



Fire Caddy is the most versatile product you may ever use. Fire Caddy is a unique portable pumping system that can protect your property and your family when threatened by fire.

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SAVE THESE INSTRUCTIONS



CAUTION: Read and follow all Safety Rules and Operating Instructions before first use of this Product.



Fire Caddy™ and Just-In Case Fire™ are Trade Marks of Just-In Case Fire Ltd., Calgary, Alberta, Canada, T2G 2Y8.



FlameOut® is a registered Trade Mark of Summit Environmental Corporation, Longview, Texas, 75601, USA.

FlameOut(R) is the only wetting agent recommended to be used by both the FDA and the EPA. FlameOut is a certified replacement for Halon 1211 by the US-EPA. FlameOut(R) is UL listed (#7P21) for Class A and B fires.



STOP – READ RULES FOR SAFE OPERATION

Do not attempt to operate this device until you have read this manual thoroughly and understand completely all cautions, warnings, safety rules, operating instructions, procedures and maintenance procedures. Failure to comply can result in serious injury or death or loss and damage to property.

Save the owners manual and review frequently for continued safe operation, and for instructing others who may use the Fire Caddy.

Avoid a dangerous operating situation where a threat of a fire or a fire exceeds your training and experience as well as the operating capabilities of the Fire Caddy.

The Fire Caddy is only rated for use on Class A and Class B fires ONLY.



Ordinary combustibles such as wood, cloth, paper, and rubber.



Ordinary flammable or combustible liquids, flammable gases, greases and similar materials such as gasoline, oil, paint and natural and propane gases.

Do not use the Fire Caddy in the presence of energized electrical equipment. Open wiring and electrical appliances may have energized electrical sources.



The Fire Caddy is **NOT** rated for Electrical Fires. Do not use the Fire Caddy in the presence of energized electrical equipment.

Keep Children and Visitors away from the Fire Caddy during operation.

Don't force the Fire Caddy, it will do the job better and safer at the rate and capability for which it was designed.

Wear the proper apparel; do not wear loose clothing or jewellery that can get caught in the Fire Caddy's moving parts. Wear protective hair covering to contain long hair and keep it from being drawn into the Fire Caddy during operation.

Don't overreach, keep proper footing and balance at all times during operation.

Stay alert and exercise control, watch what you are doing and use common sense. Do not operate the Fire Caddy when you are tired, or under the influence of any Drugs, Medication or Alcohol. Do not rush.

Do not use the Fire Caddy if the switches, parts or controls do not operate properly or are damaged. Have the defective items repaired or replaced immediately.

Always wear safety glasses.

Maintain the Fire Caddy with care, follow all instructions and inspect it regularly.

Never operate the Fire Caddy without following these rules for safe operation and all the instructions for operation, procedures and maintenance as well as all and any cautions and warnings in this owner's manual.

Table of Contents

What is the Fire Caddy	1
Figure 1 - Front View	1
Figure 2 - Rear View.....	2
Figure 3 - Control Panel.....	2
Preparation for First Use	4
Settings for Fire Suppression Operation	6
Maintenance and Regular Test Operation	7
Winter / Cold Weather Operation	8
Trouble Shooting	9
Low Pressure.....	9
Fire Caddy Maintenance Schedule	10
Appendices	12
Settings for NON Fire Suppression Operation	12
Use of Secondary Discharge Ports	12
Fire Caddy Specifications	13
Tecumseh Enduro Engine.....	13
System and Pump.....	13
Notes	14
Fire Caddy Limited Warranty	15



CAUTION: Carefully read all sections of this user manual before using your new Fire Caddy. Pay close attention to all CAUTIONS, Warnings, Instructions for Operation, Procedures and Maintenance. The Fire Caddy must be regularly maintained and test operated in order to be available when needed.

Failure to maintain the Fire Caddy and to test operate on a regular basis will void all warranties stated or implied.

FAILURE TO COMPLY WITH ALL CAUTIONS, WARNINGS, INSTRUCTIONS, PROCEDURES AND MAINTENANCE MAY RESULT IN SERIOUS INJURY OR DEATH OR LOSS AND DAMAGE TO PROPERTY.

What is the Fire Caddy

The Fire Caddy is a versatile self-contained fire suppression system that will protect your significant investment in your property. Use the Fire Caddy on acreages, farms, and cottages or for brush fires for the best in personal protection. For commercial applications use the Fire Caddy on construction sites, oil and gas operations, welding applications or anywhere supplemental fire suppression equipment is required.

The Fire Caddy may also be used as a pressure washer, drainage pump or general purpose watering system when not required for supplementary fire suppression applications.

The Fire Caddy fills the significant void between the fire extinguisher and the fire truck providing significant fire protection when used in conjunction with the manufacturers recommended procedures.

Figure 1 - Front View

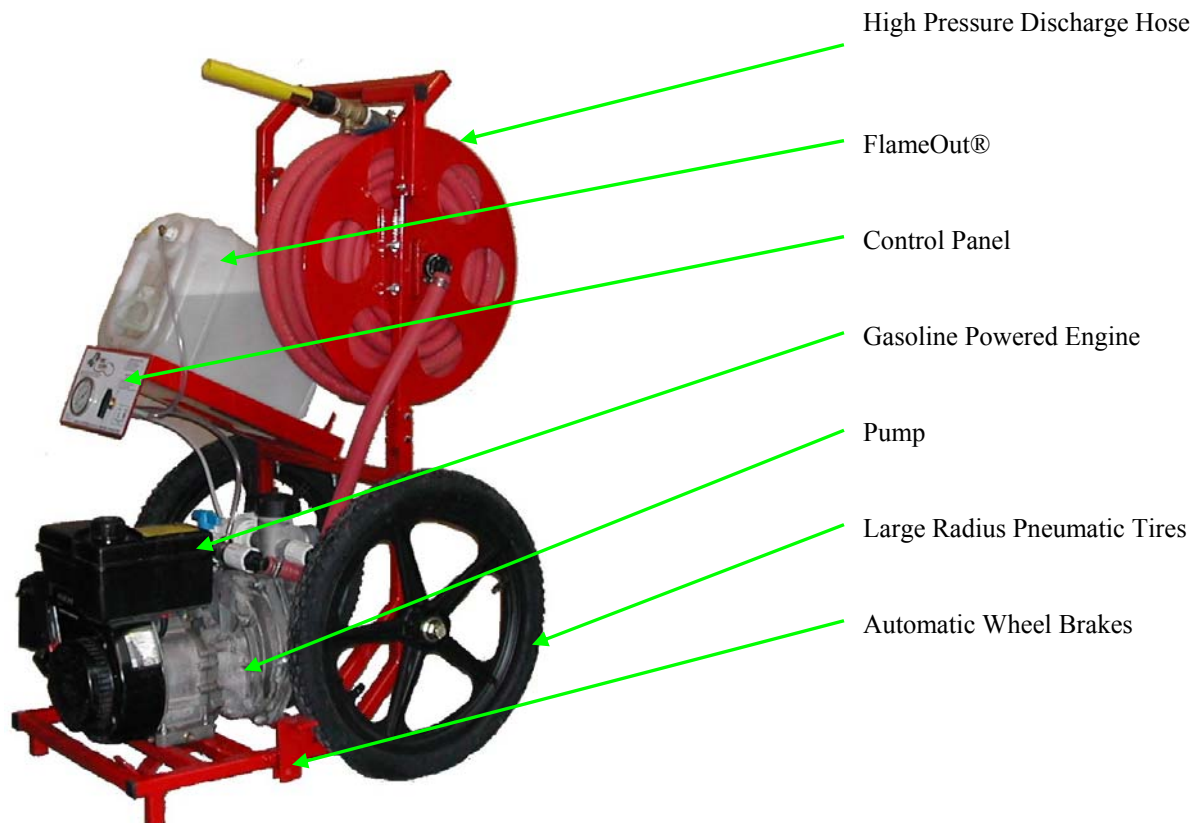
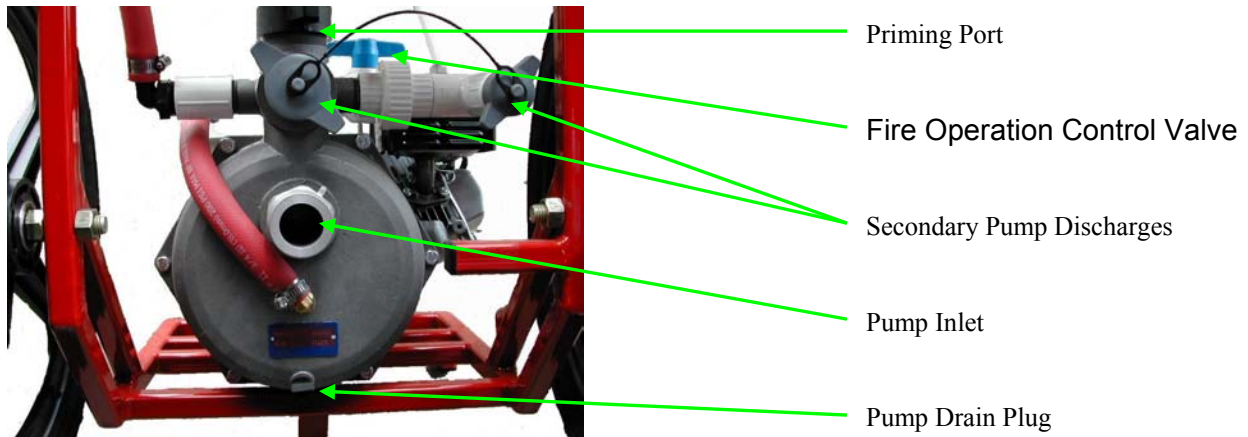
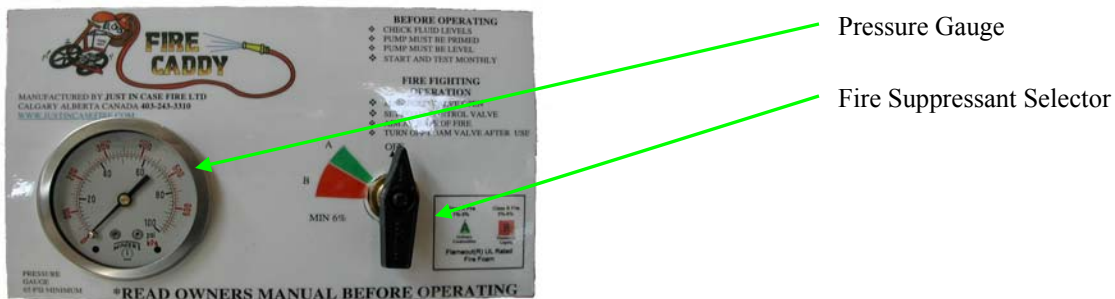


Figure 2 - Rear View



The control panel is conveniently mounted on the front of the Fire Caddy. The control panel is used to select the amount of FlameOut® to be used in the control or prevention of fires. Details on the control panel are offered in other sections of this manual.

Figure 3 - Control Panel



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Preparation for First Use

Immediately upon delivery and prior to the first use of the Fire Caddy the following procedures must be followed.



Failure to perform these after delivery procedures will invalidate your warranty and will render the Fire Caddy unable to perform its intended operation and may result in serious injury or death or loss and damage to property.

These procedures **MUST** be followed immediately upon receipt of your Fire Caddy.

1. Locate the enclosed users manual for the gasoline engine and follow all of the manufacturers instructions for preparation and the addition of the proper grades of gasoline and oil.



CAUTION - Do NOT start the engine at this time.

2. Prime the pump. The pump can be primed by following one of two procedures. Please select the procedure best suited for your purpose as follows:
 - a. If the fire caddy is or will be connected to a permanent water source where the level of the water in the water source is higher than the inlet to the pump then use this procedure.
 - i. Connect the supplied suction hose to the *Pump Inlet* as shown in Figure 2.
 - ii. Ensure the *Pump Drain Plug* as shown in Figure 2 is tightly closed.
 - iii. Check the *Secondary Pump Discharges* and the *Priming Port* as shown in Figure 2 ensuring that all connections are tight.
 - iv. Open ANY other valves in the suction lines and ensure water is reaching the pump.
 - v. As the water source is above the *Pump Inlet* of the pump a prime will automatically be provided to the pump.
 - b. If the fire caddy is or will be connected to a pond, swimming pool, lake, river, stream or other low lying water source use this procedure.
 - i. Ensure the *Pump Drain Plug* as shown in Figure 2 is tightly closed.
 - ii. Check the *Secondary Pump Discharges* as shown in Figure 2 ensuring that all connections are tight.
 - iii. Ensure that the foot valve on the end of the suction hose is connected. Fill suction hose completely with water and connect to the *Pump Inlet* as shown in Figure 2.

- iv. Open the *Priming Port* as shown in Figure 2 and fill pump cavity completely with water. Replace the cap on the *Priming Port* and ensure a tight connection.
 - v. Open ANY other valves in the suction lines and ensure water is reaching the pump.
3. Ensure that the *Fire Operation Control Valve* as shown in Figure 2 is closed. The closed position is perpendicular to the line.
4. Ensure that the *Fire Suppressant Selector* as shown in Figure 3 is completely closed.
5. Un-spool a length of *High Pressure Discharge Hose* (Figure 1) and point away from any structure or person. Note that it is not necessary to completely un-spool the red high pressure hose.
6. Ensure an adequate supply of water.
7. Start the Engine following the manufacturers recommended operation.
8. Open the control valve at the end of the high pressure hose.
9. Ensure the pumping of water and a high pressure discharge at the end of the hose. The *Operating Pressure Gauge* (Figure 3) should show a pressure between 60 and 80 PSI. If not, please stop the engine and refer to the troubleshooting section of this manual.
10. Stop the engine.
11. Remove the center insert of the FlameOut® container. This is a punch out that can be removed by puncturing with any sharp object and then removing the insert.
12. Install the suction line into the FlameOut® container and secure by screwing the fixture in place.
13. Ensure that the *Fire Operation Control Valve* as shown in Figure 2 is open. The open position is parallel to the line.
14. Open the *Fire Suppressant Selector* (Figure 3) to a position in the green area.
15. Start the engine following the manufacturers procedures.
16. Ensure a supply of FlameOut® is discharged from the high pressure hose. FlameOut® will feel soapy to the touch and when discharged to a wall or structure will appear opaque in color and will adhere to the structure.
17. Rotate the *Fire Suppressant Selector* (Figure 3) through all positions ensuring that FlameOut® is discharged at all positions.
18. Stop the engine.
19. Completely close the *Fire Suppressant Selector* (Figure 3).

Settings for Fire Suppression Operation



These settings must be used on the Fire Caddy when it is intended to be used as a Fire Suppression Device. Failure to configure the Fire Caddy as described will result in the Fire Caddy NOT performing as required.

1. Using the *Fire Suppressant Selector* (Figure 2) select the concentration of FlameOut® to use for the fire. Select a position in the green area of the valve motion for Class A fires and a position in the red area of the valve motion for Class B fires. If you are not sure of the type of fire being addressed completely turn the *Fire Suppressant Selector* to the left most stop ensuring maximum FlameOut® utilization.
2. Completely open the Fire Operation Control Valve (Figure 2)
3. Ensure an adequate supply of water.
4. Un-Spool a supply of High Pressure Hose (Figure 1) and point away from any structure or person. Note that it is not necessary to completely un-spool the red high pressure hose.
5. Operate the pump as required. Point the nozzle at the base of the fire and using a sweeping motion to apply the FlameOut® mixture to the fire.



Do not continue to operate the pump after the Flameout® container has been emptied. When the supply of FlameOut® is exhausted close the *Fire Suppressant Selector* and replace the

Maintenance and Regular Test Operation

1. Each calendar month for a total of twelve maintenance checks per year perform the following regular maintenance activities. Select a time and a date that is convenient and set a schedule for maintenance that will ensure this test cycle is followed and adhered to.
 - a. Check the oil level of the gasoline engine. Follow the engine manufacturers recommended procedures for checking the oil level of the engine.
 - b. Check the level of gasoline in the tank. Ensure at all times that the gasoline level in the engine is at or near the maximum fill line.
 - c. Ensure an adequate supply of water.
 - d. Start the engine following the manufacturers recommendations.
 - e. Open the nozzle valve full.
 - f. Ensure that the pressure is between 60 PSI and 80 PSI. If the pressure is not in this range stop the engine and refer to the troubleshooting section of this manual.
 - g. Open the *Fire Suppressant Selector* (Figure 3) to a position in the green range and ensure that a supply of FlameOut® is being discharged from the nozzle.
 - h. Close the Fire Suppressant Selector (Figure 3).
 - i. Stop the Engine following the manufacturers recommended practices.
 - j. Record the maintenance activity in the maintenance chart. A chart has been provided in this manual for recording the maintenance actions.



Failure to maintain the Fire Caddy as described in the recommended practices for maintenance will invalidate the warranty and may prevent the Fire Caddy from performing its intended purpose and may result in serious injury or death or loss and damage to property.

Record all maintenance actions in the maintenance table provided.

Winter / Cold Weather Operation

CAUTION the FlameOut® fire suppressant product will freeze at a temperature of -5 C (22 F).



FlameOut® should be protected from freezing to ensure maximum product availability. FlameOut® is NOT affected by freezing and will retain all of its properties when thawed.

Do NOT attempt to mix FlameOut® with any anti-freeze products.

The water source may be mixed with a non-toxic anti-freeze at concentrations recommended by the manufacturer to ensure availability of the water source for your climate.

Refer to the engine manufacturers Operators manual for suggested cold climate operation.

Trouble Shooting

Low Pressure

The normal operating range of the Fire Caddy is 60 PSI to 80 PSI. The operating pressure of the Fire Caddy can be read from the *Operating Pressure Gauge* on the front panel. A low pressure condition can be caused by:

1. The gasoline powered engine running slower than maximum RPM's.
 - a. Refer to the manufacturers operating instructions for the gasoline engine and ensure that the throttle is set to the maximum speed.
2. An air pocket exists in the suction hose of the Fire Caddy.
 - a. Stop the Fire Caddy.
 - b. Ensure that the pump is correctly primed (refer to the operating instructions in this manual for priming the pump)
 - c. Ensure that the suction hose is completely filled with water and that the foot valve is operating correctly.
 - d. Re-start the engine and monitor the operating pressure of the Fire Caddy.
3. An obstruction exists in the suction hose of the Fire Caddy.
 - a. Stop the Fire Caddy
 - b. Remove the *Suction Hose* from the Fire Caddy and visually inspect the entire length of the hose and the fitting and ensure that no obstruction exists.
 - c. Remove the *Secondary Discharge Port Covers* on the Fire Caddy and visually inspect that no obstruction exists.
 - d. Remove the discharge hose from the pump and flush with water to remove any obstruction.
 - e. Reconnect the *Suction Hose* to the Fire Caddy.
 - f. Re-Start the engine and monitor the operating pressure of the Fire Caddy.



If none of the trouble shooting actions resolves the low pressure problem with the Fire Caddy immediately discontinue use of the Fire Caddy and contact the manufacturer or the manufacturer's representative.

Failure to comply with this instruction may result in serious injury or death or loss and damage to property.

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Appendices

Settings for NON Fire Suppression Operation

The Fire Caddy can be used for a number of general purpose functions when not needed for fire suppression operations. These settings should be used on the Fire Caddy when used in this fashion.



CAUTION when using these settings - the Fire Caddy will **NOT** operate as a Fire Suppression Device, it **MUST BE RESET** to operate as a Fire Suppression Device.

1. The *Fire Suppressant Selector* (Figure 3) must be completely closed. This is the **ONLY** valve that controls the use of FlameOut®. Failure to close this valve will cause FlameOut® to be used for all operations.
2. Close the Fire Operation Control Value (Figure 2). This valve is used to protect the metering venturi in the pump manifold. It is possible when particulate matter is in the water that the metering venturi will get plugged. A thorough cleaning will then be required prior to the next use of the fire caddy. With this valve closed particulate matter cannot plug the metering venturi.
3. Ensure an adequate supply of water.
4. Un-Spool a supply of High Pressure Hose (Figure 1) and point away from any structure or person. Note that it is not necessary to completely un-spool the red high pressure hose.
5. Operate the pump as required.

Use of Secondary Discharge Ports

The Fire Caddy is provided with two *Secondary Discharge Ports* (Figure 2) which can be used as required for fire fighting applications or alternate pumping applications.



Secondary Discharge Ports are not certified for use when the Fire Caddy is used in Fire Suppression Applications. **ONLY** use the Secondary Discharge Ports in a **NON-FIRE SUPPRESSION** application.

The Fire Caddy is provided with a 2" and a 1 ½" secondary discharge port. Fittings and hoses are not supplied with the Fire Caddy for use with the Secondary Discharge Ports.

Fire Caddy Specifications

Tecumseh Enduro Engine

Horsepower	5.0
Displacement (cc) (cu. in.)	172 10.49
Bore (in.)	2-5/8
Stroke (in.)	1-15/16
Weight (lbs.)	30.00
Oil Capacity (oz.)	21
Valve	overhead
Cylinders	aluminum
Air Cleaner	paper Kleen-Aire™ system w/Climate Guard
Ignition	CDI electronic
Lubrication	splash

System and Pump

Suction Hose	20 feet non-collapsible
Discharge Hose	¾" by 50 feet high pressure rubber
Nozzle	Scotties air induction foam
Flow Rate @ full open nozzle	12 US gallons per minute @ 65 PSI
Free-Flow (2" secondary discharge)	100 US gallons per minute
Pressure Gauge	100 PSI liquid filled
Fire Suppressant Selector	0% to 6% @ 12 US gallons per minute and 65 PSI
Wheels	Pneumatic with tubes
Tire Pressure	35 PSI
Hose Reel	Holds 50 feet of high pressure or 100 feet of lay flat high pressure discharge hose
Fire Suppressant	5 US gallons in integral tray
Weight (empty)	150 lbs
Weight (full w Fire Suppressant and motor fluids)	190 lbs
Dimension	31"D x 23"W x 45"H
Frame	Powder Coated Steel construction

Fire Caddy Limited Warranty

This product is warranted to be free from failures due to defects in workmanship for one year from the date of original purchase. During the warranty period, Just-In Case Fire Ltd. at its sole discretion will repair or replace at no charge, the product that, in its sole opinion is defective.

The purchaser is responsible for packing the product for shipment and for the charges to ship the product to the location specified by Just-In Case Fire Ltd. including at the purchasers sole discretion insurance on the shipment. Just-In Case Fire Ltd. will return the product pre-paid to the purchaser.

If the product has been altered, modified or repaired in any way, or if the failure is the result of misuse, abuse or misapplication without the prior consent of Just-In Case Fire Ltd. this warranty shall be void and Just-In Case Fire shall have no obligation to repair or replace the failed product.

The products when used in conjunction with sound fire management practices and strictly as per the manufacturers instructions may provide protection against anticipated fires and may accelerate the extinguishing of existing fires.



CAUTION The unpredictable nature of fires and the techniques used to apply the product(s) will affect the performance of the product.

EXCEPT FOR AS PROVIDED ABOVE, JUST-IN CASE FIRE LTD. DISCLAIMS AND EXCLUDES ANY AND ALL IMPLIED WARRANTIES REGARDING THE PRODUCT(S) INCLUDING BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE.

In no event shall Just-In Case be liable to Distributor, purchaser or any third party for any loss of profits, economic loss, indirect, incidental, punitive, special or consequential damages whatsoever and howsoever caused.