



A Safe Fleet Brand

Form 925
Rev. 6/20

Turbo Stream[®]

Models S108-4008 and S108-4008H

INSTALLATION AND OPERATION MANUAL

Unit Serial Number _____

All quality FoamPro products are ruggedly designed, accurately machined, carefully assembled, thoroughly inspected and tested. In order to maintain the high quality of your unit, and to keep it in a ready condition, it is important to follow the instructions on care and operation. Proper use and good preventive maintenance will lengthen the life of your unit. ALWAYS INCLUDE THE UNIT SERIAL NUMBER IN CORRESPONDENCE.

TABLE OF CONTENTS

Section	Page
1 SAFETY	3
2 INTRODUCTION.....	4
3 SYSTEM COMPONENT DESCRIPTION.....	5
4 INSTALLER SUPPLIED PARTS	6
5 INSTALLATION PLANNING	7
6 PLUMBING COMPONENT INSTALLATION.....	7
7 ELECTRICAL EQUIPMENT INSTALLATION	8
8 MAKING SURE EVERYTHING IS WORKING RIGHT.....	8
9 CALIBRATION AND SETUP.....	9
10 ENGINE OPERATING INSTRUCTIONS	10
11 MAINTENANCE	11
12 TROUBLESHOOTING	11
13 PARTS IDENTIFICATION.....	12
14 INSTALLATION DRAWINGS.....	13
15 WARRANTY.....	Back Cover

NOTE TO SYSTEM INSTALLERS

IMPORTANT: Please provide a copy of the FoamPro manual to the end user of the equipment. For additional FoamPro manuals, contact by FAX 816-892-3178, web site www.foampro.com, or call 800-533-9511. Request Form No. 925.

1 Safety

1. **WARNING: Use pressure relief device on the discharge side of the pump to prevent damage from pressure buildup when the pump discharge is blocked or otherwise closed and the power source is still running. For trigger gun operation, or where discharge is frequently shut off, pressure unloader valves are recommended. The Turbo Stream system is equipped with a pressure relief device and should not be removed.**

FAILURE TO FOLLOW THIS WARNING MAY RESULT IN PERSONAL INJURY AND/OR PROPERTY DAMAGE AND WILL VOID THE PRODUCTION WARRANTY.

2. **WARNING: Do not pump flammable or explosive fluids such as gasoline, fuel oil, kerosene, etc. Do not use in explosive atmospheres. The pump should be used only with liquids that are compatible with the pump component materials. Failure to follow this warning may result in personal injury and/or damage and will void the product warranty.**
3. **Do not pump** at a pressure higher than the maximum recommended pressure. [1450 psi (100 BAR)].
4. **Do not run** the system at greater than recommended capacity.
5. **Do not permanently remove** or alter any guarding devices or attempt to operate the system when these guards are removed.
6. **Always disconnect the power** source before attempting to service any part of the system.
7. **Release all pressure** within the system before servicing any of its components.
8. **Drain all concentrate and water** from the discharge system before servicing any of its component parts.
9. **Periodically** inspect all hoses for wear or worn conditions. Make sure all connections and fittings are tight and secure.
10. **Use pipe, hose and fittings** that are rated at or above the maximum pressure rating at which the water pump system may operate.
11. **Use pipe, hose and fittings** from the hydraulic oil pump to the foam pump hydraulic motor, which are rated at 3000 PSI (207 BAR) minimum working pressure or better and are approved for mobile hydraulic system use.
12. **The components and fittings** used in this system must be compatible with the foam concentrates used and pressures at which the pump system operates.
13. **CAUTION: ENSURE THAT THE ELECTRICAL SOURCE OF POWER FOR THE UNIT IS THE APPROPRIATE 12 VOLT NEGATIVE-GROUND DC SYSTEM.**
14. **Secure all discharge lines** before starting the pump. An insecure line may whip, causing personal injury and/or property damage.
15. **Any electrical system** has the potential to cause sparks during service. Take care to eliminate explosive or hazardous environments during service and repair.
16. **CAUTION: Do not attempt to operate the system at or above a temperature of 130°F (55°C).**
17. **CAUTION: Periodically inspect the pump and the system components. Perform routine maintenance as required. Failure to perform routine maintenance may cause damage to individual system components; pump, motor, and gearbox assemblies. See the maintenance section of this manual for recommended maintenance procedures and intervals between maintenance work.**
18. **CAUTION: Read and understand “Operating Instructions” section before attempting to operate the unit.**
19. **CAUTION: The components shipped with each FoamPro unit are tested at the factory. Improper handling and forcing connections can damage the components which could result in other system damage.**
20. **CAUTION: Ensure the fuel source for the gas engine is in the “OFF” position while in transport or storage mode. This will prevent engine flooding and fuel leakage.**

Installation and Operation Manual

21. **CAUTION:** Use only approved petroleum-based hydraulic fluids meeting the specifications as noted in Section 4. Never mix fluid types. Ensure all hoses and seals are compatible with fluids used. Do not use water or glycol-based fluids. Do not use phosphate ester-type fluids.
22. **CAUTION:** Dirt and contaminants are the primary causes of premature wear and failure in any hydraulic system. Use extreme care during assembly and service to keep contaminants out of the system.
23. **CAUTION:** All DOT, SAE or other applicable standards must be followed when installing the hydraulic supply system. Pay close attention to engine and transmission manufacturer's drive limitations.
24. **CAUTION:** To ensure the integrity of fitting connections in the hydraulic system, use only SAE JIC 37° flare or equal-type hose connections.

2 Introduction

The FoamPro High Pressure System is a hydraulic or gas engine-driven, flow-based proportioning system that injects foam concentrate at a desired percentage at a fixed water flow rate. The basic FoamPro High Pressure System is shown in Figure 1. The system will accurately deliver from 0.3% to 3.0% foam concentrate at the rated system pressure and flow rate. The system will accurately inject foam concentrate while the system is running at recommended operating speed and pressure. Foam percentage indication is instantaneously given on the foam monitoring panel supplied.

The foam concentrate is directly injected into the system at the head of the pump. It is then fed as foam solution into the adjustable foam spray gun.

The pump inlet is equipped with a check valve to prevent contamination of the water supply.

The FoamPro High Pressure Foam System is designed for use with most foam concentrate applications with foam viscosities less than 60 CPS. This includes Class A and low viscosity Class B foam concentrates. High viscosity foams, such as AR-AFFF, are not acceptable. Flushing of the system, especially when using Class B foams or switching foam concentrates, is required.

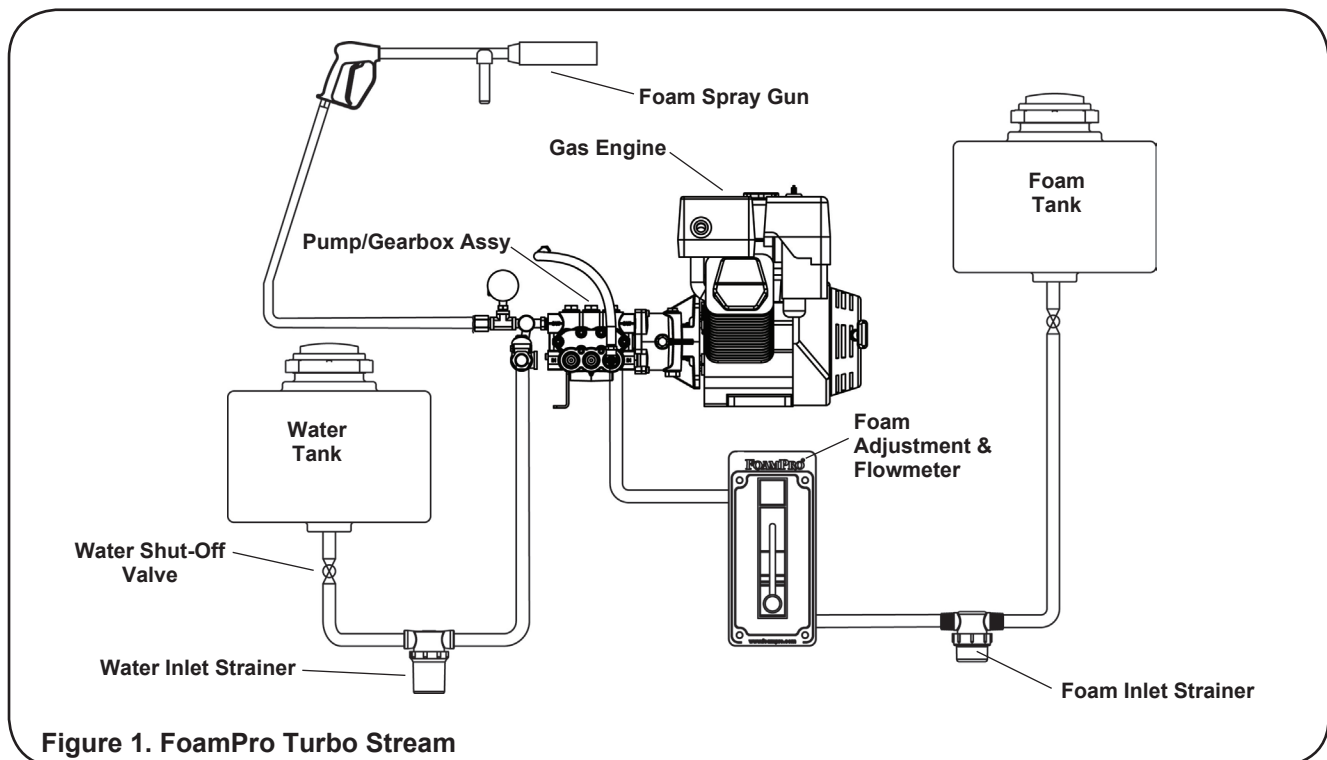
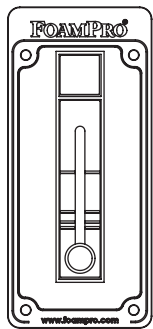


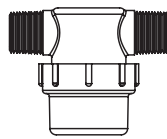
Figure 1. FoamPro Turbo Stream

3 System Component Description

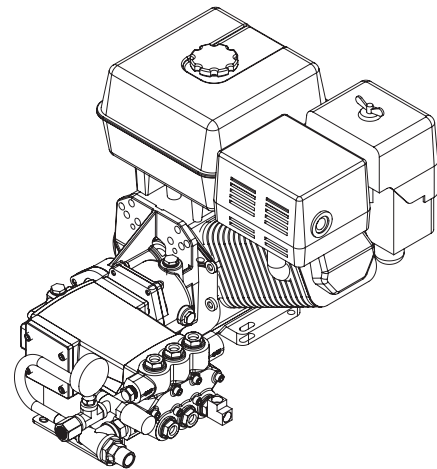
The following components are packaged with the FoamPro High Pressure System:



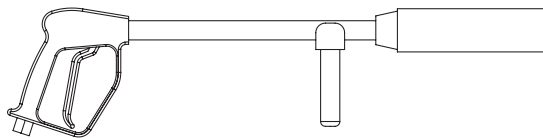
Control Panel



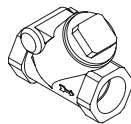
Foam Concentrate Strainer



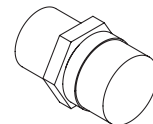
Pump/Gas Engine Assembly



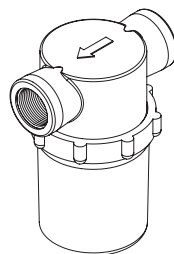
Foam Spray Gun/Wand



Water Inlet Check Valve



Thermal Relief Valve



Inlet Water Strainer

4 Installer Supplied Parts

The FoamPro High Pressure System is provided with the major components and accessories required for installation. Due to differences in chassis and apparatus configurations, the installer must provide plumbing to satisfy individual installation requirements. The following paragraphs list the specifications for selection of these components. Before beginning system installation, read this section thoroughly to make sure the proper components are selected. For detailed system installation instructions, refer to Sections 5, 6, and 7.

SUCTION LINES

Corrosion-resistant fittings and hoses from the foam tank to the foam concentrate inlet of the pump must be used. Use 5/16-inch to 3/8-inch inside diameter hose for the foam inlet. Corrosion-resistant fittings and hoses from the water source to the inlet of the pump must be used. Use only 3/4-inch minimum inside diameter hose for the water inlet. Use components that are rated for 23 in [584.2 mm] Hg vacuum and 50 psi [3 bar] pressure or greater for all suction line inlets. The components used must be compatible with all foam concentrates to be used. All fittings used must be made of brass, 300 series stainless or other corrosion-resistant materials. Before selection of components, check for compatibility with foam concentrate. The use of clear suction hose is recommended to allow viewing of foam and water priming operations.

DISCHARGE LINES

Fittings and hoses from the foam solution discharge of the pump to the foam spray nozzle must be supplied by the installer. Hoses and fittings of 1/2-inch [12.7 mm] minimum INSIDE diameter, rated for 1800 psi [124.1 BAR] minimum working pressure, must be supplied by the installer. Fittings are required to be 1/2-inch male NPT on hose ends.

The following guidelines should be followed in choosing hose length and hose diameters.

<u>Hose ID</u>	<u>Approximate Pressure Drop Per 1 ft. of Hose</u>	<u>Recommended Max. Hose Length</u>
1/2"	1.15	50'
5/8"	.47	100'
3/4"	.23	200'
1"	.07	400'

Fittings and hoses must be compatible with all foam concentrates to be used. Use fittings of brass, 300 series stainless or other corrosion-resistant material that is compatible with foam concentrates to be used. Thermal relief valve must be plumbed to discharge away from operator.

CHECK VALVES

Check valves have been included with the system at the water inlet to help prevent back flow of foam concentrate or foam solution. The system should be disconnected from exterior water supplies when not in use. A complete system flush should be performed before storage to prevent component failure due to evaporation of foam and water within the system.

FOAM CONCENTRATE TANK

A foam concentrate tank must be supplied to suit the capacity required for the apparatus application. The tank should meet NFPA minimum standards for the design capacity, including filler size, venting and drain facility. A shut-off valve is recommended to allow cleaning of the strainer.

ELECTRICAL REQUIREMENTS

Electrical wiring must be supplied to the engine starter switch. Use AWG No. 4 cable for power and ground connection, not to exceed 5 ft. SEE ENGINE MANUAL for detailed electrical hook-up specifications.

CAUTION: Always disconnect ground before electrical arc welding on any FoamPro equipment. Failure to do so will result in a power surge through the system that could cause irreparable damage to the electronic components.

5 Installation Planning

Because of the potential differences in apparatus plumbing and foam system configuration, it is not practical to depict exactly how each FoamPro unit can best be installed onto a particular apparatus. Most of the information contained in the following sections, however, will apply to any situation.

It is recommended that you read the following sections thoroughly before beginning installation of the FoamPro system. It is also recommended that you spend time planning and designing where and how you intend to install this unit in the apparatus before beginning the actual installation.

Determine the location of the components to be installed such as: foam tank, water tank, foam system, and display panel. Try to position the components to minimize fittings and hose lengths. Position the system in an accessible area.

For best performance, the foam system should be positioned below the foam tank discharge to allow gravity feed to the pump. The foam system will draft up to three feet. Place the foam tank where refilling with 5 gallon [19 liter] containers and other methods is suitable for the end user.

Determine a location for the display panel on the unit that is visually accessible while the system is in operation. The display panel should be located on the same horizontal plane as the system and foam tank for best possible performance.

Determine a safe place for the thermal relief valve drain hose, and be sure it drains in a safe location away from operator.

6 Plumbing Component Installation

The following diagram (Figure 2) provides recommended guidelines for the location of the system components that handle foam concentrate, water, and foam solution.

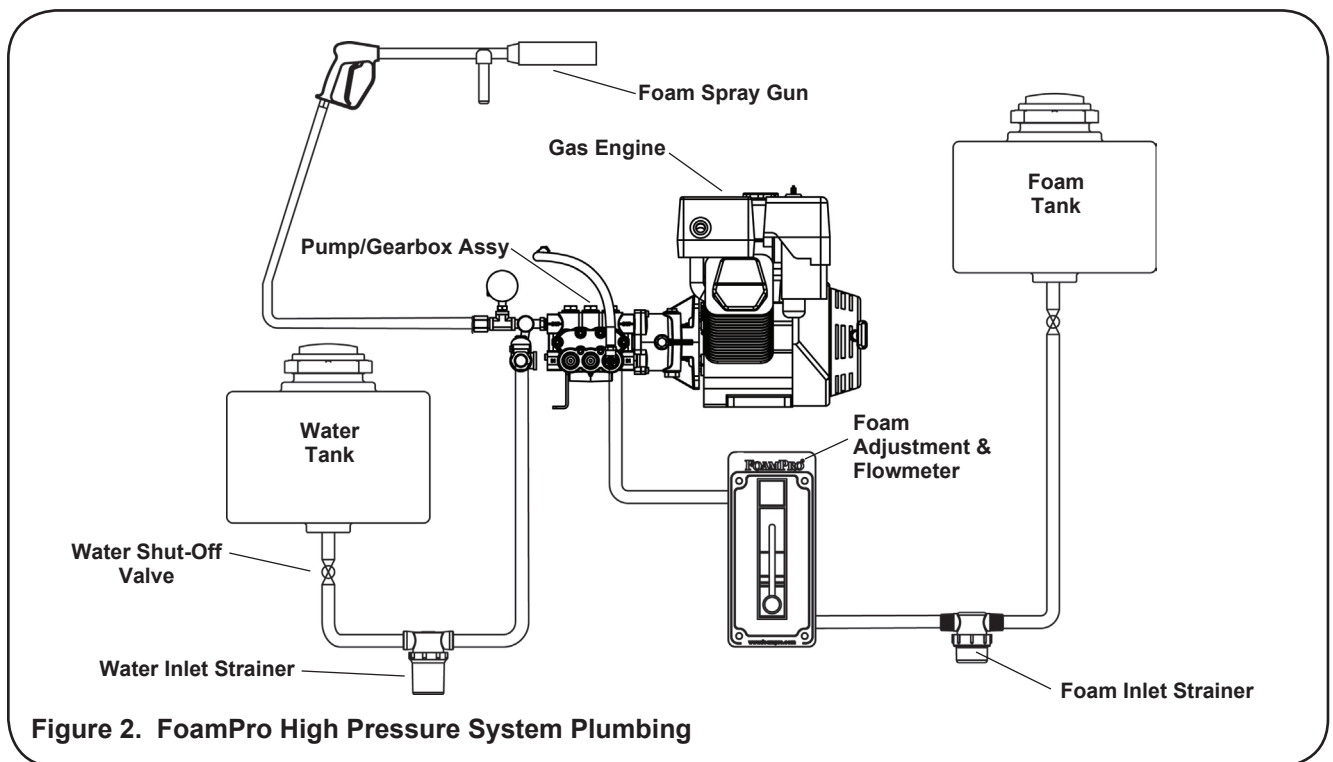


Figure 2. FoamPro High Pressure System Plumbing

PUMP/MOTOR BASE ASSEMBLY

The pump/motor base assembly must be mounted in the horizontal position. The system can be run at 15 degrees on any plane to the horizontal and may be run intermittently at 30 degrees to the horizontal plane. The base of the system must be anchored to a surface or structure that is ridged and of adequate strength to withstand the vibration and stresses of apparatus operation. The main pump has a water drafting capability not to exceed six feet of vertical lift and should not be subjected to an inlet pressure of more than 3 PSI to ensure proper operation of the foam injection system. The drawings on pages 14 and 15 provide the mounting dimensions for the FoamPro High Pressure pump/motor base assembly. Flexible hose is required to make the hose connections to the FoamPro High Pressure System. DO NOT hard pipe the system.

Protect the hoses and wiring to prevent chafing and abrasion during operation of the foam system. Protect the foam pump base unit from excessive spray and debris. See engine manual for allowed engine operating conditions.

LINE STRAINERS

There are two line strainers provided with the FoamPro unit. The pump inlet line strainer has 3/4-inch NPT female threaded ports and is to be installed on the water inlet of the foam pump. The water supply hose should have adequate wall stiffness to withstand the vacuum of the pump while it is in operation [23 in. (584 mm) Hg and 50 PSI (3 BAR)].

The second strainer has 1/2-inch NPT male and 1/4-inch NPT female-threaded ports and is to be installed in the foam inlet before the flow meter. The foam supply hose should be 1/4 to 3/8- inch and able to withstand 23 in/ Hg of vacuum and 50 psi. Clear foam supply hose is recommended so that the operator can see the flow of foam concentrate in the hose.

NOTE: If a pressurized water flush is incorporated, the pressure should be limited to 100 PSI (7 BAR).

CHECK VALVES

A 3/4-inch check valve is included at pump inlet. A foam injection check valve is incorporated in the design.

FLUSHING SYSTEM

Depending on the corrosiveness of the foam concentrates to be used, a flushing system may be required in the foam concentrate injection system. Most Class A foam concentrates (per NFPA 1150) are less corrosive and therefore may not require flushing. It is important to flush and drain the entire system before long periods of storage to prevent component malfunction.

THERMAL RELIEF VALVE

A thermal relief valve is included with the system to prevent pump overheating during unloading.

7 Electrical Equipment Installation

ELECTRICAL CONNECTIONS

See engine manual for detailed electrical connections only if engine is equipped with electric start.

8 Making Sure Everything is Working Right

SYSTEM CHECK

Check fuel level and oil level per engine manual prior to running system. Check pump and gear case oil level prior to running system. Pump and gear case should be filled with oil per manual instructions.

Check the function of all components before using the system. Also check that all plumbing and components are tight and functional.

Check to see that water supply lines, strainers and foam tank lines are free of debris and plumbed correctly. Any leaks in the system will cause poor system performance and operation.

9 Calibration & Setup

CALIBRATION

The FoamPro High Pressure System has been calibrated at the factory. To check calibration of the system, the following procedure should be used:

- 1) Start the system. Run the engine to an RPM that produces 8 GPM (3345 Engine RPM) of pump water inlet flow. Tools needed for the test are a Pitot tube or other calibrated flowmeter to test the system inlet water flow, a graduated bucket to remove and calibrate foam concentrate, and a stop watch to measure volume unit/time of foam concentrate and water flow.
- 2) Open the control knob of the display panel to start foam injection, while holding the spray gun in the on position, run the system for a few minutes. The system will not inject foam concentrate while the system is unloading.
- 3) Turn the injection control knob to the desired foam injection calibration point. Start the stop watch and record the necessary volumes or flow rates of foam concentrate and water.
- 4) Measure the amount of foam concentrate in the container and compare that to the calculated amount. (Main flow rate X injection rate X minutes flowed [8.00 GPM X 0.005 (0.5%) injection rate X 5 minutes = 0.20 gallons]).
- 5) **CAUTION:** Long periods of pump deadheading may result in pump damage due to overheating of water in the system. The system is equipped with a thermal relief valve to eliminate damage to the pump during unloading. It is recommended to idle down the system during unloading if the system must stay running during transportation.
- 6) **CAUTION:** System may only be calibrated with foams with a viscosity from 60 CPS. Use of other higher viscosity foams will create an error in calibration and setup. Use only quality foam concentrate.
- 7) Measure the amount of concentrate injected over time and compare to the level indicated on the display panel during this time. The output of the FoamPro High Pressure System must be set at a constant 8 GPM + 0.20 GPM/-0.5 GPM. Injection rate is easily changed by turning the foam % control knob on the display panel. The foam percentage is indicated on the display panel and is read using the largest diameter of the foam percent float. Repeat at each indicated % if desired.
- 8) The water inlet flow rate may be adjusted by changing the engine RPM. Increasing the engine RPM will increase the flow rate. Decreasing the engine RPM will decrease the water inlet flow rate. Varying engine RPM will change calibration settings.

NOTE: The viscosity of different foam concentrates may have an effect on the amount of foam concentrate that is injected into the water stream. When checking the calibration of the system, use the foam concentrate that will be used most frequently during normal operations. When different viscosity foam concentrates are used, the actual concentrate injection may vary as much as 100%.

PRESSURE RELIEF-UNLOADER VALVE ADJUSTMENT

The pressure relief-unloader valve is factory tested and preset. **Adjustment is only required if the relief-unloader valve is replaced.** After setting the valve properly, no other adjustments will be required. The following procedure is provided for proper adjustment.

- 1) Start the system and run the pump to maximum RPM with the foam spray gun in the open position.
- 2) Turn the adjustment nut (lower) slowly so the pressure on the gauge is at 1450 PSI (100 BAR).
- 3) Turn off the foam spray gun and open it again to ensure the pressure is the same as it was set.
- 4) Turn off the spray gun and shut off the engine. Lock the adjustment nut (lower) into place with the nut (upper).

10 Engine Operating Instructions

PREPARATIONS BEFORE STARTING THE SYSTEM

- 1) Fuel: Check fuel level in tank. Do not overfill tank. Use fresh, clean automotive fuel. **NOTE: DO NOT FILL FUEL TANK WHEN ENGINE IS RUNNING.**
- 2) Engine Oil: Before checking or refilling with engine oil, make sure the engine is stopped and placed on a stable, level surface. Use oil recommended for ambient air temperatures at which the engine will be running. Change oil according to manufacturer's recommendation. (At least once after the first 20 hours and every 100 hours thereafter.)
- 3) Pump Oil: Before checking or refilling with pump oil, make sure the engine is stopped and placed on a stable, level surface. Use oil recommended for ambient air temperatures at which the pump will be running. Change oil according to manufacturer's recommendation, using SAE 30 weight non-detergent oil. Check oil level before running the system using the oil level dip stick on the pump.
- 4) Gear Case Oil: Before checking or refilling with gear case oil, make sure the gear case and engine are stopped and placed on a stable level surface. Use oil recommended for ambient air temperatures at which the gear case will be running at. Change oil according to manufacturer's recommendation, using SAE 90 weight non-detergent oil. Check oil level before running the system using the oil level hole on the side of the gear case.
- 5) Check to see that water supply lines, strainers and foam tank lines are free of debris and plumbed correctly. Any leaks in the system will cause poor system performance and operation.

STARTING THE SYSTEM

IMPORTANT: Before starting engine, be sure discharge hose is secure.

- 1) Turn the engine switch located by the recoil starter to the ON position.
- 2) Turn the fuel cock to the ON position.
- 3) Push the throttle lever to a slightly open position.
- 4) Operation of the choke lever
 - a) When engine is cold:
 - i) In cold weather, start engine with choke in the fully-closed position.
 - ii) In warm weather, start engine with choke in half-closed position.
 - b) When engine is warm:
 - i) Start engine with choke in fully open position.

- 5) Open the gun by pulling the trigger. This will allow easier starting of the engine.
- 6) Start the engine with electric start key or recoil starter.

OPERATION OF THE SYSTEM

- 1) Idle the engine for 3 to 5 minutes or until operating temperature is achieved.
- 2) **CAUTION:** Do not run the FoamPro High Pressure System for long periods during unloading. Long periods of pump deadheading may result in pump damage due to overheating of water in the system.
- 3) Open the throttle lever to the upper zone after engine has reached operating temperature.
- 4) Once the system is primed, you will note a load on the engine; adjust RPM to proper speed for your pumping application.
- 5) Adjust the foam concentrate injection percentage with the display panel to the desired percentage while the system is running at full capacity (8 GPM).

STOPPING THE SYSTEM

- 1) Stop pump for a short time:
 - a) Run throttle all the way down (fully to the right).
 - b) Turn engine switch to OFF position.
 - c) Turn the fuel cock to the OFF position. This valve should be closed for transporting the unit also.
- 2) Stopping pump for storage:
 - a) Turn fuel cock to OFF position instead of turning the engine off.
 - b) Let the engine idle for 2 to 3 minutes until fuel in the carburetor is depleted and engine stops.
 - c) Drain the pump and flush pump after use.
 - d) Drain all fuel from engine.
 - e) Store system in clean, dry environment.

11 Maintenance

1. Daily: Inspect wiring, hoses, pump, gear case, engine and connectors for tightness, corrosion, leaks and/or damage.
2. Daily: Check hydraulic/engine oil level and refill as necessary.
3. Monthly: Remove and clean the foam and pump inlet strainer screens. Flush as required.
4. Monthly: Check pump gear case oil level and refill as necessary.
5. Monthly: Check gear case oil level and refill as necessary.
6. Monthly: Change engine oil every month or every 100 hours, whichever comes first. First oil change is to be done at 20 hours.
7. Annually: Drain the pump oil and refill pump gear case with SAE 30 weight non-detergent oil. Check for foreign materials in the drained oil (water or debris).
8. Annually: Drain the gearbox oil and refill gearbox with SAE 90 weight gear lube. Check for foreign materials in drained oil.

Note: Water quality, flushing and storage techniques, environment and usage may have an effect on your maintenance schedule. To ensure equipment longevity, it is recommended to adjust your schedule accordingly.

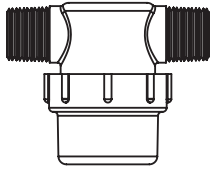
Caution: Release all pressure and drain all concentrate and water from the system before servicing any of its components.

12 Troubleshooting

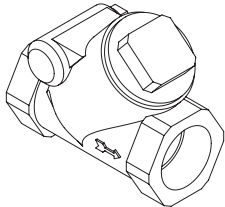
The FoamPro Turbo Stream system is designed to be easy to diagnose and service. There are several major components (see Figure 2). Servicing the system involves isolation of the failed component and replacing it. Following the trouble-shooting guide will allow quick diagnosis of the problem and the corrective action to take.

Symptom	Probable Cause(s)	Corrective Action
Pump runs but produces no flow.	Pump is not primed.	Pull trigger on foam sprayer gun while priming pump.
Pump loses prime, chattering noise, pressure fluctuates.	Air leak in suction hose or inlet fittings.	Remove suction hose and test for leaks by pressurizing hose with water. Make sure thread sealant has been used on all fittings.
	Suction line is blocked, collapsed or too small.	Remove suction line and inspect it for a loose line or debris lodged in hose. Avoid all unnecessary bends. Do not kink hose.
	Clogged suction strainer.	Clean strainer.
Foam pump capacity below rating.	Net Positive Suction Head required.	If foam does not flow freely, modification of piping and pump location is required.
	Engine RPM	Check engine RPM
Engine does not run or runs poorly.		See engine manual.

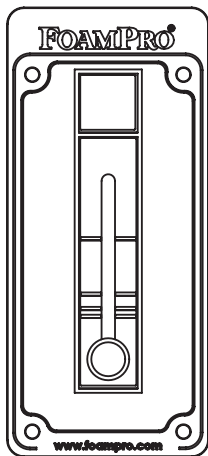
13 Parts Identification



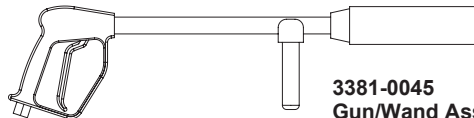
3350-0085
Foam Inlet Strainer



3320-0063
Inlet Check Valve

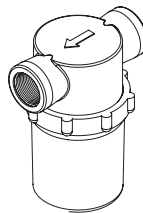


6032-0078
Control Panel

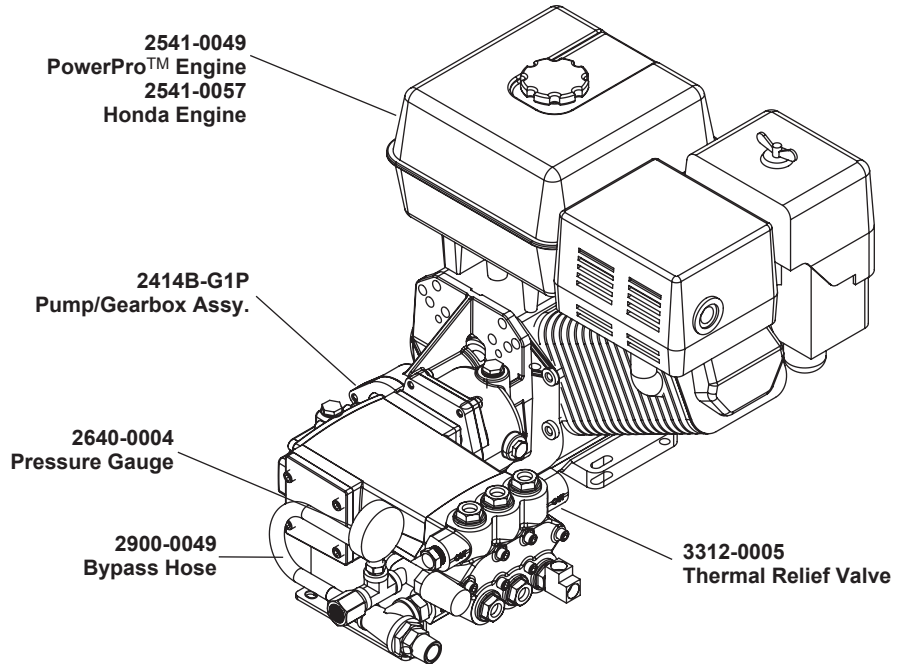


3381-0045
Gun/Wand Assembly
with Low Pressure 3385-4500 Nozzle (approx. 400 PSI)

Nozzles
High Pressure 3385-2300 (1450 PSI)
Medium Pressure 3385-3000 (750 PSI)



3350-0044
Water Inlet Strainer



2541-0049
PowerPro™ Engine
2541-0057
Honda Engine

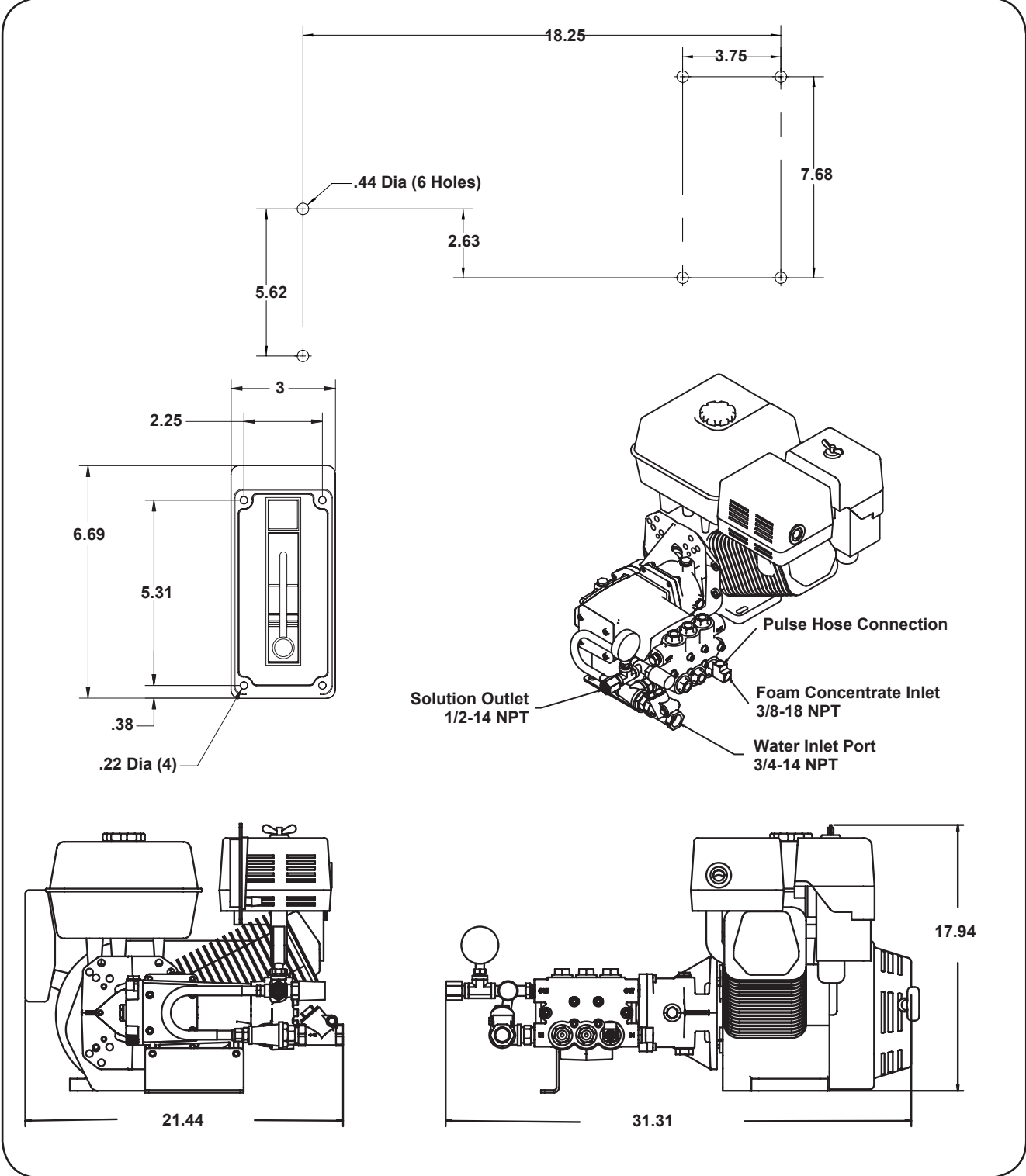
2414B-G1P
Pump/Gearbox Assy.

2640-0004
Pressure Gauge

2900-0049
Bypass Hose

3312-0005
Thermal Relief Valve

14 Installation Drawings



NOTES

NOTES

15 Limited Warranty

Fire Research Corp. (FRC), as supplier of FoamPro, warrants to the original purchaser, each new pump, system or other product of its own manufacture, for a period of two years from the date of shipment from the factory, to be free from defects in material and workmanship under normal use and service. "Normal use and service" means not in excess of recommended maximum speeds, pressures, and temperatures, or handling fluids not compatible with components materials, as noted in applicable FoamPro product catalogs, technical literature, and instructions. This warranty shall not apply to any pump, system or other product which shall have been repaired or altered to adversely affect the performance or reliability of the pump, system or other product.

Neither this warranty nor any implied warranty apply to damage or harm caused by any or all of the following: (1) Freight damage; (2) Freezing damage; (3) Damage caused by parts and/or accessories or components not obtained from or approved by FRC; (4) ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES, OTHER THAN INJURY TO THE PERSON, ARISING FROM THE USE OF ANY PUMP OR OTHER PRODUCT MANUFACTURED BY FRC EXCEPT in states that do not allow the exclusion or limitation of incidental or consequential damages; (5) Damage due to misapplication and/or misuse; (6) Normal wear of moving parts or components affected by moving parts.

The liability of FRC under the foregoing warranty is limited to the repair or replacement at FRC's option without charge for labor or materials of any parts upon return of the entire pump, system or other product or of the particular part to the FRC factory within the warranty period, at the sole expense of the purchaser, which part shall upon examination appear to FRC's satisfaction to have been defective in material and workmanship. The liability of FRC under any theory of recovery (except any express warranty where the remedy is set forth in the above paragraph) for loss, harm or damage, shall be limited to the lesser of the actual loss, harm or damage or the purchase price of the involved pump, system or other product when sold by FRC to its customer.

FRC expressly warrants its pumps and other products as above stated. THERE ARE NO OTHER EXPRESS WARRANTIES. ANY IMPLIED WARRANTIES, INCLUDING IMPLIED WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO TWO YEARS FROM THE DATE OF PURCHASE BY THE ORIGINAL PURCHASER EXCEPT in states that do not allow time limitations on implied warranties. THERE IS NO IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY WHEN THIS PRODUCT IS PUT TO RENTAL USE.

No person including any dealer or representative of FoamPro is authorized to make any representation or warranty concerning FRC's FoamPro products on behalf of FRC, or to assume for FRC the obligations contained in this warranty. FRC reserves the right to make changes in design and other changes and improvements upon its products without imposing any obligations upon itself to install the same, upon its existing products then in process or manufacture.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

IMPORTANT NOTICE

It is imperative to package all FoamPro components properly, before shipment (with Return Goods Authorization attached) back to FRC. The FoamPro contains electronic components that may receive damage from improper shipping procedures! All FoamPro components shipped back to FRC will pass through Quality Control Inspection, and will be photographed after the box is opened. Any shipping damage, such as superficial scratches, nicks, etc., to the unit makes it unusable (even after the internal warranty problem is repaired) and thus must be refinished to "like-new" condition during the warranty process. You are responsible for any physical damage occurring to FoamPro components at your facility and during shipment back to FRC.

Package the FoamPro, complete with all the recommended parts the Customer Service representative requires (i.e., Digital Display control with all premolded wire cables etc.) in its original carton with the Styrofoam and other packaging materials, as it was received at your facility. FRC appreciates your attention in this matter, as we feel it will help us to serve you in a better fashion, while keeping the cost of the FoamPro product competitive. Thank you.