tr>
<tr>
<td>Elbow connection</td>
<td>237 604</td>
</tr>
</tbody>
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**Figure 4**