



1. INSTALLATION

1.1. TruckMaster® Pro Series ETP-500

1. General Information

The TruckMaster® "Air-System" Filter is simple to install and the unit includes a mounting bracket and bolts. The best results and highest efficiency are achieved when the compressed air inlet temperature is at its lowest. It is therefore necessary that the suitable installation point for the TruckMaster® Filter is **after** the wet tank reservoir.

NOTE

For vehicles supplied without a wet tank it is critical that a suitable wet tank (with pressure relief valve) is fitted to assist in cooling the compressed air and to conform to International Air Preparation and ISO standards. Refer Figure 1.

2. Positioning the Unit on the Vehicle

- a) TruckMaster® should be installed directly **after** the wet tank reservoir.
- b) Position TruckMaster® in an area that will allow you access for servicing. Approx. 305mm clearance is required to unscrew the bowl.
- c) Position TruckMaster® where there is good air circulation. Eg. No direct heat from exhaust stack or heat generating equipment. Be sure it is mounted vertically.

WARNING

DO NOT RESTRICT THE EXHAUST PORTS OF DUMPMASTER® DRAIN VALVES. IF A CONTAMINATION DEFLECTOR IS REQUIRED USE A 3/8" (10MM) ELBOW WITH 1/2" (13MM) TUBE.

3. Connecting the TruckMaster® Filter

- a) The main air pipe coming from the wet tank reservoir to the inlet port of the TruckMaster® Filter and from the outlet should be 1/2" I.D (13mm) air brake nylon tubing to suit 1/2" NPT fittings.

4. Connecting the DumpMaster® Electronic EXT-50 Drain Valve of Filter

- a) Connect an air line to 1/8" NPT Pressure Port (P) of the DumpMaster® Drain Valve using 1/4" (6mm) nylon tubing.
- b) Connect the other end of the nylon tubing to the top of an air reservoir tank fitted **after** the filter (not the wet tank or the primary tank).
- c) Connect the brown wire (Positive) to ignition with a two (2) amp fuse between power and the DumpMaster® Drain Valve's solenoid assembly.
- d) Connect the blue wire (Negative) to the chassis.
- e) If a contamination deflector is required use a 3/8" (10mm) elbow with 1/2" (13mm) tube. Do not restrict the exhaust ports of DumpMaster® Drain Valve.

NOTE

The DumpMaster® electronic EXT-50 Drain Valve is fitted with an Auxillary Port (A). This port is used to actuate the DumpMaster® Automatic XD-30 Drain Valve when fitted to the Wet Tank. Constant air pressure must be connected to the Pressure Port (P). The Auxiliary Port (A) must be plugged or connected to the DumpMaster® XD-30 Drain Valve for it to actuate.

5. Connecting the DumpMaster® Automatic XD-30 Drain Valve (Series ETP-500 Filter System Only)

- a) Remove the manual drain and install an DumpMaster® automatic XD-30 Drain Valve with 1/4" NPT nipple which is supplied with the DumpMaster® Drain Valve.
- b) Connect a 1/4" (6mm) nylon tube to 1/8" NPT Actuator Port of the DumpMaster® Automatic XD-30 Drain Valve and to Auxiliary Port (A) of the DumpMaster® Electronic EXT-50 Drain Valve.

NOTE

Where ground clearance is critical, fit the DumpMaster® automatic XD-30 Drain Valve to a remote position on the chassis above the wet tank. An optional mounting bracket (XD-17) is supplied as part of the assembly. Remove the 1/4" Hex nipple from the DumpMaster® automatic XD-30 Drain Valve and fit it to the wet tank drain port. Connect 1/2" (13mm) nylon tubing between Hex nipple and Automatic XD-30 using suitable compression fittings.

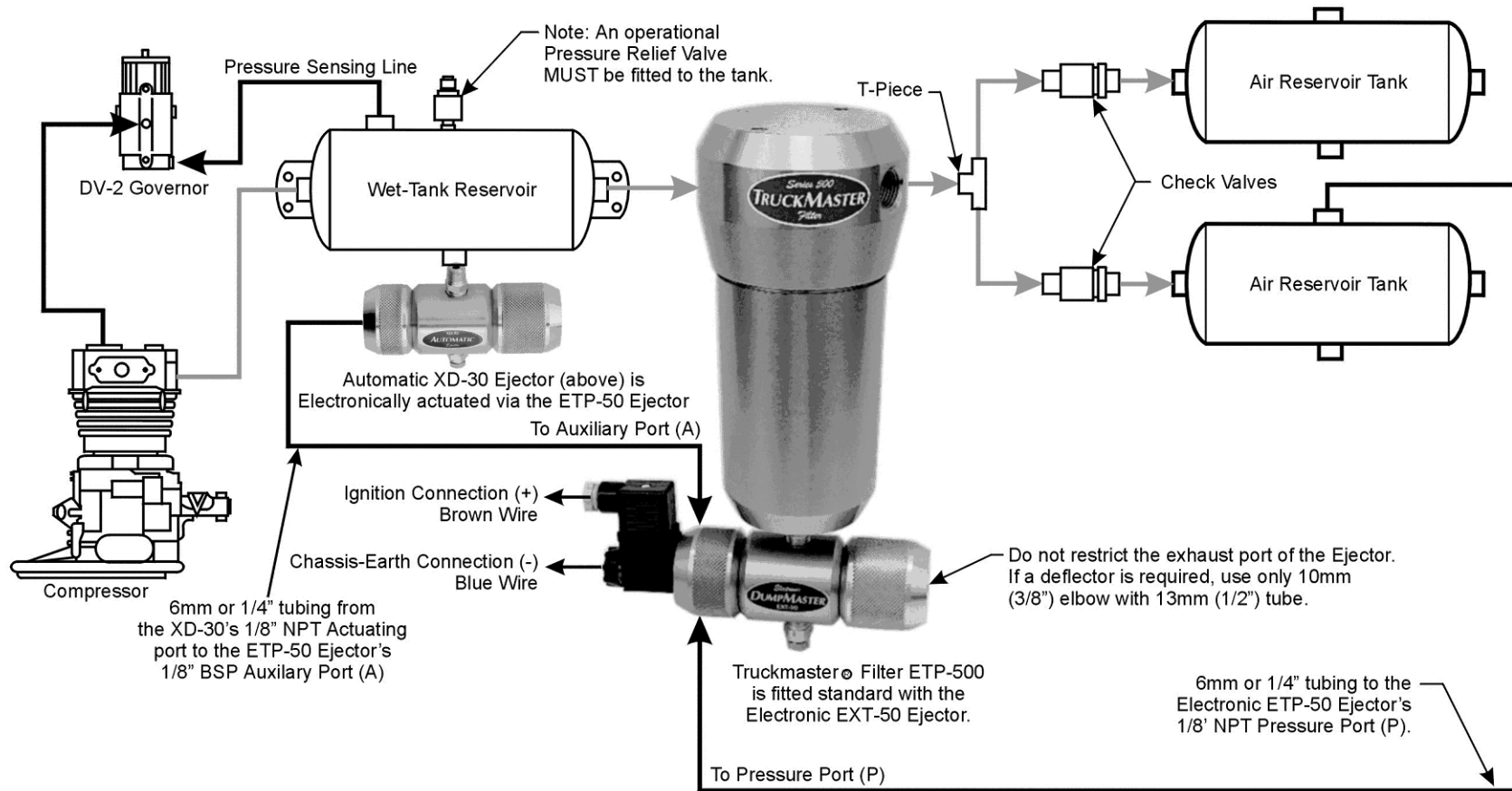
6. Test Operation

- a) Start the engine and build up air pressure.
- b) Confirm that an automatic discharge occurs from the DumpMaster® Drain Valve within 6 to 10 minutes.
- c) Refer to the Troubleshooting section if the unit fails to operate correctly.

INSTALLATION SCHEMATIC

TRUCKMASTER® PRO SERIES ETP-500

Shown: Model ETP-500 Electronic TruckMaster® Filter. Addition of Automatic XD-30 Ejector for Controlled Draining of wet-tank reservoir, upgrades TruckMaster® System to pro Series Model ETP-500.



NOTE:

Keep the electronic solenoid assembly away from direct water contact of high pressure cleaning devices. Warranty may be voided.

Figure 1 Model ETP-500 Installation Schematics

1.2. European Installation