

Snuffer 9000 series Retrofit C.A.F. systems

Snuffer 9000 series Retrofit C.A.F. systems can be either hydraulic or mechanical drive.

The Snuffer 9000 series retrofits are designed for existing Pumper and Tanker trucks. These systems are available in three sizes 140, 240 and 425 cfm.

What sets this series apart is;

The patented OneTouch™ foam control system.

On a pumper truck, all the operator has to do is;

1. Engage the pump
2. Engage the truck PTO (turns on the air compressor)
3. Set the water pump to 130 psi

Then you are ready to make C.A.F.S. foam.

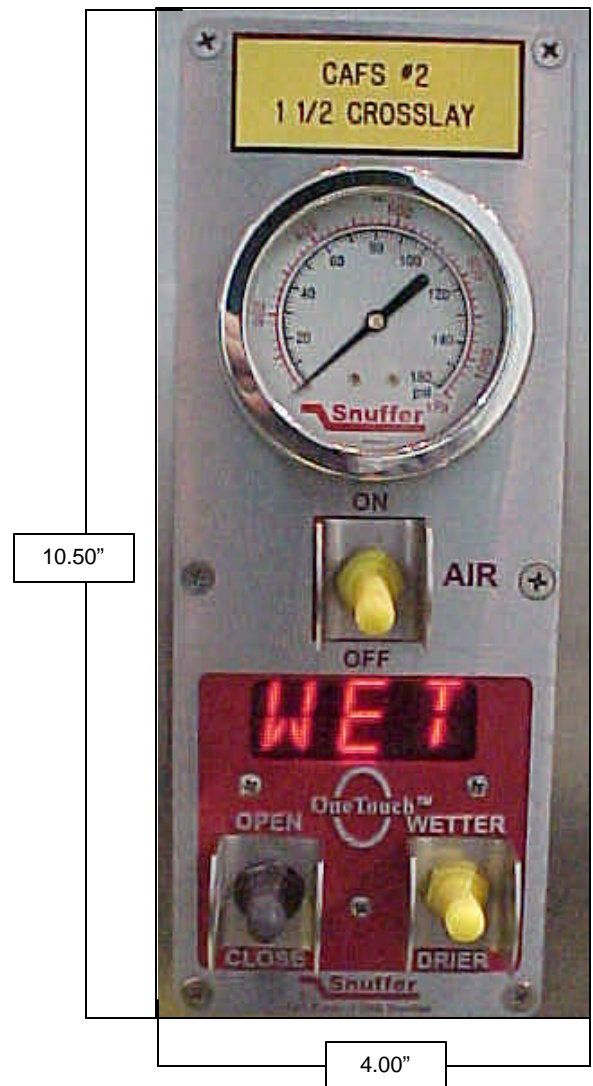
With the **OneTouch™** all the operator has to do is decide the type of foam by selecting dry, wet, or extra wet setting. From this the 5 types of foam can be made (extra dry, dry, medium, wet, and extra wet).

Why is this important?

- 1.) **Consistency** - Knowing that every time the fireman opens the valve he knows exactly which type of foam he is producing. Think about a hose lay that is 600 feet out and the firefighter is out of sight of the pump operator. In many systems out there, it is very difficult to determine the right foam type for the job. The operator knows when he selects the foam density that that is what is going to come out of the end of the line. There is **NO GUESS WORK!!!!**
- 2.) **Safety** - The operator knows that the foam down the line will be consistent with the one touch control settings and therefore there is less chance of operator error. It is very difficult for the operator to set the right type of foam when he is looking at the foam coming out the end of the line to gage how much water is mixed with the air. At night the difficulty is that much greater. There are two problems
 - **Too dry** – the foam does not have enough water in the bubble structure to knock the fire down.
 - **Too wet** – an extra wet foam solution may not have a good enough bubble structure to resist heat and the stream evaporates before it reaches the burning surface.

Either way the firefighter is at much greater risk.

- 3.) **Training** – It takes much less time to train the operators to know how to run a Snuffer CAF system because they have very few steps and adjustments to make. The fewer steps the fireman has to remember, the less mistakes that are going to be made under the pressure of a fire situation.



- 4.) **Retro fitting**- retrofitting a Snuffer CAFS to a fire department's pumper is made easier by not having to rework valve linkages. You place the **OneTouch™** Plumbing assembly where you need it (see below) and then install the **OneTouch™** panel (see Picture on first page) in the pump panel and connect the electrical line to it.



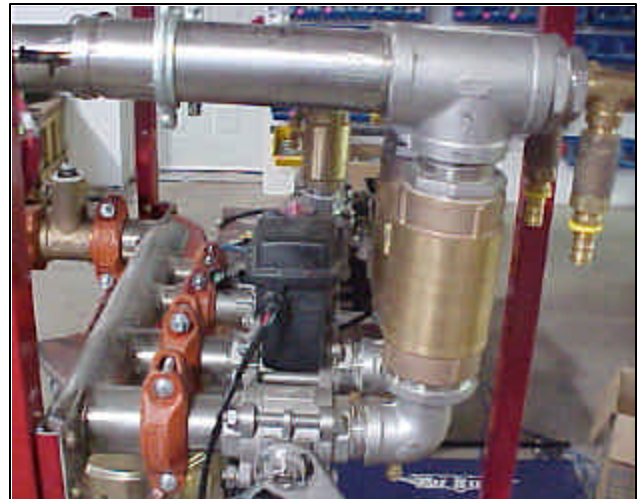
**2 1/2" OneTouch™ Plumbing
(Stainless Steel Assembly with
Akron Brass Valve)**



**1 1/2" OneTouch™ Plumbing
(Stainless Steel Assembly with
Stainless Steel Valve)**

Our Plug and Play Manifold allows you to install several outlets to the foam manifold without having to make up different plumbing. Simply add victualic couplings to the manifold and attach either 1.50" or 2.50" outlets. Custom manifolds are available to simplify installation.

- 5.) **Hydraulic Drive Unit** - A Snuffer hydraulic drive retrofit unit or add on system may be used in conjunction with an engine driven governor. Snuffer uses a pressure flow compensating hydraulic circuit which allows the compressor to operate at peak efficiency over a wide range of engine RPMs. This is particularly useful for trucks with electronic pressure controls. With a mechanical drive system you are limited to a small range in rpm to allow the CAFS to work properly. With the mechanical drive you can only use a manual relief on the truck, which requires more training.



Installing **OneTouch™** gives the fire department flexibility and ease of mind that the CAF system will give the type of foam required with a simple flick of the switch.

