



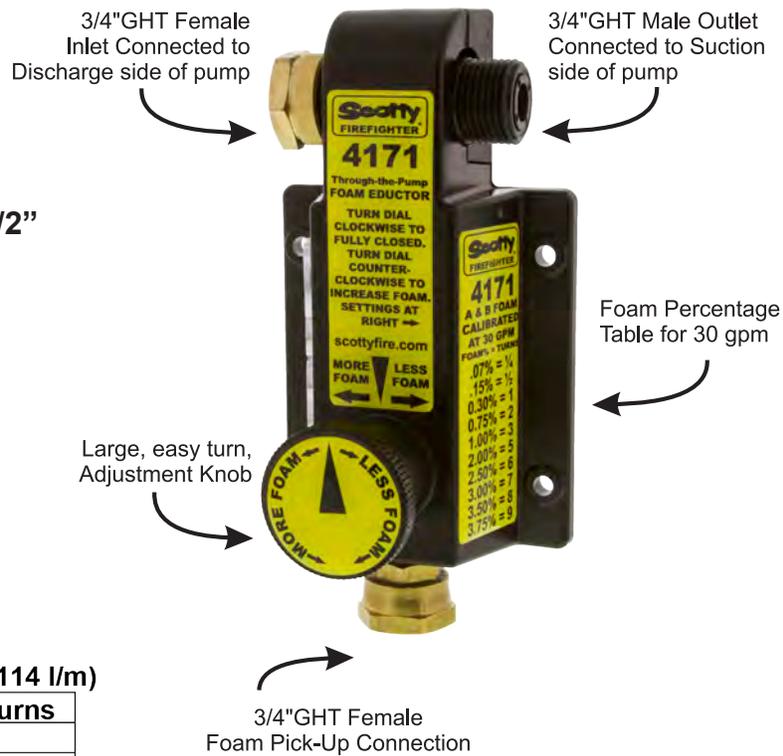
“The Way To Make Foam”

4171 “Through-the-Pump” Eductor/Mixer

The new Scotty 4171 “Through-the-Pump” Eductor/Mixer is used for educting foam concentrate into the hose lines of fire pumps. The unit is calibrated to educt foam concentrate at a variable percentage into flows from 15 up to 100 gpm at 100 psi. The maximum operating pressure for the 4171 is 300 psi.

The unit comes with a pressure connecting hose and a 4 foot long foam pick-up hose, with filter. The 4171KIT comes with both hoses and one, 1-1/2” Cast Aluminum Connecting Tee and one, 2” Cast Aluminum Connecting Tee.

The picture at right illustrates the connections and the adjustment knob. By following the instructions on the table on the side of the Eductor/Mixer, the user can easily adjust the unit to desired concentrations of foam.



Scotty 4020 (15gpm/57 l/m)

Foam %	Dial Turns
0.15	1/4
0.30	1/2
0.75	1
1.0	2
2.0	4
3.0	5

Scotty 4025 (30gpm/114 l/m)

Foam %	Dial Turns
0.15	1/2
0.30	1
0.75	2
1.0	3
2.0	5
3.0	7

Scotty 4030 (50gpm/189 l/m)

Foam %	Dial Turns
0.25	3/4
0.50	1 1/2
0.75	3
1.0	4 1/2
2.0	7
3.0	8 1/2

Scotty 4033 (70gpm/265 l/m)

Foam %	Dial Turns
0.25	1
0.50	2
0.75	4
1.0	5 1/2
2.0	8
3.0	9 1/2



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Installing the 4171 Foam Eductor/Mixer:

1. Connect the 4171 to a tee connector on the discharge, outlet side of the pump by the unit's female, brass hexagon, $\frac{3}{4}$ " GHT connector.
2. Connect one end of the 18-inch pressure hose to the $\frac{3}{4}$ " GHT male discharge side of the 4171 unit. Connect the other end of the hose to a tee on the suction side of the pump.
3. Connect the foam pick-up hose to the $\frac{3}{4}$ " GHT female connector on the bottom of the Eductor/Mixer.
4. Start pump and flow water. Control foam education by opening the Foam Control Knob Eductor/Mixer to desired foam percentage.

(See percentage education guide label on side of unit).

Graphic at right shows the 4171 installed on a portable fire pump. It is connected between the 2" water suction inlet tee and the 1-1/2" water discharge outlet tee with the Pressure Hose between the Eductor/Mixer and the Inlet.

