PSI POLYSOURCE
URETHANE FOAMS - ELASTOMERS & COATINGS - PROCESS EQUIPMENT SALES - SERVICE & RENTALS

# Long Term Storage – Sprayfoam & Spray Elastomer Proportioners

1. Don't plan on storing any Polyurethane/Hybrid/Polyurea equipment without first confirming the equipment is capable of running well enough to fully pump liquids through itself – both ISO (A) and RESIN (B) sides – through transfer pumps (if applicable), primary pumps (A&B), block heaters(A&B) and all applicable output hoses (A&B).

2. Don't plan on storing any Polyurethane/Hybrid/Polyurea equipment without having enough Pump Lube (DOP/Dioctyl Phalate) on hand to purge the entire system plus at least one additional flush cycle.
   Note: Hose allowance chart attached below for flush volume reference.

3. For midterm storage (up to 12 months) only the ISO (A) side needs to be purged. In those cases just let the Resin side of the whip hoses return into the RESIN (B) supply drum or pail during the purging and flushing cycles.

4. Depressurize the system and clean all filters.

5. For systems with Prober or P2 guns energize transfer pumps to 100 psi to "lock" them, then pull the transfer pumps out of their current foam or coating, wipe clean and secure in a separate DOP Pail for the ISO (A) (and optional RESIN (B) pail). Start out with pails just half full of DOP and aim carefully into recovery container(s).
   Note: If the RESIN (B) is being saved and recirculated be particularly careful not to contaminate.

6. For Fusion guns (AP or Mechanical style) with traditional GRACO coupling block format, it is difficult to purge & recover chemical safety so pressure must be at zero psi to permit separation of whip hoses from coupling block and then direct hose end securely into disposal/recovery pail(s) or drum(s).

7. With both the Transfer pumps and Proportioner cycling, purge out the original chemical product until DOP is recognized in the output stream or until the stroke counter indicates system must be purged.

8. At this point target only 2-3" total depth of DOP in the respective pail(s) and now recirculate the hose output back into the appropriate transfer pump intake aggressively for 5-6 min for a thorough system scrubbing.
   Note: Recirculation via transfer pumps alone will NOT sufficiently clean packings and check valves!

9. Following this primary dilution, agitation and scrub, pump out the flush DOP until all but empty and then top up the supply pail(s) with fresh DOP.

10. Next purge out the recirculated DOP and any residual chemical until the fresh DOP is seen at output or until stroke indicator says flush is complete.

11. Release all pressure in the system but DON'T drain the system.

12. Clearly Label and seal the Transfer pumps, Proportioner and output Hoses.

13. Dispose of all waste chemical in a responsible manner.

14. Store flushed equipment between 45-75$^{O}$F for a max of 12 months. If unit is NOT used again within 12 months, re-purge/refill the system with fresh DOP for another 12 month storage cycle.