

# Just-In Case Fire Ltd.

## FIRE CADDY TRAINING

The Fire Caddy is a portable, water-based foam firefighting system.

### INITIAL OPERATION

- Ensure oil reservoir is full. FireCaddy operates on 10W-30 oil.
- FireCaddy is equipped with a “Low Oil” & “Off-Level” shut-down feature.
- Fill with fuel.

### STARTING FIRECADDY

- Turn “Engine Run” switch to “ON” position. (red knob right side under fuel tank)
- Turn choke “ON”
- Ensure fuel is “ON”
- Pull starter rope
- Once running, slowly turn choke off
- Increase throttle to full.

### SHUTTING DOWN FIRECADDY

- Throttle to idle speed
- Turn “Engine Run” knob to “OFF” position. Once engine stops turn “Engine Run” switch back to “ON” position.

*It is recommended to leave it in the “ON” position when not in use.*

### FOAM INFORMATION

- FireCaddy is designed for use on Class “A” and Class “B” fires.
- Identify fuel to be extinguished
  - Class “A” fires (normal combustibles) set foam on “A” (1% - 3%)
  - Class “B” fires (flammable liquids) set foam on “B” (4% - 6%)
- Selection of percentage foam is made by turning “EDUCTOR KNOB” (black knob on Control Panel)
- Foam education line runs through the centre of cap on FlameOut container and screws into place
- FlameOut is biodegradable and non-corrosive

### FLOWING WATER

- Ensure adequate water supply
- Start engine
- ¾” high-pressure hose is default hose and will be pressurized to the nozzle valve automatically
- If fire is within 75’ choose appropriate foam setting, pull off a covering amount of hose and prepare to attack fire.
- If fire is more than 75’ away or if you desire the 1” cotton jacket hose, ensure that hose is attached to brass fitting on top of pump assembly, lay out hose avoiding kinks, ensure that nozzle valve is in “Closed” position, open valve at top of pump assembly, choose appropriate foam setting, throttle up and prepare to attack fire.

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- Check flow of water and supply of foam by opening nozzle valve and flowing water. Foam should be evident. **Keep aspirator holes in nozzle free of obstructions.** Air flow to nozzle is required for proper foam production.
- Approach fire from windward side and begin fighting fire from a safe distance.
- When fire is extinguished, monitor fuel source for hot spots or possible re-ignition.

## CHANGING FOAM SUPPLY

- When foam supply is empty simply turn “Eductor Knob” to “OFF” position. It is possible to continue fighting the fire with water only while foam container is being replaced.
- Remove handle which secures foam container.
- Unscrew foam eductor line from container cap.
- Remove empty container from cradle
- Replace with new full container
- Replace cap
- Knock out centre of lid and thread in eductor line
- Reset eductor knob to desired foam setting

## **NOTE**

If the nozzle valve is closed while the system continues to run, foam will continue to be drawn from the container into the system causing the foam to be very highly concentrated when nozzle is re-opened. This will not hurt the unit but will use up foam unnecessarily. When shutting the nozzle down for an extended period of time, shut off eductor knob and idle system down. Throttle up and adjust eductor knob appropriately when ready to resume firefighting activity.

## SHUTTING SYSTEM DOWN

- When fire is completely extinguished follow the “Shutting FireCaddy Down” procedure.
- Shut off water supply and remove hose from pump inlet.
- Turn FlameOut Eductor Knob to “OFF” position
- Disconnect the water “FILL” hose line from the FireCaddy.
- Disconnect the 1” cotton jacket discharge line but leave discharge valve (on top of pump assembly) in the “OPEN” position.
- Drain 1” cotton jacket discharge line and hang to dry.
- Open the ¾” nozzle valve and drain hose line.

## RETURNING FIRECADDY TO SERVICE

- Drain pump by opening flapper valve in pump inlet, being careful to avoid damaging valve.
- Tip the FireCaddy to void the pump of any remaining water.
- Reattach water intake hose to pump inlet.
- Roll ¾” hose back onto reel
- Ensure foam container is full
- Roll 1” line and store appropriately
- Ensure that all connections are secured and nozzles are attached to hoses in “CLOSED” position.