



ITW Futura Coatings

Equipment Maintenance



SC-PORT

- Daily
- Weekly
- Quarterly / Semi-Annual
- Annual
- Transfer Pumps

Daily

- ☞ Check air supply moisture traps - drain frequently.
- ☞ Check transfer pumps for build-up on shafts.
- ☞ Insure transfer pumps are sealed to drums.
- ☞ On shut down, clean transfer pumps with recommended solvent, and place in holding tube of plasticizer. May also be left in a full drum of material which has been purged with nitrogen.
- ☞ Check and clean all inlet/outlet filters.
- ☞ Check all hoses for kinks and leaks.

Daily

- ☞ Clean wet cups on proportioning pumps and replace with clean ISO pump oil or plasticizer. If seepage is occurring, tighten packing nut (don't over tighten).
- ☞ On "Gusmer H-Series & Marksmen" proportioners check plasticizer or pump lube reservoir for gelling or darkening. Clean and fill when needed.
- ☞ Leave shafts fully in their cylinders upon shut down.

Daily

- ☞ Insure equipment is protected from spills and overspray.
- ☞ Apply a release agent to the spray gun before use.
- ☞ Check and clean hose to gun coupling block after use.
- ☞ Clean spray gun thoroughly after use. Remove and clean screens, check valves, valving rod and tip.
- ☞ Check mixing module/chamber for plugs or wear. Clean. Replace when necessary.

Weekly

- Oil air motors as recommended by manufacturer.
- Inspect hydraulic filters.
- Inspect heated hose assembly for damage to hoses, connections and protective wrap. Replace or rewrap.
- Inspect shaft packing for excessive seepage after tightening the packing nut.
- Check function of all pressure relief valves and controls. Clean and repair any non-functioning units.

Quarterly/ Semi-Annual

- ☞ Check hydraulic fluid level on H-Series units.
- ☞ Check fluid/air gauges for proper calibration.
- ☞ Inspect O-rings/seals in spray gun - replace as needed.
- ☞ Inspect pump shafts and cylinders for wear, damage or dried material. Clean and replace as necessary.
- ☞ Inspect pump and transfer pump packings. These should be replaced every 6 months or before under normal use.

Annual

- ☞ Thoroughly flush the entire system with recommended solvent. Recirculate clean solvent through a filter bag until completely clean.
- ☞ Disassemble proportioning and transfer pumps. Clean, inspect and replace worn or damaged parts and replace packings.
- ☞ Inspect ball seats and ball checks. Replace if damaged.
- ☞ Replace filter screens and seals as needed.

Annual

- ☞ Replace electrical fuses.
- ☞ Rewrap heated hose assembly, replace insulation and check for leaks.
- ☞ Check hydraulic reservoir for sediment. If present drain and replace hydraulic fluid and clean inlet.
- ☞ Check electrical connections.

Transfer Pump Maintenance



USE SEPARATE PAILS,
CLEANING EQUIPMENT
AND SOLVENTS FOR
EACH COMPONENT

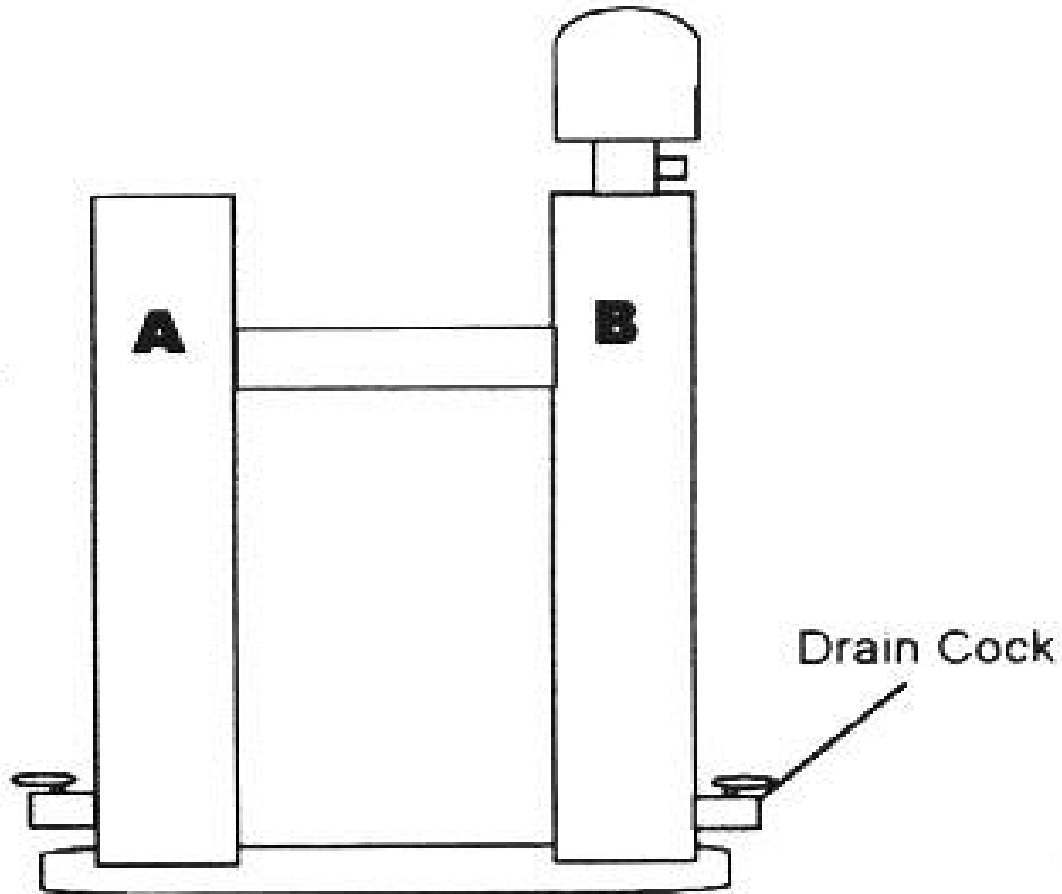
Transfer Pump



Transfer Pump

- ☞ Construct 2 PVC stand tubes 36" tall by 4" diameter with a sealed bottom.
- ☞ Fill 2/3 with plasticizer.
- ☞ Remove air supply from each pump and allow material to drain off of the pump back into the drum.
- ☞ Place into a 5 gallon pail containing xylol and clean all material off of the exterior of the pump and wet cup.

Transfer Pump Storage



Transfer Pump

- ☞ When completely clean place into the plasticizer filled PVC stand tube.
- ☞ Purge each material drum with nitrogen or desiccated air and seal the drum tightly.

★ For the next application

- ☞ Take pump out of stand tube.
- ☞ Carefully remove the plasticizer from the pump and wet cup to avoid contaminating material.
- ☞ Place pumps back into the material drums.

QUESTIONS

