EFP1.5H FIREFIGHTING SYSTEM USER MANUAL

Congratulations on your purchase of an Endurance Equipment Fire Pump. This is a great investment in your family's safety. We at Endurance Equipment hope these instructions will help you set up your new fire pump easily and quickly.

1. Pump unit
2. Fire hose with forestry quick connect
3. Fire Nozzle with forestry quick connect
4. Forestry quick connect by female NPT
5. Intake hose with strainer & female cam lock
6. Male cam lock by female NPT for intake port

May not be exactly as shown

SPECIFICATIONS

Type:	Gasoline Fire Pump
Suction & Discharge port. Dia. (mm/in):	40/1.5
Max. Head (m/ft):	70/230 (100psi)
Max. Suction (m/ft):	8/26
Max. Flow (m3/h, ft3/h)	13.5/477
Self-priming Time (s/4m)	65
Engine Type:	Forced Air cooled, 4-stroke OHV
Max. Output(HP/rpm):	6.5/3600
Fuel Tank Capacity(L/US Gal):	3.6/1
Recommended Fuel:	Unleaded gasoline
Starting System:	Recoil
N.W. (kg/lbs):	25/55
Overall Dimensions (mm/in.)	520x385x470 / 20.5x15x18.5
Included with Pump:	50' Fire Hose, Fog/Stream Nozzle, 8' Intake Hose with Strainer & Camlock Couplers

INTAKE HOSE ASSEMBLY

Move pump to level surface near water source.

1. Attach male cam lock by female NPT (National Pipe Thread) to the intake (lower) port on pump. Thread the cam lock onto the intake port and tighten with a wrench.
2. Attach intake hose to pump. Take female cam lock on end of intake hose and clamp onto male cam lock that is now attached to the pump.
3. Attach the foot valve strainer to opposite end of intake hose.
4. Drop strainer end of intake hose into water source.

DISCHARGE HOSE ASSEMBLY

1. Attach forestry quick connect by female NPT to pump discharge (upper) port. Thread the forestry quick connect onto the discharge port and tighten with a wrench.
2. Attach either end of the fire hose with a 1/4 turn to the discharge port.
3. Attach the nozzle to the other end of the fire hose in the same manner as in 2.

PUMP PRIMING

1. When starting the pump for the first time, unscrew cap on top of discharge port and add water until it overflows.
2. Tighten cap and start pump according to the instructions below, pump will self-prime. Never run the pump for more than a few seconds without water or damage to the pump will occur.

ENGINE STARTUP

1. Check engine oil level. Fill fuel tank with gasoline (any grade of unleaded gas).
2. Set FUEL LEVER to ON (move to right).
3. Set CHOKE LEVER to ON (move to left).
4. Set THROTTLE LEVER to MID POINT.
5. Set ON/OFF Switch to ON.
6. Pull Starter Rope until engine starts.
7. 5 Seconds after starting, move CHOKE LEVER to OFF (move to right).
8. Move THROTTLE LEVER to Left for maximum pressure.

USING YOUR FIRE PUMP

Whether you are washing down a tennis court or preparing for an approaching fire, the same basic procedures of fire pump operation apply:

Follow Basic Setup and Engine Startup Procedures as outlined above. With throttle lever set to 3/4 or Full Throttle, be sure fire hose pressurizes. If fire hose does not pressurize, repeat priming steps.

Look at the Fire Nozzle, It's labeled OPEN and CLOSE- Observe the Arrows. Twist the end of the nozzle until water flows, hold on tight! Keep twisting and the stream changes to fog. Adjust the nozzle to the appropriate setting for you.

To prepare for an approaching fire the object is to wet down all combustible material (brush, woodpiles, shake roofs, decks, etc.) within 100 feet of your home. Start with the area from which the fire will approach and work all the way around the structure. Do this before the flames arrive!

Warning: We do not recommend that you try to suppress an active fire! Follow all orders from law enforcement or fire department personnel. Shut off your fire pump before evacuating, leave it primed by your water source. Fire Fighters may use your pump to protect your home.

SHUTTING DOWN

1. Close Nozzle
2. Set Throttle Lever to IDLE (move to right). Let engine idle for 2-3 minutes.
3. Open nozzle slightly or open garden hose valve to cool pump housing.
4. Set fuel lever to OFF (move to left)
5. On/Off Switch to OFF
6. Disconnect all Intake and Fire Hoses.
7. Open pump drain valve at bottom of pump housing.
8. Drain Intake hose and store on pump cart.
9. Drain all fire hoses; do not roll until outside of hose is completely dry.
10. Refill gas tank and close pump drain valve.

STORAGE

Proper storage of your fire pump system is essential to ensure that it is ready for the next use.

1. Be sure pump housing and all fire hoses have been drained completely.
2. Fill gas tank with gasoline. Add fuel stabilizer if storing more than 3 months.
3. Set choke lever to on (left). Gas lever to off (left). Throttle to mid-point.
4. Store in a garage or storage shed (not covered with 'stuff') near water source. If unit is to be stored outdoors cover it with a tarp.
5. Protect from direct sunlight, excess moisture and rodents (they will all damage the hoses and rubber parts).

Important Notice:

It is extremely important to test your fire pump at least every 3 months.The reasons are simple:

The health of your fire pump system: You must run the pump for at least 20 minutes every 3 months. You will then add fresh gasoline and return to storage.

Your Peace of Mind: By exercising your fire pump, you will be testing the system and reinforcing your memory of how to operate the pump. Practicing often is the best way to be sure you and your family are ready for 'the real thing'.