



TIBCHEMICALS

PROTEGOL® UR / EP Coating Cartridge Systems

Solvent-free, two-component polyurethane / epoxy coating compound in a twin-cartridge
QUICK REFERENCE



Last update 03/2019

TIB Chemicals AG | Muelheimer Strasse 16 -22 | 68219 Mannheim | P. O. Box 81 02 20 | 68202 Mannheim | Germany
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<p>DPD 1500-01 DPS 1500-01</p>  <p>SULZER</p>	<p>General documentation</p> <p>This quick reference guide supplements the documentation of the dispenser, cartridge and accessories manufacturer. The manufacturer's instructions for use and hazard warnings must be followed.</p> <p>Please make sure you always have the latest version.</p> <p>Current version is 1.2 (23.6.17).</p>
<p>Safety instructions stickers DPS (12)</p>  <p>Safety instructions stickers DPD (12)</p> 	<p>General safety instructions</p> <p>General safety instructions in chapter 2 of a.m. document are mandatory.</p> <p>Non-observance of the safety instructions can result in accidents with severe injuries to persons and serious damage to property or the environment.</p> <p>If these instructions are not observed, high pressures can accidentally discharge from the dispenser or the dispenser may burst, resulting in serious injury to the user or persons in its vicinity and in damage to equipment.</p> <p>Neither is the manufacturer of dispenser and accessories or coating liable for any damages resulting from non-observance of the safety instructions.</p> <p>Intended use</p> <p>The dispenser was developed for mixing and dispensing materials of various combinations. Use in accordance with the intended purpose requires compliance with the instruction handbook. The dispenser may only be operated using cartridges and spray mixers from Sulzer Mixpac.</p>

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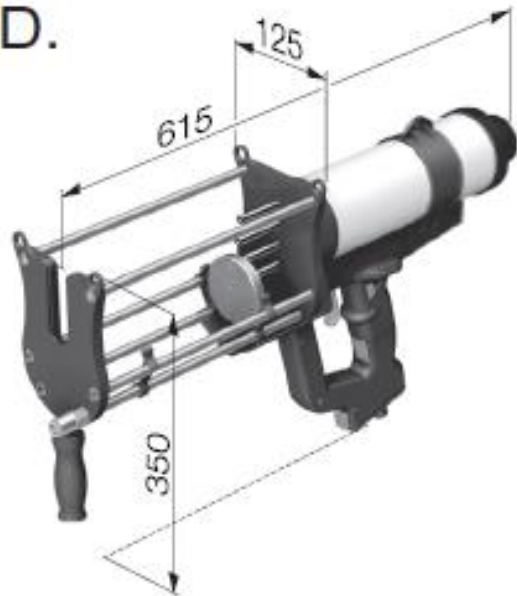


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 <p>TIBCHEMICALS</p> <p>Safety data sheet according to 1907/2006/EC, Article 31</p>	<p>General rules</p> <p>The general rules in dealing with (liquid) chemicals must be observed. You must know and follow our TDS, SDS and work instructions. Observe the safety instructions on the cartridge.</p> <p>The responsibility for personal protective equipment is borne by the user.</p>
<p>D.</p> 	<p>Technical data</p> <p>Operating pressure 700 kPa (7 bar) (100 psi) max.</p> <p>Compressed air supply 800 kPa (8 bar) (120 psi) max.</p> <p>Compressed air quality ISO 8573-1:2010 [2:4:2]</p> <p>Sound level 107 dB(A)</p> <p>Recommended operating temperature +5°C to +40°C</p> <p>Relative air humidity 30% to 80% RH (non-condensing)</p> <p>Transport and storage temperature 0°C to +40°C</p> <p>Pressure adjustment Infinitely variable</p> <p>Weight DPD: 4.2 kg DPS: 4.0 kg</p>

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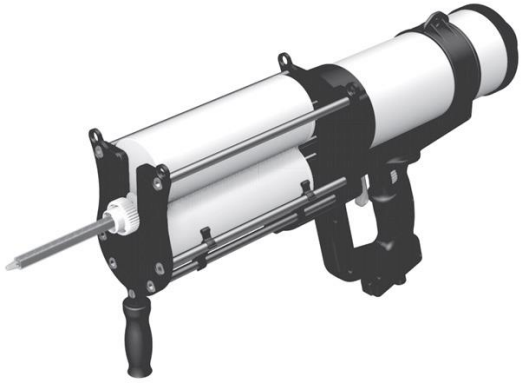
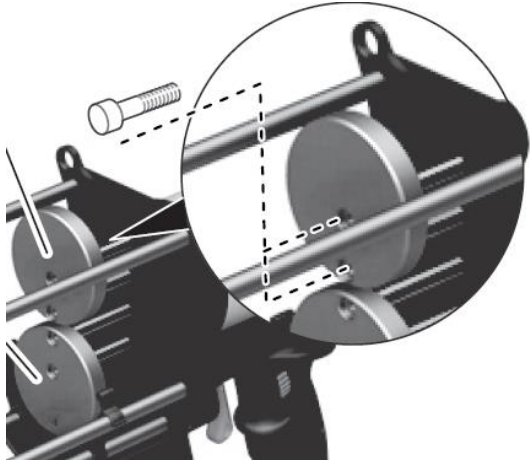


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	<p>Preparing the dispenser for use</p> <p>Follow the instructions from chapter 6 of manufacturer manual.</p>
	<p>Operation</p> <p>Before operation, always replace the upper plunger disc with one suitable for the cartridge used, see "6) Preparing the dispenser for use" on page 7 (if not already installed).</p>

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<p>H.</p>	<p>Inserting the cartridge</p> <p>Insert the cartridge into the cartridge holder and press downwards until it locks into the cartridge holding clips (17). The cartridge detection feature enables use of the device.</p>
<p>I.</p>	<p>Connecting the dispenser to the compressed air supply</p> <p>Connect the compressed air hose to the compressed air connection (20) via the quick release coupling.</p>

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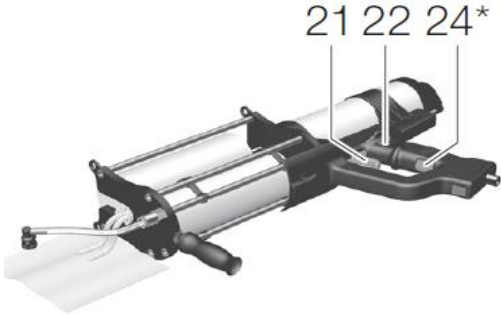
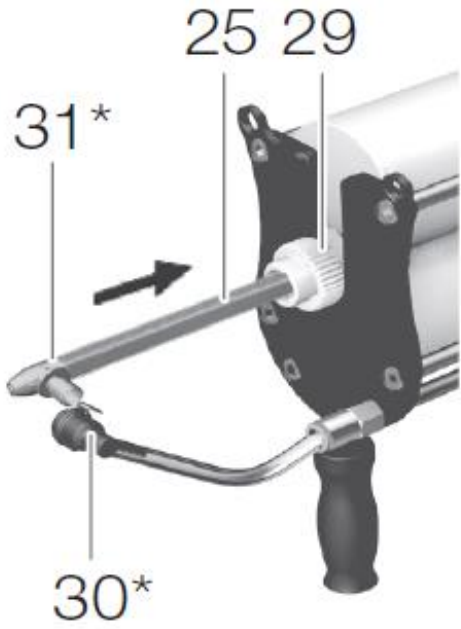


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<p>J.</p> 	<p>Equalizing the cartridge materials</p> <ol style="list-style-type: none"> 1. Unscrew the cap nut (29). 2. Remove the cartridge stopper (28). 3. Only DPS: Connect the atomizing air regulator (24). 4. Set the pressure regulation valve (22) to the minimum discharge quantity. 5. Press the trigger (21) until both components are evenly pressed out of the cartridge. The trigger cannot be actuated if the cartridge has not been inserted correctly.
<p>K.</p> 	<p>Fix the mixer onto the cartridge</p> <ol style="list-style-type: none"> 1. Remove any blockages in the cartridge and the cartridge sleeve with a clean cloth. 2. Fix the mixer (25) with a cap nut (29) on the cartridge outlet thread. 3. Only for DPS: Press the quick connector of the atomizing air line (30) onto the spraying head (31) until it locks into place.

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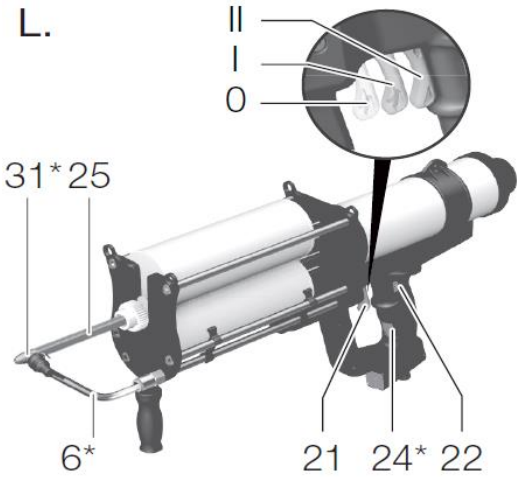
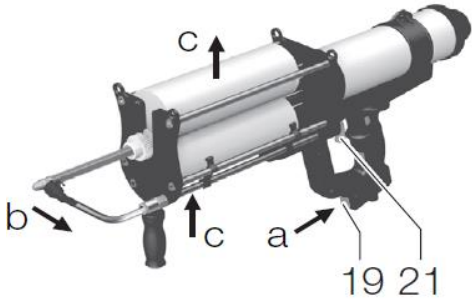


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<p>L.</p> 	<p>Dispensing the materials</p> <p>DPD</p> <ol style="list-style-type: none"> 1. Press the trigger (21). The dispensed materials are pressed out of the cartridge and combined in the mixer; the compound is discharged from the mix tip. 2. Adjust the dispensed quantity with the adjustment wheel (22). <p>DPS</p> <ol style="list-style-type: none"> 1. Press the trigger (21) up to its first stage (I). Atomizing air is transported through the atomizing air hose (6) to the spraying head (31). 2. Press the trigger (21) up to its second stage (II). Materials are pressed out of the cartridge and combined in the mixer (25), the compound is atomized with the atomizing air when it is discharged from the spraying head (31). 3. Adjust the volume of atomizing air with adjustment wheel (24) and the volume output with adjustment wheel (22).
<p>M.</p> 	<p>Remove the used cartridges</p> <ol style="list-style-type: none"> 1. Release the trigger (21) and press the red button (19) until the plungers have moved to the rear stop (a). 2. Only DPS: Release the atomizing air line from the spraying head (b). 3. Push out the cartridges below and remove upwards (c). <p>Always be sure to pay attention to people and the environment.</p>

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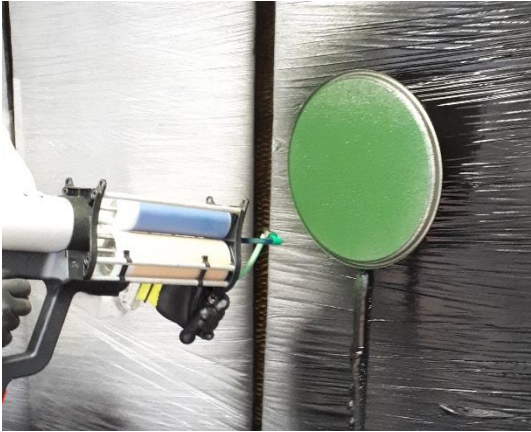




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	<p>Material temperature</p> <p>For application of PROTEGOL® UR / EP Coatings in cartridges, please check TDS for necessary material temperature. Complying with the required minimum temperature is essential.</p> <p>Reduced material temperature leads to mixing errors and application problems like blisters.</p> <p>An indication of correct settings is a uniform spray cone with neutral and consistent colouring. Deviations indicate problems, for example, too low temperature of the components, incorrect adjustment of the compressed air, problems with the static mixer.</p>
	<p>Venting and Flooding the cartridge materials</p> <p>An alternative to the above-mentioned procedure "Equalizing" is "Venting and Flooding" of cartridges: For an even mixing ratio, point the cartridge assembly up (vertically) and slowly pour the material into the static mixer. Dole out the first load of unmixed material (roughly twice the capacity of a static mixer) in the waste container. Repeat this process every time the cartridge set is changed.</p> <p>Be sure to pay attention to people and the environment.</p>
	<p>Resealing</p> <p>If the cartridge has not been emptied completely it may be closed with the original cap; the cap is designed so that the components are not mixed.</p>

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Additional accessories

Additional accessories like Dual Flex Line or Flex Hose Brush and alternative application devices are available on request.

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