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1. START-UP: PREDATOR START-UP PROCEDURE

- A. Check generator oil and fuel.
- B. Check compressor oil and air filter. Bleed off moisture in the tank through the valve on the side of the tank. Also drain the water separator on the air-inlet side of the machine. Leave valve on separator slightly open to allow accumulated water to bleed off.
- C. Put on safety glasses.
- D. Start generator and compressor.



- Max Amperage Rating Tag
- Main Power Switch
- Hose Heat Breaker

• Hose Heat Adjustment

• Pre-heater Breaker

- E. Turn on main breakers (red & yellow rotary switch on left side of power box). Turn on "Heat" & "Hose Breaker." Adjust dial to max amperage (three amps for 50', seven amps for longer lengths) prescribed for hose length used, during preheat. Also check the pump lube container or cup for contamination and replace if necessary.

Insert thermometer on hose. Once the hose heater has reached the desired operating temperature, adjust dial to maintain proper hose heat. Remember a hose thermometer reads 20 degrees low. Now you can proceed with the pumping operation procedure.

2. PUMPING PROCEDURE:

• Air Regulator

- A. Turn on air-transfer pumps located in drums.
- B. Adjust "Air Regulator" to proper pressure (80 psi full spray - 60 psi beads) to start machine.

* Note: The temperatures and pressures are "starting points".



WHILE PUMPING:

- A. Line pressure should not vary by more than 500 psi between Parts "A" and "B." The gauges to check this are on the front of the machine at the heated-spray hose outlets.
- B. Attach air to gun and check for consistent and sufficient purge air.
- C. Turn off safety and check for proper operation of gun. Re-set safety.
- D. Open one material supply valve while watching the purge air steam for a mist. Close valve. Repeat with other side. If mist is present, stop immediately and repair internal leak. If no mist is present, do a three-second test-spray off target. Note color of material and gauge readings. Color should be slightly off-white and gauges should be within 500 psi of each other.
- E. When the technician stops spraying, Part "A" will rise on psi. This is OK. If spray is stopped momentarily, set safety, close material valves and hang gun so spray tip is pointing down.
- F. If line pressures are more than 500 psi apart, stop spraying immediately and fix problem. Check for symptoms and proper procedure at the end of this manual. If the problem still continues, probable cause could be the material is too cold (barrels should be approximately 70 degrees for proper application).

PREDATOR SHUT-DOWN PROCEDURE

3. SHUT-DOWN:

- A. Turn off both Heater breakers, turn Hose Heat Regulator to “0” and turn off main power switch.
- B. Turn air regulator down to 0 psi.
- C. Open the valves at the gun, release safety and pull trigger to lower pressure on machine to between 300 to 400 psi. Close the gun valves. Do not overtighten. Engage safety, grease the Fusion Gun according to the following instructions.
 - Leave air on and gun detriggered.
 - Remove grease-fitting cap. Using grease gun, dispense grease into fitting until grease-mist sprays from mixing chamber nozzle (no more than three pumps). Do not over-grease. Unplug air at the gun.
 - Do not spray grease-mist on sprayed, completed roofing system.
 - Replace grease cap.
 - Hang gun facing downward.



- D. Retract the machine by disconnecting the lower cylinder hose and turn up air regulator slowly to cause the piston to go all the way down. You will hear a large release of air when piston has reached the bottom of its stroke. Once piston is down, turn air regulator back to “0.”



Lower Cylinder Air Hose

Piston in lower position



- E. Turn off compressor.
- F. Remove “Spatter Tip” assembly from the “Air Cap” and clean thoroughly. Using proper size drill bit, run through the holes in the nozzle and spray tip. Thoroughly grease all parts inside and out and reinstall on “Air Cap.”
- G. Check “Air Cap” to assure it is properly tightened. The procedure is to hand tighten and then ¼ turn with a wrench.

Carlisle SynTec Systems contacts:

Kris Costas - 717-609-9440

Paul Markel - 877-663-2451

Dre Didriksen- 541-653-7815

Equipment contacts:

Graco Gusmer - 800-367-4767

Foam Pak, Inc. - 888-458-2928