

GENERAL FIRE



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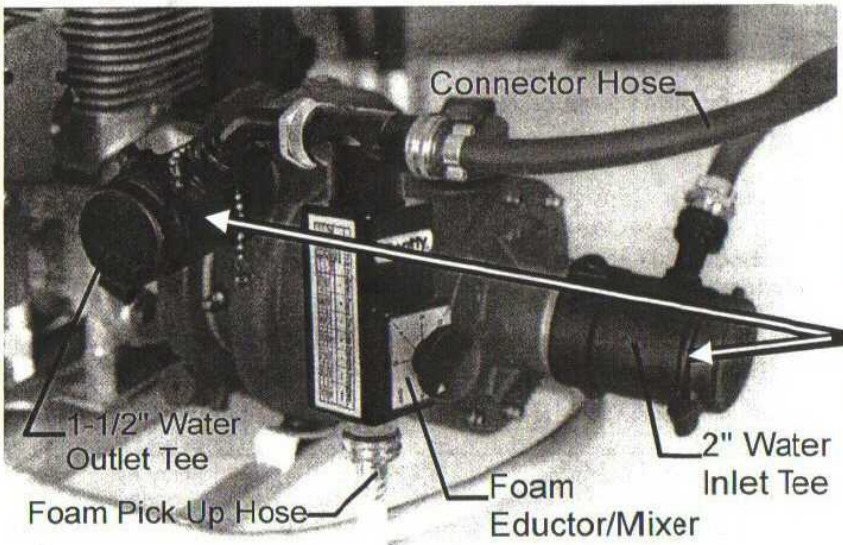
4071 "Around-the-Pump" FOAM EDUCTOR/MIXER

The Scotty 4071 "Around-the Pump" Eductor/Mixer is a device for educting a foam concentrate solution into hose lines of portable fire pumps, used in combating Forest and Urban/Wildland fires. Calibrated to educt foam concentrate at a variable percentage into hose lines flowing 15, 30, 50 and 70 gpm. The 4071 comes with a pressure connecting hose and a 4 foot long foam pick-up hose. The 4071KIT 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 locations of 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.

Installing the 4071 Foam Inductor/Mixer

1. Connect the 4071 to a Swivel TEE connector on the discharge side of the pump by the unit's female brass hexagon GHT connector.
2. Connect one end of the 18-inch pressure hose to the male GHT discharge side of the 4071 unit. Connect the other end of the hose to a Swivel TEE on the suction side of the pump.



3. Connect the foam pick-up hose to the GHT connector on the bottom of the Inductor/Mixer.
4. Start pump and water flow. Control foam induction by opening the Foam Control Knob Inductor/Mixer to desired foam percentage. (See percentage induction guide label on side of unit).

The picture at left shows the 4071 in use on a portable fire pump. It is connected between the 1-1/2" Water Outlet Tee and the 2" Water Inlet Tee with the Connector (Pressure) Hose between the Eductor and the Inlet.

**Cast Aluminum Connecting Tees
are included with the 4071KIT**

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4071 "Around-the-Pump" FOAM EDUCTOR/MIXER

Scotty 4071 Around-the-Pump Foam Proportioner
 Foam Control Settings for use with various Nozzles

Scotty 4025 (30gpm)

Turns	Foam %	Pressure
2	0.34	109 psi or 750kps
5	0.85	109 psi or 750kps
7	1.70	109 psi or 750kps

Scotty 4033 (70gpm)

Turns	Foam %	Pressure
3	0.34	109 psi or 750kps
6	0.85	109 psi or 750kps
9 ¼	1.70	109 psi or 750kps

Flameco 95 (95gpm)

Turns	Foam %	Pressure
4	0.34	102 psi or 700 kps
7	0.85	102 psi or 700 kps
9 ¼	1.19	102 psi or 700 kps

Fyrex FA25 @ 45° Fog Pattern

Turns	Foam %	Pressure
5	0.34	99 psi or 680kps
9 ¼	0.85	99 psi or 680kps
		99 psi or 680kps

Elkhart SF @ 125gpm

Turns	Foam %	Pressure
5	0.34	102 psi or 700 kps
9 ¼	1.02	102 psi or 700 kps

Elkhart SF @ 250gpm

Turns	Foam %	Pressure
9 3/4	0.34	70 psi or 480 kps

Scotty 4030 (50gpm)

Turns	Foam %	Pressure
2	0.34	106 psi or 730kps
5	0.85	106 psi or 730kps
7	1.70	106 psi or 730kps

Elkhart LB275GA (114gpm)

Turns	Foam %	Pressure
5	0.34	102 psi or 700 kps
9 ¼	0.85	102 psi or 700 kps
		102 psi or 700 kps

Fyrex FA25 Straight Stream

Turns	Foam %	Pressure
4	0.34	104 psi or 720 kps
7	0.85	104 psi or 720 kps
9 3/4	1.19	104 psi or 720 kps

Elkhart SF @ 175gpm

Turns	Foam %	Pressure
7	0.34	90 psi or 620 kps
9 ¼	0.68	90 psi or 620 kps

25mm Smooth Bore Nozzle

Turns	Foam %	Pressure
9 3/4	0.34	58 psi or 400 kps

