



Please read all instructions before installing and operating your unit.

INSTALLATION

Location

When determining where to locate the unit, consider the following requirements: air supply; 24 vac electrical connection from either a rotary selector with in a coin operated system or from a enclosure with toggle switch in non coin operated system; water supply for dilution of the foaming soap; tubing to run from the unit to the wash bay.

Mounting

The unit has four mounting holes, two on the top eyelet bracket, and two on the bottom hinged bracket. Use fasteners suitable for the material that the unit is being mounted to and for 0.28 inch diameter holes. The holes are spaced 10.5" inches apart side to side. The vertical spacing between the two holes on the eyelet bracket and the two holes on the hinged bracket is 11.5".

Connections

The air supply inlet is supplied with a quick coupler fitting. You may wish to disconnect the quick coupler socket portion in order to install it on your air supply hose.

For coin operated installations the connections to the 24 volt AC outlet solenoid are typically

from the rotary selector switch foam brush connection and common. Refer to the wiring diagram for you coin operated system for details on this connection. For non coin operated installations a manual toggle switch mounted in an enclosure with transformer is typically used.

The foam solution inlet line is placed in the foaming soap solution which is typically diluted from a foam soap concentrate. The FBPA1-MIX assembly includes a reservoir that the foam solution inlet line is placed. The FBPA1-MIX includes a MM100 MagikMinder that automatically dilutes the concentrated foam soap at a fixed ratio and maintains this level in its reservoir.

Poly tubing (not included) is used to connect the outlet to bay of the foam unit to the foam generator in the wash bay. To install cut the tube square and remove burrs and sharp edges. Ensure the outside diameter is free of score marks. Push the tube into the fitting, to the tube stop. Pull on the tube to check it is secure. Test the system before use. To disconnect, ensure the system is depressurized, push the collet square against the fitting. With the collet held in this position the tube can be removed.

SETUP

Pump & Outlet Air Pressure

How to adjust Pump Air Regulator and Outlet Air Regulator

Use a detergent that is designed for foam brush system. Detergents not designed for foam brush systems will likely not produce the desired results.

To adjust the Pump or Outlet air pressure requires using the Pump air regulator and Outlet air regulator. To change the setting of either of these regulators you MUST first pull out slightly

on the knob so that it is not in it's fully depressed lock position.

Turn on the foam system by energizing the Outlet Solenoid. Use the Pump Air Regulator to set the Pump Air Pressure to 40 psi. Next use the Outlet Air Regulator to adjust the Outlet Air Pressure until the foam produced at the foam brush is satisfactory - not too wet and not too dry.

As a guide, start the Outlet Air Pressure at about 30 psi, however this may vary due to dif-

ferences in the length of tubing to the foam brush or the soap mixture in the supply tank as these will affect how much air you need to inject.

Once you have some foam, the air adjustment needs be done in small increments of 1/4 turn. Too large of an adjustment could result in going from some foam to no foam and only air.

Once the foam at the foam brush is satisfactory, the pump should only cycle about once per 1 or 2 seconds for a single bay.

FBPA2 two bay bay foam system has the same setup except the pump will operate faster when both bays are in use.