

Foam Marker Operation & Maintenance

OPERATION

Operation

1. Place a known volume of water in foamer tank. Measure out the required amount of foam concentrate and optional water softener and add to the tank. It may be necessary to stir the tank to get the solution mixed. Normally the solution will be adequately mixed after transport to the field.

2. Check the strainer located on the bottom of the foamer assembly, making sure it is tight. Open tank shut off valve, also located on the bottom of foamer assembly.

3. At the cab control, move the toggle switch from the "off" position to the "left" position. Rotate the pressure control knob fully clockwise until pressure is indicated on the pressure gauge. Turn knob counter clockwise until pressure is stable at 45-50 psi. It may be necessary to bleed air at the gauge.

4. Verify that the foamer is making foam and it is flowing out of the left boom drop. Move the toggle switch to the "right" position. Verify that the foam switches to the right boom. If the foam direction is backwards, reverse the hoses at the foamer.

5. By rotating the pressure adjusting knob on the cab control, the operating pressure and foam density can be changed. The higher the pressure the "wetter" and runnier the foam will be. The lower the pressure, the "drier" and lighter the foam will be. The mix ratio and water quality will significantly affect the pressure setting. Experiment with various pressures and mixtures to find the one that is best for your conditions. Normal operating pressures are 35-55 psi.



Shut-off Valve

Tank Strainer



MAINTENANCE

Air Cleaner

The air cleaner, located on the top of the foamer box needs to be cleaned weekly. In extremely dusty conditions, it should be cleaned more frequently.

To clean the air filter:

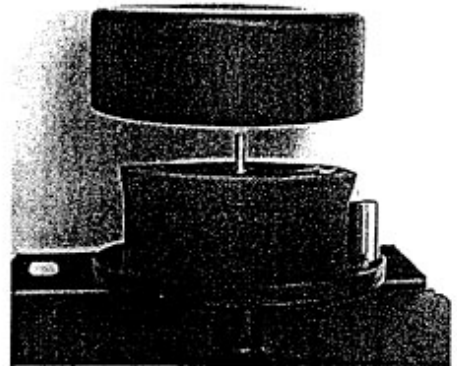
Remove the wing nut on top of the air filter and remove the cover.

Remove the filter element and clean using warm water with a mild detergent. Do not use compressed air which can damage air filter element.

Rinse thoroughly and dry.

Replace filter and cover.

Replace wing nut and tighten.



Liquid Strainer

The liquid strainer, located on the bottom of the foamer box, needs to be cleaned weekly. If water contains high amount of sediment and sand, it should be cleaned more frequently.

To clean the liquid strainer:

Turn "off" the tank shut-off valve located between the strainer and the liquid tank.

Remove the strainer bowl, you should be able to unscrew by hand. Be careful not to lose the gasket.

Remove the strainer screen.

Wash the screen with clean water, if necessary a mild detergent can be used. Rinse thoroughly.

Replace screen in strainer bowl.

Replace the strainer bowl and tighten by hand.

Turn "on" the tank shut off valve.

