

# SPRAY EQUIPMENT CLEANING & MAINTENANCE

## CHANGE OVER PROCEDURE - WATERBASED TO SOLVENT - BACK TO WATERBASED

Empty paint from pump

Flush through with clean water\*\*

Flush through with appropriate solvent

Fill with solventbased paint

### APPLICATION PROCESS

Empty paint from pump

Flush through with appropriate solvent\*\*

Flush through with warm soapy water

Flush through with clean water

Fill with waterbased paint

## GUN & PUMP CLEANING

\*\*The internals of the gun are cleaned when cleaning the pump. The only part that needs to be removed for cleaning, is the pump and gun filters, and is recommended to be done on every change over.

Any paint leaks on the gun must be attended to immediately. Failure to do so may lead to paint getting into the air chamber.

Any paint residue on the external surfaces of the spray gun should be removed every two to three days using the appropriate TEKNOSOLV.

**At the end of each working day the following schedule should be followed:**

1. Ensure the air supply is off, release liquid pressure and the air cap + tip have been removed and dropped in water
2. Empty unused paint from the pump back to the container via the spray gun
3. Flush through with clean water into a waste container for a 15 to 20 seconds, or until the water starts to run clear
4. Using the dump/recirculation valve on the bottom of the pump filter, allow the pump to circulate water at a steady rate for a minimum of five minutes.
5. Close the dump/recirculation valve and exchange waste water for clean water
6. Using the spray gun, flush clean water through the system to the waste container until you have clear water at the gun
7. Release liquid pressure from the system
8. Remove pump and gun filter, clean and replace - Repeat steps 4-7 NB: If changing pump over from white paint to stain, points three and four may need to be repeated to ensure no product carry over
9. Refit spray tip and air cap assembly and spray water through the tip, then remove and drop back into water
10. Put air through the system to ensure no residual paint is trapped in the air supply. Hanging the gun, so any residual moisture in the gun, runs to the wet end and out
11. Ensure the separating oil reservoir is kept topped up. Failure to do this will result in premature failure of the top piston seals

### CLEARING BLOCKED SPRAY TIPS

If the face of the spray tip is kept clean, blockages will be kept to a minimum.

Clear air cap airways allows optimum performance.

A fine stiff brush should be used. On no account use a wire brush, as this may damage the tip.

If paint accumulates quickly on the face of the tips, it is normally due to an incorrect fluid pressure setting or tip size, or the air cap may be blocked or the gun filter is insufficient or incorrectly balanced to the tip size.

The procedure for clearing tips blocked with dry paint is as follows:

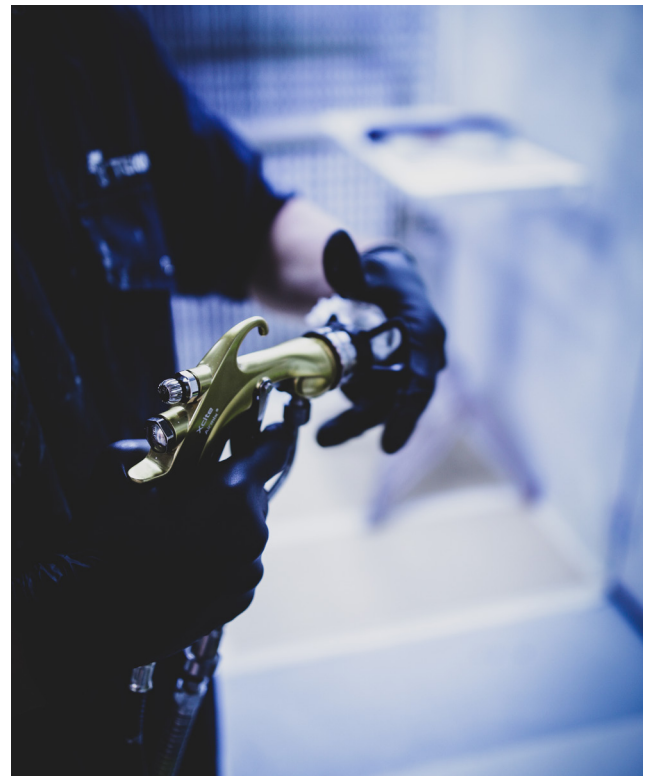
- Soak tips overnight in TEKNOSOLV 7012 or TEKNOCLEAN 1950 cleaning solvent.
- Wash tips in clean water and remove paint from the recess in the back of the tips with a cocktail stick and a paint brush. If necessary, re-soak the tip in TEKNOSOLV 7012 or TEKNOCLEAN 1950.
- For Wagner tips clean the tip thoroughly using a reversible tip cleaning attachment and a tip cleaning brush. Reversibility may be part of the tip/air cap design.
- For other makes of tips use tip cleaning needles or a tip cleaning broach. However, when using this method extreme care must be used as the tip can be easily damaged. Therefore, the needle or broach must only be used from the back of the tip to avoid damage to the fan pattern.
- Tip cleaning needles and reversible tip cleaning attachments are available from spray equipment suppliers.

### GENERAL CLEANING OF FILTERS, TOOLS AND EQUIPMENT

- Any residue of paint can normally be removed with a brush or nylon scouring pad (kitchen type).
- Do not immerse spray guns in cleaning fluid or other liquids as it may damage seal materials.

### CLEANING THE EXTERNAL SURFACES OF SPRAY EQUIPMENT

- Brush TEKNOSOLV 7012 over effected areas
- Leave for 10 - 15 minutes
- Remove softened paint with a hard bristled brush (not wire brush)
- Repeat cleaning procedure as necessary.
- Rinse with clean water



Always refer to the Technical Datasheet for full instructions on how to use Teknos products.

For further support, contact your local Teknos coating expert or visit [teknos.com](https://www.teknos.com)