

Technogram 3

This is a series of Industrial Information Sheets relating to Hot Adhesive and Machines associated with applying it.

The following information relates to The Pro Built Melters, The Nordson 2300 & 3000 Series with 14:1 and 21:1 pumps

The Tank Filter Change

Hot Adhesive Systems are equipped with a Tank Filter. The filter prevents contaminants and char from entering the hoses or the extrusion guns.

The Tank Filter MUST be changed on a regular basis.

A contaminated Tank Filter will cause in-line filter blockages, poor adhesive flow, blocked nozzles and production loss.

The correct procedure to change a Tank Filter is as follows:

1. WEAR safety gloves, safety eye wear, clothing covering exposed skin & safety footwear.
2. Ensure melter is at operating temperature.
3. REDUCE pump air pressure to "0 PSI".
4. OPEN drain valve over a suitable container. Unscrew in a counter clockwise direction.
5. INCREASE pump air pressure until a steady flow of a hot material flows from drain valve.
6. REDUCE pump air pressure to "0 PSI", LEAVE DRAIN VALVE OPEN. LOCK OUT AIR SUPPLY
7. UNSCREW the tank filter assembly (Part # B100-275) using a 1/2in Spanner and remove from manifold.
8. REMOVE filter-screen (Part # B100-096) by loosening screw (Part # A100-248) at the end of the filter.
9. CLEAN filter core (Part # B100-117), replace O-ring (Part # 6612) and lubricate. Fit new filter screen with filter attaching screw.
10. ENSURE the melter is at operating temperature
11. INSERT the Tank filter assembly into manifold using an inch pound wrench set at 100 inch pound, DO NOT OVERTIGHTEN.
12. After the Tank Filter Exchange is complete, with the drain valve open increase the pump air pressure and drain a small amount of adhesive.
13. Remove air pressure from pump and close drain valve.



14. Slowly INCREASE pump air pressure until operating pressure is reached. CHECK for leaks.

Replacement Tank Filter Assembly Part Number to suit both the Nordson 2300 & 3000 Series and The Pro Built are as follows:

| Part No. | Description |
|----------|-------------------------------|
| B100-275 | TANK FILTER ASSEMBLY COMPLETE |
| B100-096 | FILTER SCREEN |
| A100-248 | FILTER SCREW |
| B100-117 | FILTER CORE |
| B100-112 | FILTER BUNG |
| 6122 | O-RING |



TANK FILTER DRAIN VALVE

