Multi-valve Adapter
Version for robots with Hollow-Wrist with integrated static mixer

Range of application
The multi-valve adapter – with colour changer, up to 6 valves and optional with integrated static mixer – is suitable for all paints, which must be mixed in specific volume contents prior to spraying and consists of 2 materials – A resin and B hardener. For versions with 1K materials the static mixer is not used.

Typical applications 2K materials
• Wood and plastics industry
• Large machines, containers, aeroplanes chemical plants
• Resistance against mechanical, chemical and environmental stresses
• For high quality finish with excellent flexibility of paint
• For reduced energy cost for curing of solvent borne systems
• For fast curing at normal ambient temperatures and easy handling of painted parts

Application safety
A and B components are mixed right in front of the gun in the multi-valve adapter. Only very little material is mixed thus minimizing waste of paint during flushing. Excellent mixing quality due to injection of hardener into resin.

Features
• Material only required at the moment is mixed
• When used together with an electronic 2K dosing unit wrong mixing ratios are impossible
• Material and disposal cost are reduced dramatically
• Very short flushing times increase productivity
• Minimum solvent and paint wastage for reduced emissions, material and disposal cost
• Suitable for paint systems with shortest pot life time
**Technical data**

**Multi-valve adapter – Version for robots with hollow-wrist**

Control air: 6 - 7 bar  
Dimension bracket for Hollow-Wrist: ca. 270 x 105 mm, incl. mounted spraying system  
Weight without spraying system: 7 kg (stainless steel)

Tool-Center-Point at 200 mm spraying distance:

<table>
<thead>
<tr>
<th>Control Type</th>
<th>X axis</th>
<th>Z axis</th>
<th>A axis</th>
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</thead>
<tbody>
<tr>
<td>C5.3 control:</td>
<td>+388.69 mm</td>
<td>-243.42 mm</td>
<td>-60°</td>
</tr>
</tbody>
</table>
| S4 control:   | +388.69 mm | -243.42 mm | q1 = 0.866025  
               |         |         | q2 = 0  
               |         |         | q3 = 0.5  
               |         |         | q4 = 0 |

**User friendly design**

- Individual control of atomizer and fan air  
- Dump valves for very short and controlled flushing cycles  
- Separate dump lines for stock paint and hardener  
- Change of mixer less than one minute  
- Collision safety feature  
- Quick release plate for spraying system  
- All valves and spraying systems controlled by robot controller  
- Quick mounting for hollow-wrist installation  
- Reverse opening paint valves – no parts in mix channel