

#### MOUNT UNIT:

Foamate 1.0 unit may be panel mounted or bracket mounted.

- ▶ For panel mount; remove knob, faceplate, wheel and faceplate carrier to remove brass washer as noted above. Match-mark the wheel holes for reassembly. After cutting hole in panel as shown in diagram, insert the Foamate body from behind the panel, with the panel replacing the brass washer (panel thickness must be 1/8") and reassemble components outside the panel in reverse order as disassembled above.
- ▶ For bracket mount use the (4) 1/4"-20 tapped holes on the back of the Foamate body to connect a simple bracket that locates the unit in a convenient location, using diagram shown.

#### PLUMB UNIT:

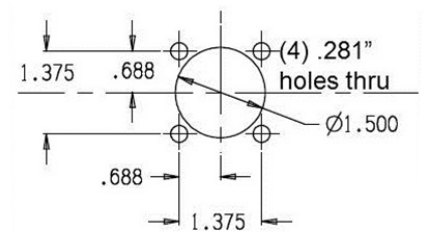
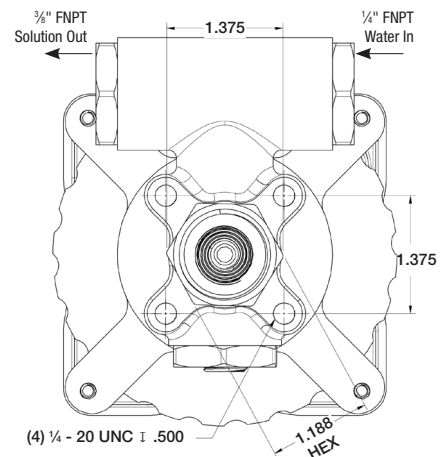
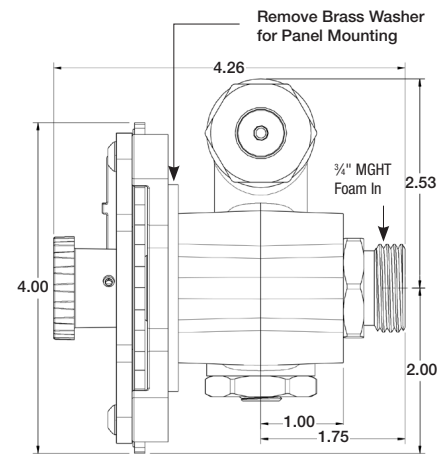
The Foamate 1.0 is supplied with (2) 3/4" F NPT strainers.

- ▶ Tee a line of at least 1/4" ID from the discharge of the pump to the water strainer and from the strainer to "water-in" connection on the Foamate as shown. Note a 1/2" ball valve can be plumbed to the strainer for easy flushing.
- ▶ Connect another line at least 3/8" ID from the "solution-out" back to the pump suction as shown. If the line length exceeds 5', use 1/2" ID line to reduce back pressure.
- ▶ Finally, connect a line at least 3/4" ID from the foam source to the foam strainer, and from the strainer to the "foam-in" 3/4" GHT connection on the back of the Foamate.

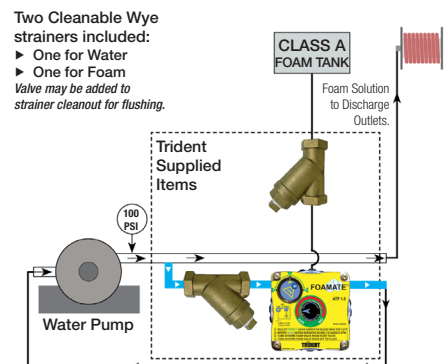
#### OPERATE UNIT:

The Foamate 1.0 is designed to be very user friendly, and the operating instructions are printed right on the control head.

- ▶ Start by selecting the Class A Foam percentage desired, 0.25, 0.50, or 1.0%. This is accomplished by rotating the black rimmed window in the upper left corner until the arrow head (just to the left of the CIRCULAR window) points to the desired foam percentage.
- ▶ Then rotate the outer wheel to match the total nozzle Flow GPM. This will match the nozzle flow rating at 100 PSIG [6.9 BAR]. The flow GPM is read inside the circular window on the upper left corner Foam percent selector mentioned above.
- ▶ Run the pump up to a discharge pressure of 100 PSIG [6.9 BAR], this will provide for optimum foam proportioning accuracy.
- ▶ Open the center knob by turning to the right (clockwise) to ON to begin foam injection.
- ▶ When foam is not desired, turn the center knob to the left (counter-clockwise) to OFF. This will also allow for constant flushing.
- ▶ Clean water and foam Wye-strainers as required. This is done by removing the 1/2" NPT plug and cleaning-out strainer element, or by opening the 1/2" valve (if provided) on the water strainer.



PANEL or BRACKET CUTOUT DIAGRAM



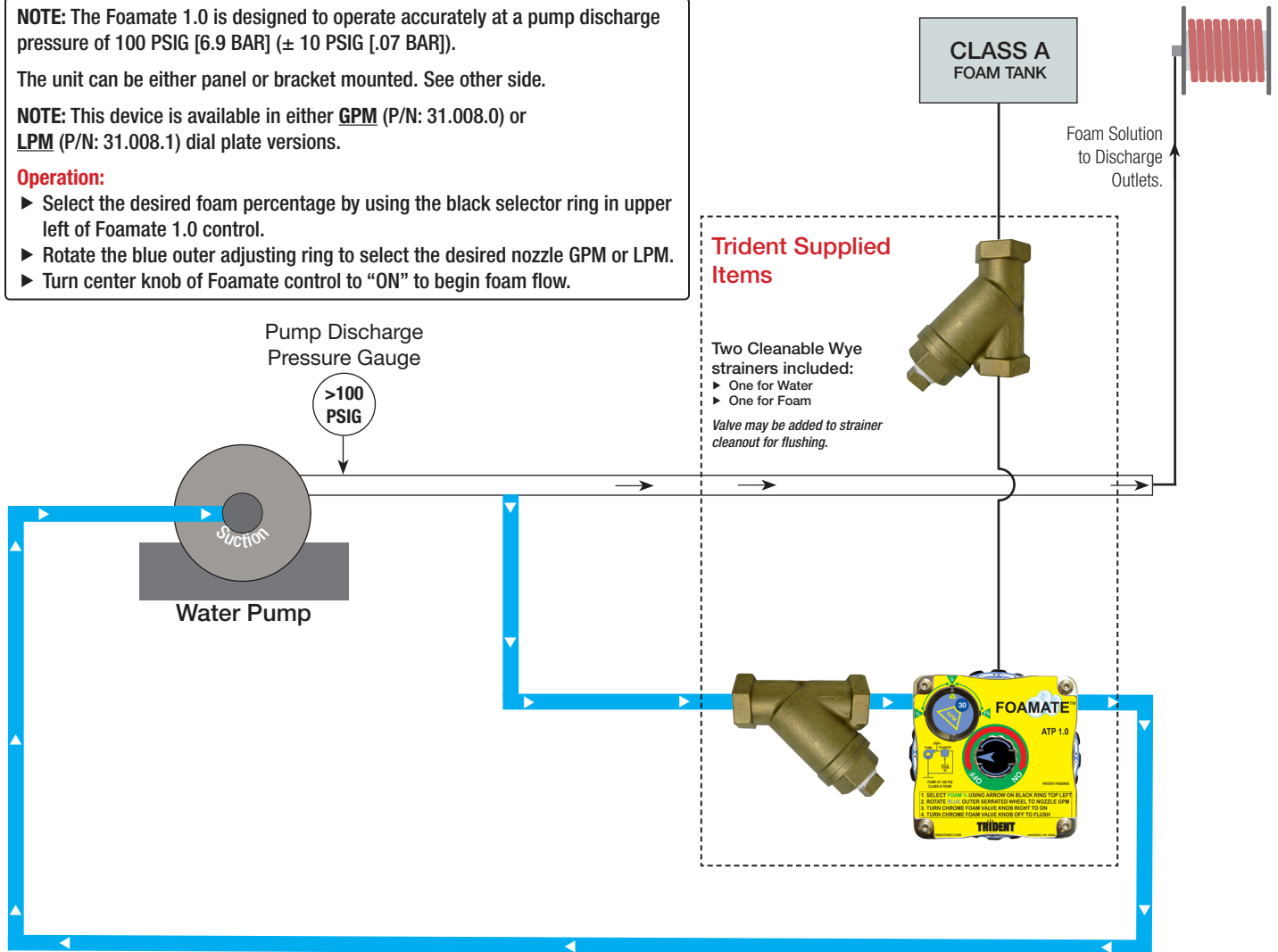
**NOTE:** The Foamate 1.0 is designed to operate accurately at a pump discharge pressure of 100 PSIG [6.9 BAR] ( $\pm 10$  PSIG [.07 BAR]).

The unit can be either panel or bracket mounted. See other side.

**NOTE:** This device is available in either **GPM** (P/N: 31.008.0) or **LPM** (P/N: 31.008.1) dial plate versions.

**Operation:**

- ▶ Select the desired foam percentage by using the black selector ring in upper left of Foamate 1.0 control.
- ▶ Rotate the blue outer adjusting ring to select the desired nozzle GPM or LPM.
- ▶ Turn center knob of Foamate control to "ON" to begin foam flow.



**Foamate 1.0 Modification for High Pressure Operation**

**NOTE:** The Foamate 1.0 is designed to operate accurately at a pump discharge pressure of 100 PSIG ( $\pm 10$  PSIG).

The Foamate 1.0 plumbing can be modified to operate at higher pump pressures by adding a 1/4" valve (pressure reducing) and a pressure gauge in the piping before the Foamate inlet as shown in the green highlighted area at right.

