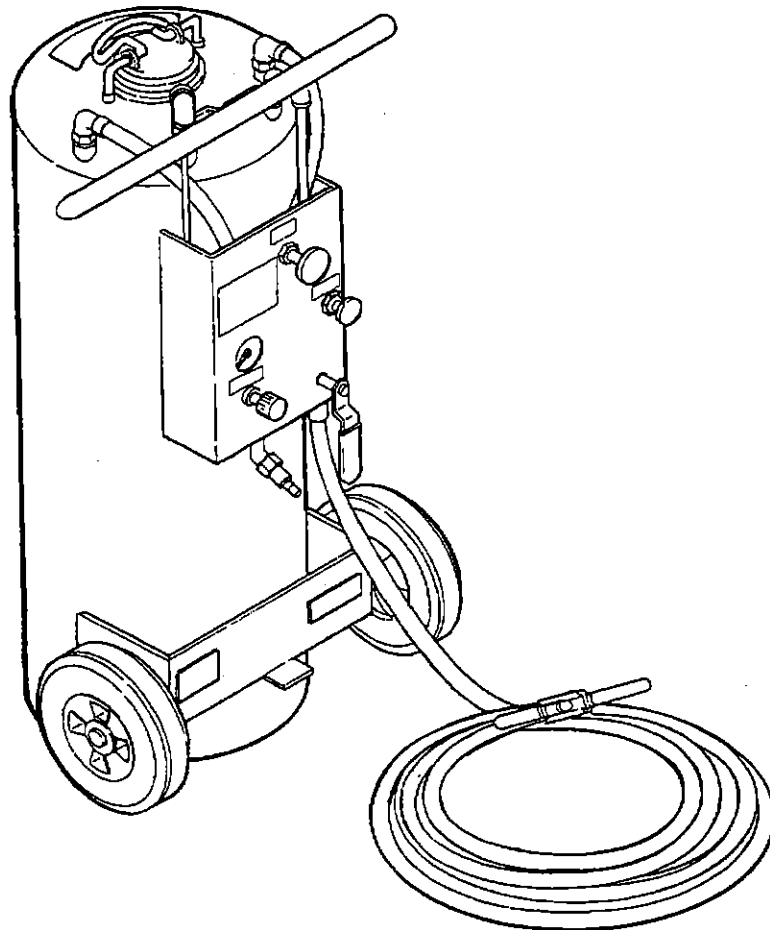


MODEL T JR. FOAMER

INSTALLATION AND OPERATION MANUAL

#801-5965



**MODEL T JR. FOAMER
INSTALLATION AND OPERATION MANUAL**

Section 1.0	PREFACE	1
Section 2.0	INTRODUCTION	1
Section 3.0	SPECIFICATIONS	2
	3.1 Dimensions	2
	3.2 Services Required	2
	3.3 Equipment Supplied	2
	3.4 Equipment Not Supplied	2
Section 4.0	OPERATING PROCEDURES	3
	4.1 Model T Jr. Set-Up	3
	4.2 Filling the Model T Jr. Tank	3
	4.3 Model T Jr. Operation	4
Section 6.0	TROUBLESHOOTING	5
Section 7.0	PERIODIC MAINTENANCE	5
Section 8.0	REPLACEMENT PARTS	6

1.0 PREFACE

This manual has been written to present the basic set-up and operational characteristics of the Model T Jr. Foam Cleaning System.

Guidelines will be suggested as to the preferred method of installation. However, varying types of conditions and surrounding physical environments will dictate the actual set-up and operation of the Model T Jr.

The Model T Jr. Foam Cleaning System is a rugged, portable foam generating unit designed to operate on existing plant compressed air supply.

WARNING - NEVER TRY TO OPEN TANK HATCH WHILE THE TANK IS UNDER PRESSURE.

WARNING - ONLY USE APPROVED KLENZADE LIQUID FOAM CLEANING PRODUCTS.

WARNING - ALWAYS READ THE PRODUCT LABEL FOR USAGE INSTRUCTIONS, WARNINGS, AND/OR CAUTIONARY STATEMENTS.

WARNING - NEVER LEAVE THE TANK OR FOAMING HOSE PRESSURIZED.

WARNING - NEVER BE CLOSER THAN FOUR (4) FEET FROM THE SURFACE TO BE FOAMED WHILE OPERATING THE FOAMER.

WARNING - These set-up and servicing instructions are for use by qualified personnel only. The installation must be made in accordance with local plumbing codes.

2.0 INTRODUCTION

The Model T Jr. Foam Cleaning System is a rugged, portable foam generating unit designed to operate on existing plant compressed air supply.

The Model T Jr.'s simple construction provides minimal unit maintenance. It has an internal pressure loaded closure which prevents the pressurized tank from being opened. It is a portable unit and provides quick access to clean up areas.

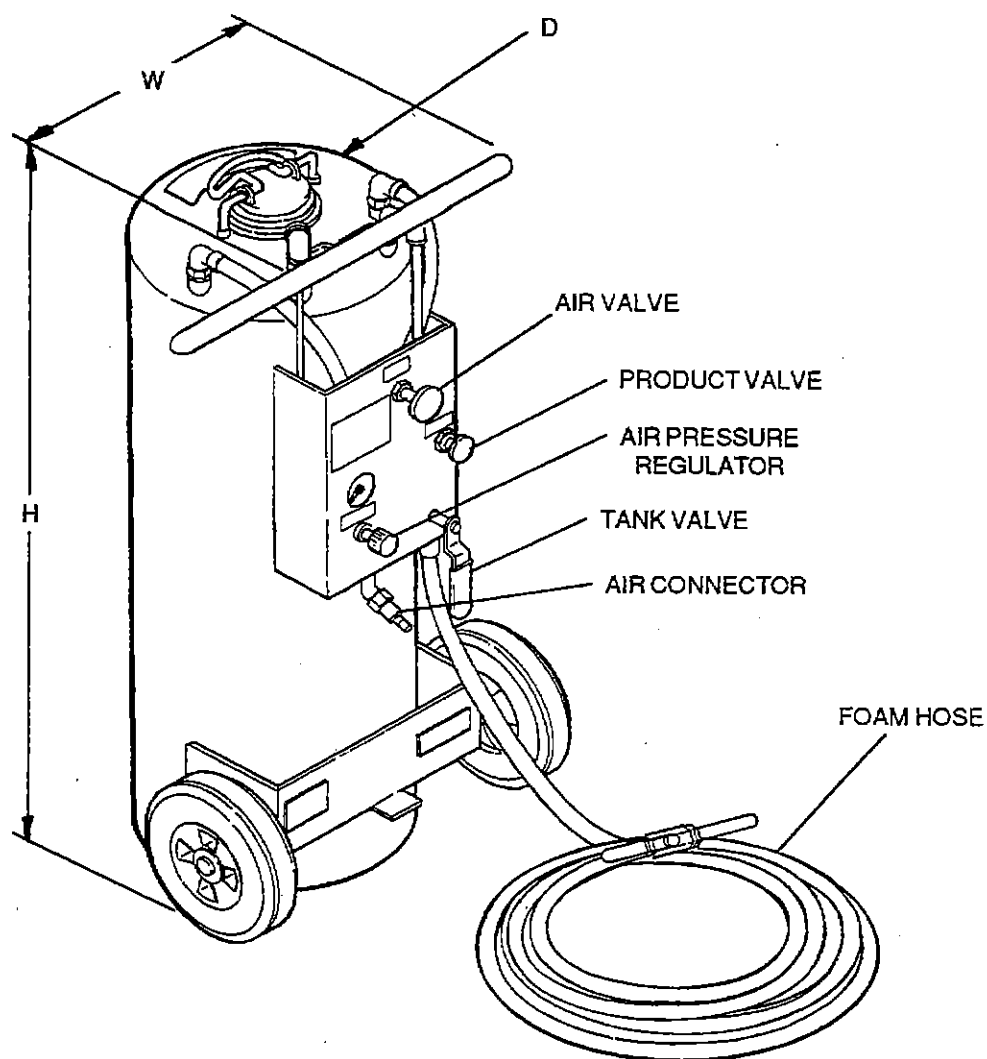
The Model T Jr. can be used with acid, alkaline, or chlorinated liquid detergents. The compressed air supply is the only utility requirement and the foam consistency can be adjusted.

The Model T Jr. is portable, has durable construction and is designed for cleaning meat/poultry food processing equipment.

It has an ASME approved pressure tank and safety release valve. It is constructed of corrosion resistant polymers and stainless steel.

The Model T Jr. controls are enclosed in a stainless steel box housing with built-in adjustments, check and safety relief valves.

3.0 SPECIFICATIONS



Model T Jr. Diagram

3.1 Dimensions

- Height (H): 42" (106.7 cm)
- Width (W): 17" (43.2 cm)
- Diameter (D): 12" (30.5 cm)
- Maximum tank pressure - 125psi (8.6 bars)
- Tank capacity - 15 gal. (56.7 liters)
- Empty tank weight - 68 lbs. (30.8 kg.)
- ASME approved tank and pressure relief valve.

3.2 Services Required

Plant compressed air 80 psi (5.5 bars) at 8 cfm.

3.3 Equipment Supplied

The Model T Jr. is supplied with a foaming hose which is 50' (15.2 meters) long, 5/8" (15.8 mm) I.D., 200 psi (13.8 bars) rated working pressure.

3.4 Equipment Not Supplied

Compressed air supply tubing for air input into the Model T Jr. is not supplied with the unit.

4.0 OPERATING PROCEDURES

WARNING - THESE INSTALLATION AND SERVICING INSTRUCTION ARE FOR USE BY QUALIFIED PERSONNEL.

WARNING - NEVER TRY TO OPEN TANK HATCH WHILE THE TANK IS UNDER PRESSURE.

WARNING - ONLY USE APPROVED KLENZADE LIQUID FOAM CLEANING PRODUCTS.

WARNING - ALWAYS READ THE PRODUCT LABEL FOR USAGE INSTRUCTIONS, WARNINGS, AND/OR CAUTIONARY STATEMENTS.

WARNING - NEVER LEAVE THE TANK OR FOAMING HOSE PRESSURIZED.

WARNING - NEVER BE CLOSER THAN FOUR (4) FEET FROM THE SURFACE TO BE FOAMED WHILE OPERATING THE FOAMER.

4.1 Model T Jr. Set-Up

1. Remove the Model T Jr. Foamer and hose assembly from the shipping crate.

NOTE - The Model T Jr. has start-up instructions and a warning label on the tank itself. Read the instructions and adjacent warnings on this label before attempting to start the system.

2. Connect the foam hose to the 1/2" (12.7 mm) coupling on the control panel close to the tank on/off valve, refer to Figure 1.
3. Read and follow the warnings on the instruction label.

4.2 Filling the Model T JR. Tank

1. Make sure the tank is not pressurized by opening the pressure relief valve, refer to Figure 2.
2. Open the tank hatch, refer to Figure 2.
3. Determine the amount of detergent and water needed for the application. [Tank-15 gallon (56.7 liters) capacity]
4. Add the appropriate amount of water first.
5. Add the detergent to the tank.
6. Close the hatch and pressure relief valve, refer to Figure 2.
7. Pressurize the tank by connecting the air supply line hose to the 1/4" (6.3 mm) industrial interchange quick disconnect nipple on the front control bracket (adjust the pressure regulator to 80 psi (5.5 bars), refer to Figure 3.

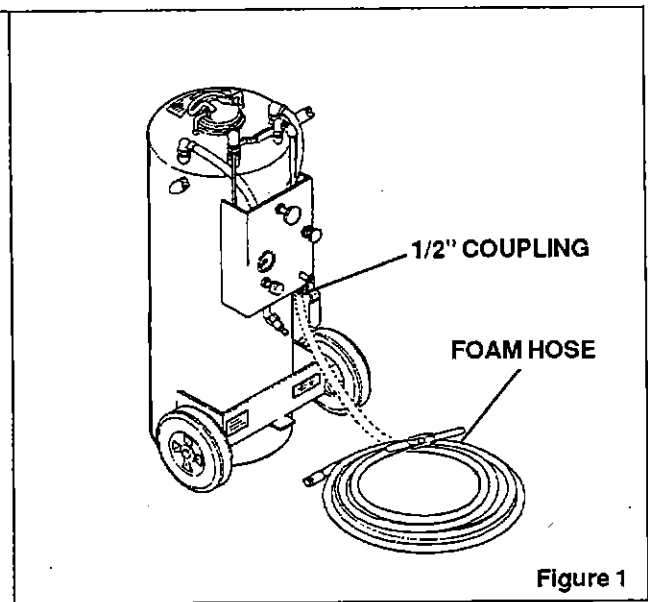


Figure 1

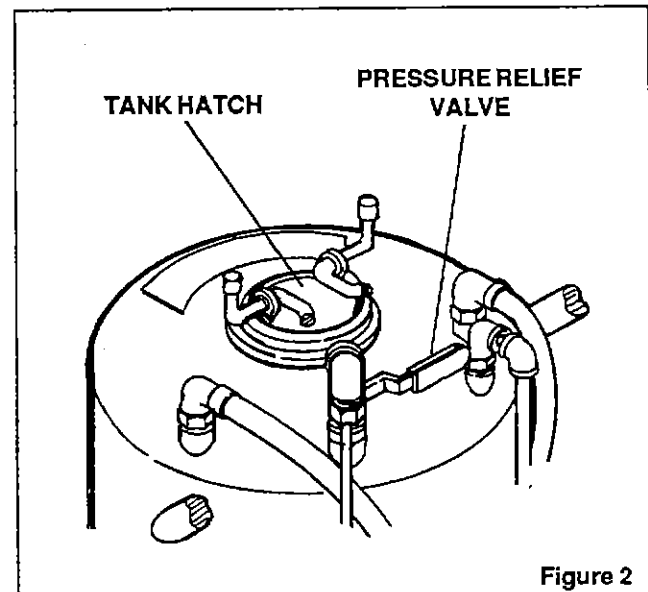


Figure 2

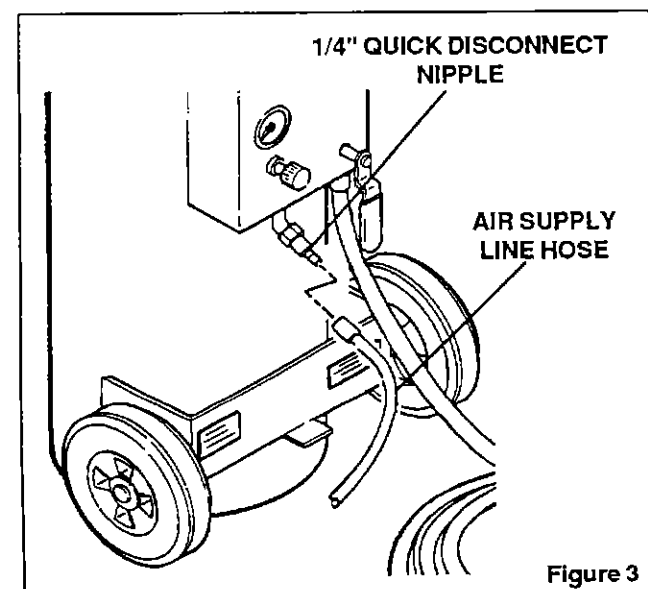


Figure 3

4.3 Model T Jr. Operation

1. Foam by opening the tank valve and then the nozzle valve, refer to Figure 4.
2. Foam consistency can be made wetter or dryer by adjusting the air and/or product needle valves, refer to Figure 4.
3. Relieve the tank and hose pressure when not in use by opening the pressure relief and hose valves, refer to Figure 4.
4. The product in the tank can be dumped by first relieving the tank pressure, opening the tank hatch and laying the tank down on its handle. Grasp and lift up on the bottom to drain product out of the tank hatch, refer to Figure 5.

PRESSURE RELIEF
VALVE

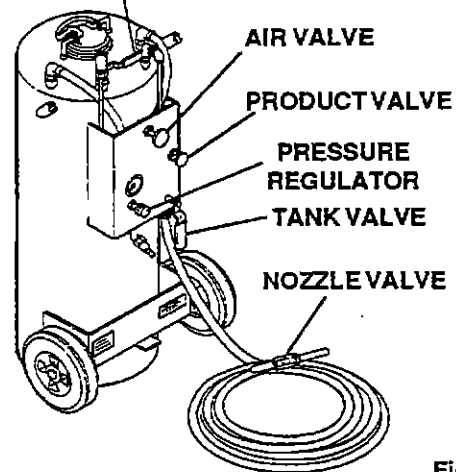


Figure 4

LIFT UP

OPEN TANK
HATCH

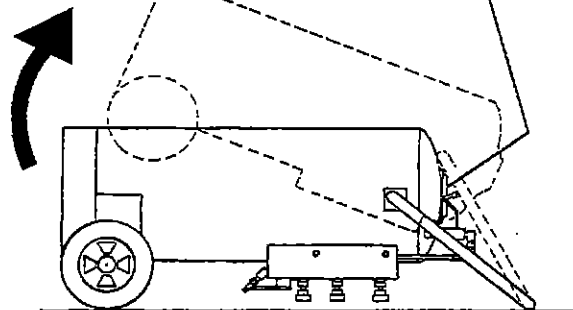


Figure 5

6.0 TROUBLESHOOTING

PROBLEM	CAUSE OR FAILURE MODE	ACTION
6.1 Model T Jr. system does not foam.	No foaming product in the tank. Tank is not pressurized. Tank valve or nozzle valve is not open. The air valve or product valve is not open.	Add foaming product to the tank. Pressurize the tank. Open the tank or nozzle valve. Open the air or product valve as necessary.
6.2 Foam consistency is too wet or too dry.	Air valve is improperly adjusted. Product valve is improperly adjusted.	Adjust the air valve. Adjust the product valve.

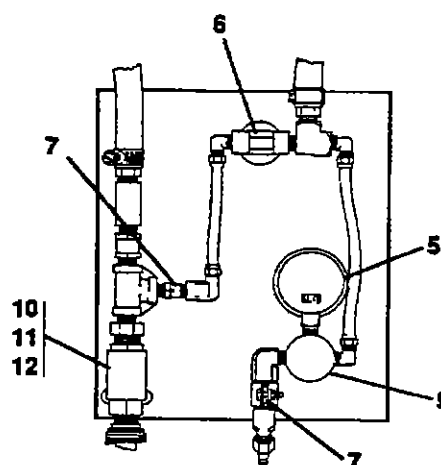
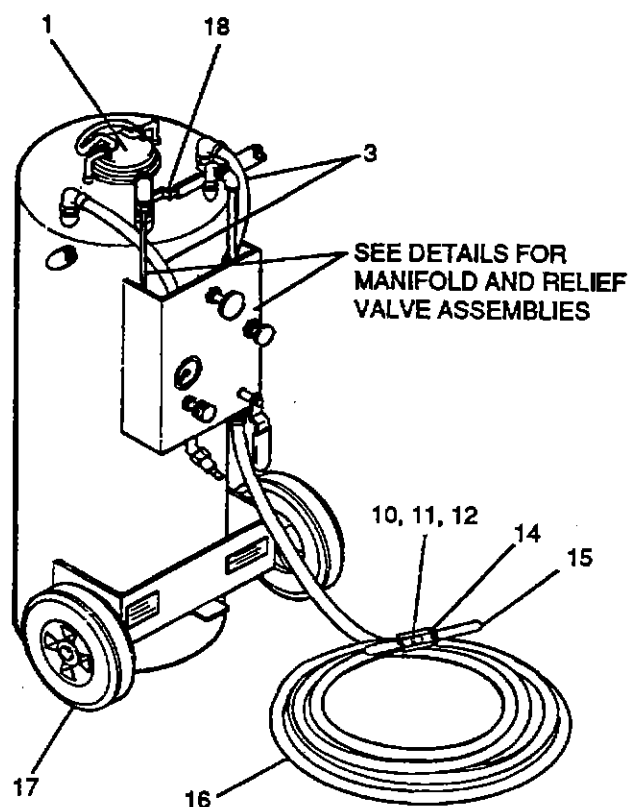
7.0 PERIODIC MAINTANCE

As conditions demand, foam output from the system should be observed and checked at each plant visit.

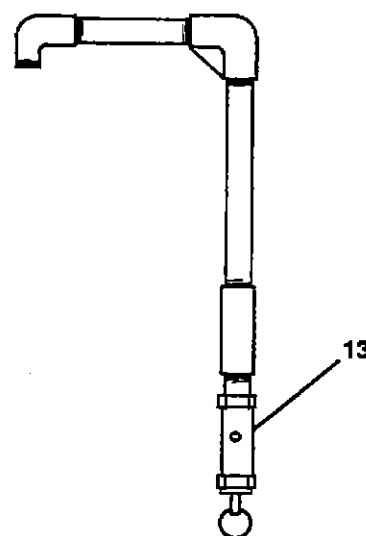
Observe the system for air or product leaks at each plant visit.

REPLACEMENT PARTS

MODEL T JR.



**MANIFOLD ASSEMBLY
(Back View)**



RELIEF VALVE ASSEMBLY

REF

NO.	PART NO.	DESCRIPTION
1	9488-2552	TANK FILLER LID
2	•8720-4962	TANK LID O-RING - VITON
3	8501-5311	EVA TUBING, 1/2" ID x 3/16" OD REIN- FORCED (Order by feet)
5	8539-0094	PRESSURE GAUGE PANEL MTD
6	8523-3021	1/4" MPT NEEDLE VALVE - SS
7	8524-3038	1/4" MPT CHECK VALVE - SS
8	•8523-0142	1/4" FPT NEEDLE VALVE
9	8420-0336	1/4" MPT PRESSURE REGULATOR
10	8525-3037	1/2" BALL VALVE (APOLLO)
11	8528-3026	HANDLE (APOLLO)
12	8842-0112	HANDLE NUT (APOLLO)

REF

NO.	PART NO.	DESCRIPTION
13	8522-5050	1/4" MPT RELIEF VALVE, 125 PSI SS
14	8614-3690	BUSHING, 1/2" x 1/4" 304 SS
15	9488-9169	FCS WAND PIPE THREADED
16	9488-1349	HOSE, 5/89" x 50' 1/2 x 1/2 MPT SS
17	8732-0008	WHEEL, 8" SEMI PNEUMATIC
18	8525-3003	BALL VALVE, 1/4" FPT SS
19	•9488-2750	INSTALLATION AND OPERATION MANUAL

• PART NOT SHOWN

SECTION:

FOAM SYSTEMS