



Foaming Tire & Engine Cleaner System

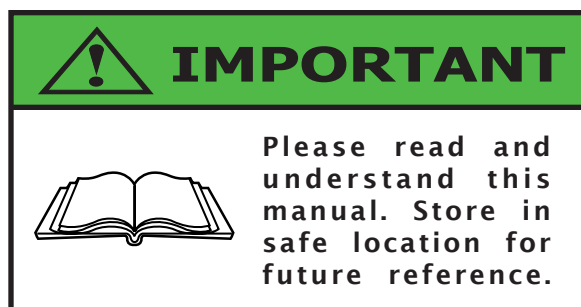
DUTC2 - DUTC8



Owner's Manual #0785 092116

Serial Number:

Installation Date:



Everyone who operates this unit should understand basic operations and safety precautions! The time you take to fully understand the proper installation, maintenance and use of the machine will prolong its service life, and assure you of trouble free operation.

When unpacking, check to make sure all the parts shown on the Parts Breakdown near the end of this manual are included. If any parts are missing or broken, please call Dultmeier Sales as soon as possible.

Consumers should notice that this manual may differ slightly from the actual product as more improvements are made to our products. Some of the pictures in this manual may differ slightly from the actual product as well. Dultmeier Sales reserves the right to update designs and / or change the specifications at any time without incurring any obligation to install them on units previously sold.

If you have any questions or suggestions about this manual, please contact us.

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To avoid serious or fatal personal injury or major property damage, read and follow all safety and operation instructions in the manual.



This is a **Safety Alert Symbol** -

When you see this symbol in the manual, look for the following signal words & be alert to the potential for personal injury or property damage.



Warns of potential hazards that **WILL** cause serious personal injury, death or property damage.



Warns of potential hazards that **CAN** cause serious personal injury, death or property damage.



Warns of potential hazards that **WILL** or **CAN** cause minor personal injury, death or property damage.



Indicates special instructions that **MUST** be followed but not related to hazards.

**This manual is intended to assist in the installation and operation of this unit.
Do not attempt to operate this unit without reading and understanding this manual.**

General Safety

To avoid the risk of serious bodily injury and property damage, read safety instructions carefully before installing this system. Follow all local and/or national plumbing and electrical codes when installing.



Do Not Allow System or Components to Freeze.

To do so may damage the system and will void the warranty.



Never Run the System Dry.

Running the unit dry (without fluid) can damage internal parts, overheat pump (which can cause burns to people handling or servicing the pump), and will void the warranty.



Risk of Electric Shock.

Keep the unit dry at all times -

Do not wash the motor or electrical panel or allow the unit to sit in standing water.

Use only Ground Fault Circuit Interrupter (GFCI) protected grounded outlet for the cord plug. If you must use an extension cord, use only UL approved indoor/outdoor, 3-wire, grounding type cords. The cord must be rated to support amp draw. Do not allow any part of cord or receptacle ends to sit in water.

To avoid fatal shocks, proceed as follows if service is needed:

- A. Turn off water to the system.
- B. Disconnect the power at main electrical service before unplugging the unit.
- C. Ground the electrical outlet box.
- D. Take extreme care when changing fuses.



Do not run the unit with discharge shut off, as hose may burst or damage may occur.



Modern motors can operate at high temperatures. To avoid burns when servicing pump, allow it to cool for 20 minutes after shutdown before handling.

Tire Cleaner System Specifications

Model(s)	DUTC_
Style	Centrifugal Pump
Motor	3/4 HP, 1 PH
Pump	EA70-17DE
Capacity	17 GPM*
PSI	30*
Dimensions	Approx. 50"H x 32"W x 14"D
Shipping Weight	Approx. 85 lbs.

* Rates based on unrestricted pump outlet. Not through solenoid, bay hose, etc.

System Features

Easily adapts to existing wash equipment. Simply splice into your high pressure discharge lines & tire cleaner product can be applied through a standard spray gun. All fittings and tubing are supplied for chemical and air lines. These systems are designed to "Foam" the tire cleaner product onto the surface of the tire. An air compressor is required but is not included with these units. All Tire & Engine Cleaner Systems are Pre-Wired, Pre-Plumbed and tested prior to shipment.

Standard Components Include:

Stainless Steel Close-coupled Centrifugal Transfer Pump
Turtle Wax Start-Up Chemicals/Whitewall Cleaner
 Stainless Steel Automatic Mixing Tank with Hydrominder Valve
 Automatic Stainless Steel Holding Tank
 Hydrominder Mixing Valve
 Stainless Steel Solenoids with Metering Screws
 Pre-Wired Electrical Panel
 Stainless Steel Support Frame with Leveler Legs
 High Pressure Stainless Steel Check Valves for each bay
 Foam Modules for each bay
 Bay Instruction Signs
 Stainless Steel Wall Booms
 All necessary Tubing and Fittings

Placement

1. Place system where it will be easily accessible for service. To level the unit: Screw the threaded feet provided into the female threads on the bottom of each stand leg. (Fig. 1)



figure 1

Electrical

1. Electrician to run 2 wire 18 gauge stranded wire cable from Tire Cleaner and Common Terminals in Electrical Panel of each Pump Station to Terminal Block in Electrical Panel for Tire Cleaner System.
2. Electrician to size 110 volt circuit requirement to amperage information on motor nameplate. Plug unit into standard of GFI receptacle as dictated by local regulations.



Follow all local codes for proper fittings, conduit, and wire sizing.

Plumbing

1. Run city pressure line to 3/4" inlet on tank assembly with the hose and fittings provided. (Fig. 2)
2. Place manifolds provided as close as possible to high pressure booms. Manifolds must tee into high pressure run lines from Pump Stations.
3. Run 1/4" tubing provided from air and chemical solenoids for each bay to manifolds. (Fig. 3)
4. Run air supply line to inlet of air regulator.



2 CFM is required.



It is recommended that soft water supply is used if available.



Water supply pressure should not exceed 60 PSI. Plumber to supply pressure regulator if required.

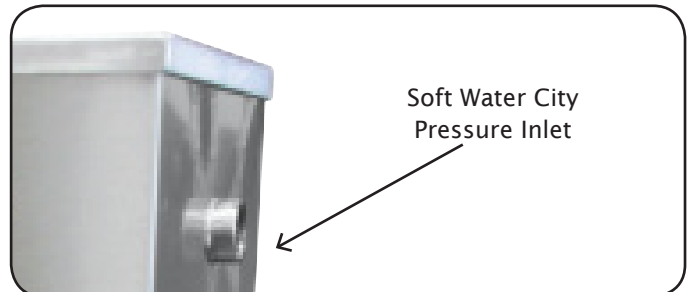


figure 2

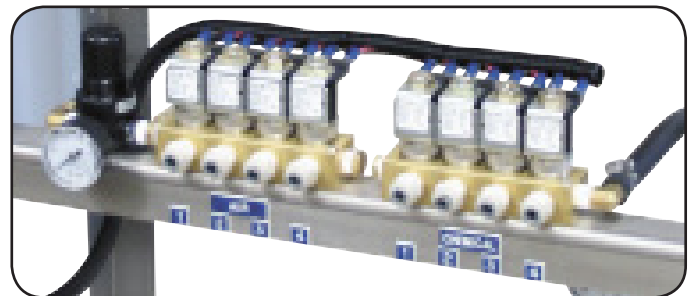


figure 3

Chemical Setup

1. Select the proper mix tip for chemical and screw into chemical inlet port on Hydrominder. **(Fig. 4)**

Consult Hydrominder instructions and chemical product label for further dilution information.

2. Attach chemical pickup tubing to chemical inlet port on Hydrominder and place other end with foot valve strainer and weight into bulk soap container.
3. Fill tank to 2/3 capacity. Level is set by changing the length of the chain for the float.

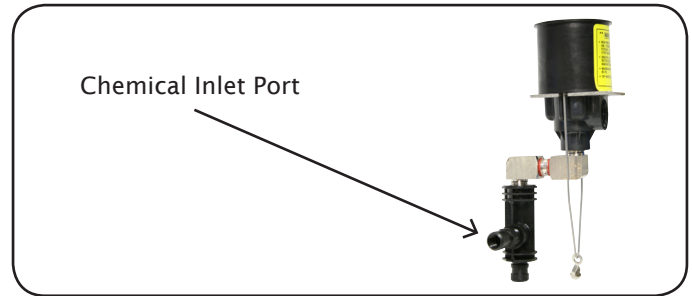


figure 4

Testing & Operation

1. Open ball valve on discharge of tank and turn on power to motor. This system was designed with isolating relays for each bay to power main relay for pump motor.
2. Turn the menu switch in first bay to Tire Cleaner and ensure that chemical appears in bay.
3. Air pressure is set at factory. If regulation is needed, turn handle on air regulator clockwise for more pressure, and counterclockwise for less pressure. **(Fig. 5)**

Refer to Chemical Setup section above if Foam is not adequate.

4. Check for proper flow in all bays.

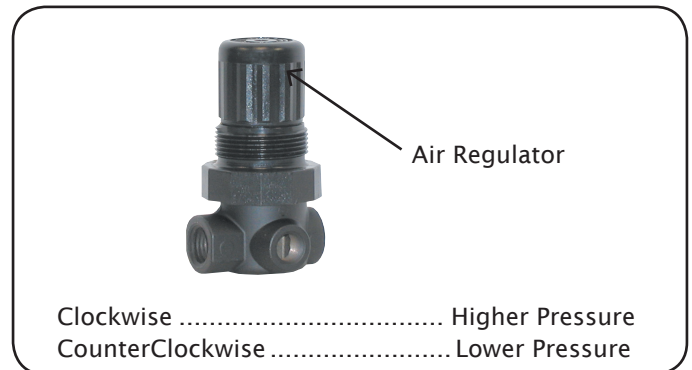


figure 5



Pump pressure is set at factory with no regulation required.

Parts Breakdown: DUTC4



Item	Part Number	Description
1	HR507	Hydrominder
2	SM3306-305	Ball Valve, Brass 3/4"
3	SM687-12E	Check Valve, 3/4"
4	IPFY34	Y-Line Strainer
5	EA70-17DE	Pump/Motor Unit :: 3/4 HP, 1 PH
6	AHJ508	100# Air Pressure Gauge
7	PA14R113FC	Air Regulator
8	KI2X911VM4	Air & Chemical Solenoids
	KI2X911-24	Replacement Plunger (Not Shown)
9	AH1DP100	100# Fluid Pressure Gauge
	AA7450	High Pressure Check Valve (In Bay Manifold - Not Shown)
	GE1CV-250	Low Pressure Check Valve (In Bay Manifold - Not Shown)
	TUEQ383	Holding Tank w/ Lid, 15 gallon (Not Shown)
10	TUHP78-5	Self-Serve Whitewall Cleaner, 5 gallon Box



Notice Regarding Manufacturer's Limited Warranty

Dultmeier Sales Limited Liability Company (hereinafter Dultmeier), notifies you that component part(s) carry a manufacturer's limited warranty provided by the manufacturer of said component part(s). These warranties do not pertain to normal wear of component part(s) that may occur within any specified period. While Dultmeier is not the manufacturer of any of the component part(s), Dultmeier will assist you in processing any and all manufacturer's warranty claim if applicable and available. Any and all manufacturer's claims must be submitted in writing to the manufacturer within the warranty periods provided by the manufacturer.

Defective component part(s) that are to be considered for manufacturer's limited warranty must be returned to the manufacturer by prepaid shipment with the applicable manufacturer's limited warranty period. If the component part(s) are deemed to be defective under the manufacturer's warranty, Dultmeier will assist in obtaining a replacement or repair of the component part(s). Said component part(s) will be returned F.O.B. Omaha, Nebraska. Replacement or repair shall be the exclusive remedy for any breach of warranty. Labor for installation, either with respect to original or replacement part or components, is not covered under the manufacturer's limited warranty.

Neither the manufacturer nor Dultmeier warrants loss of income or consequential damages for injury or commercial loss resulting from any breach of warranty or warranties stated above.

The manufacturer's limited warranty as stated does not apply to component part(s) which have been improperly installed, misused, altered, neglected, abused or not installed, adjusted, maintained, or used in accordance with applicable codes and ordinances and in accordance with the manufacturer's specifications as to such factors.

Notwithstanding Dultmeier's willingness to assist in the processing of the manufacturer's limited warranty, Dultmeier makes no warranty against infringement of the like, makes no warranty of merchantability, makes no warranty of fitness for a particular purpose, and makes no other warranty, express or implied, including implied warranty arising from the course of dealing or usage of trade.

Compliance with all local, state and federal codes regarding the installation and operation of said equipment, parts and components shall be the responsibility of the purchaser. The rights and obligations of the parties shall be governed by the laws of the State of Nebraska.