



### **Warnings:**

- Make sure you have the correct pump.  
EQ-PR-S1401-PUMP2-A should always be used together with EQ-PR-S1401-PUMP2-B  
To help you, every pump has a printing on the cover that indicates the type of epoxy for which the pump is designed as well as the indication of the epoxy component resin (part A) or hardener (part B).  
ex.EQ-S1401-PUMP2-A should ONLY be used on the pail S1401-PART-A
- Do not use the epoxy pumps when the epoxy is below 30 °C. This may damage the pumps.
- Once mixed, epoxy has a limited pot life. Only mix the quantity needed for one installation.
- Curing of epoxy is an exothermic reaction that generates heat. Never mix large quantities of epoxy (over 500 gr) as this may cause too much heat to be generated and may result in burns.
- Do not put pump A into epoxy drum B and vice versa as this will result in wrong mixing ratios or may destroy the pump.
- Before dispensing epoxy components using the Covalence epoxy pumps, please check that the spacer attached to the pump is the correct length for the epoxy type – 34.3 mm for S1401.
- Take all needed general safety precautions and read epoxy safety datasheets prior to start working.

### **Installation steps:**

1. Open the drum of epoxy either by removing the plastic plug positioned on the side of the cover of the closed head pail or by removing the complete cover of the open head pail.  
For material in open head pails with removable cover it is recommended to stir well before use.
2. Position the epoxy pump in the drum and fix it by turning on the screws on the cover of the pump. Adjust the height of the pump when needed. The pump should touch the bottom of the epoxy drum. Loosen the collar and push the pump deeper in or lift as appropriate.
3. The epoxy pumps are calibrated to give the correct mixing ratio of epoxy.  
**One stroke of the resin (part A) should be mixed with one stroke of the hardener (part B).**  
To guarantee correct ratios, **use full strokes.** From each component, pump the required dosis into an adequately sized disposable cup.  
Using a mixing stick, thoroughly mix the two components for  $\pm 1$  minute. At this point, the primer is ready for use.

### **Failures:**

Failures due to the non function of the check valve can be solved by disassembling the valve and cleaning the parts. Failure of mechanical parts may result in replacement of the pump as no spare parts are available from Berry Plastics.

**Maintenance:**

For storage, it is recommended to remove the pump from the drum and to clean the unit using a solvent.

**Mixing ratio:**

**S1401 epoxy**

Part A = resin = grey  
 Part B = hardener = amber or clear light brown

- By weight 100 g part A (resin) to 12 g part B (hardener)
- By volume 100 ml part A (resin) to 20 ml part B (hardener)

At 30° C, one full stroke generates 83 g/46ml part A and 10 g/9.2 ml part B.

Spacer length for S1401 pump B = 34.3 mm

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	<p><b>Headquarters</b> Franklin, MA, USA Tel: +1 508 918 1714 US Toll Free: +1 800 248 0149 Fax: +1 508 918 1910 CPG@berrypastics.com</p>	<p><b>Houston, TX, USA</b> Tel: +1 713 676 0085 US Toll Free: +1 888 676 7202 Fax: +1 713 676 0086 CPGH@berrypastics.com</p>	

**Westerlo, Belgium**  
Tel. +32 14 722500  
Fax +32 14 722570  
CPGE@berrypastics.com

**Baroda, India**  
Tel: +91 2667 264721  
Fax: +91 2667 264724  
CPGIN@berrypastics.com