



# CAFSAttack™ Specifications

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## DETAILED SPECIFICATIONS

### SPECIAL NOTE:

When preparing the specifications assure the use of a Hale CAFS System by incorporating these specifications as written. No competitive product can match Hale's construction or performance.

The apparatus will be equipped with a Class 1 CAFS Attack compressed air foam system. The system will be of the stored energy type and incorporate (2) 440 cubic feet DOT 4,500-psi compressed air cylinders. The CAFS Attack system will be capable of producing up to 200 SCFM of air to treat up to an air to foam solution ratio of 200 gpm @ 1 SCFM/gal. The system shall include and incorporate a FoamLogix 2.1-A electronic direct-injection foam proportioning system.

The system shall incorporate two programmable Class 1 smart-switch panels, one for each of the two CAFS capable discharges.

Each smart-switch panel shall have two push button controllers. One push-button controller shall be a discharge valve "open and closed" operator, and also provide modulation of the valve to varying positions to "increase" or "decrease" flow.

The second push-button control shall be pre-programmed for the operator to set the discharge valve in two positions for either "wet" or "dry" compressed air foam operation. Additionally, when the pump operator touches this switch, the FoamLogix foam proportioner will automatically activate and come on line, along with automatically opening the appropriate air discharge valve for the specific foam solution discharge.

The system shall be programmed as follows: when "Wet" or "Dry" is activated — the FoamLogix proportioner becomes activated and air starts flowing provided foam and water is also flowing. If water stops flowing into the CAFS capable discharge, the system automatically closes an air valve and air injection stops until water flow is restored to prevent "air-only" or "air and water only" discharge from hose lines.

Two (2) smart-switch controlled 2" multi-purpose water-foam-CAFS stainless discharge valves will be provided.

Compressed air for the system will be provided by two air cylinders that will provide enough air for the treatment of (1) 800 gallon tank of water at a 0.5-cfm to 1-gpm air/foam solution ratio.



A manual high pressure shut-off valve will control air flow to the system. An air inlet connection for recharge of high pressure air, 4,500-psi maximum, to the air cylinders will be provided next to the manual shut-off valve. An electronic four-light air level gauge will be provided to monitor the air cylinder pressure, located at the system pump panel control. The CAFS Attack control panel shall have a master "Air Enable" switch, to allow shutting off the air on the low-pressure side, using the air shut-off valves after the system air regulator.

The CAFS Attack system shall be installed on either a new, or in a retrofit application, on a fire pump having the minimum discharge capacity of 300-gpm at 110-psi available to allocate to the (2) CAFS Attack discharge valves.

Each CAFS Attack system comes with:

- (2) 440 cubic feet DOT compressed air cylinders
- (2) Class 1 smart-switch controllers
- (1) 200-cfm air regulator
- (1) Operator panel that includes:
  - Manual high-pressure air shut-off valve
  - 4-light air tank pressure gauge
  - "On/Off" air enable switch
  - Quick connect high pressure air refill connection
- (1) Safety relief valve
- (2) Hale SVS discharge valve assemblies with integral check valve, flow sensor, mixing chamber and electric valve operator
- (2) Electric valves to control air flow