



OPERATIONS GUIDE-TDM DRYAIR 250

1. Unit is sized for 250cfm @ max 200psi. Optimal performance will be achieved at operating pressures above 90psi.
2. Connect unit to portable battery using either the alligator clip or ring terminal adaptors which are supplied with the unit. Make sure polarity is correct to have DC fan move air through the heat exchanger toward the fan motor. Route power cord up through the bottom of the compressor to the battery being careful not to pinch or chafe wires.
3. The integral pressure switch will keep the fan from operating until the unit is pressurized.
4. The air inlet connection is at the top of the cooler, marked on the top rail.
5. The outlet ball valve is located downstream from the water separator and filter and is also marked on the top rail.
6. Close the ball valve on the unit when first pressurizing to allow the pressure to equalize around the filter element. When the unit is pressurized open gradually to fill hose.
7. **Slightly open the manual drain on both the separator and filter to allow water to drain during operation. These drain valves are marked with green tags.**
8. Condensate can be captured in some type of collection tray, not provided in DryAIR package, or piped away into a collection container depending on individual job site requirements.
9. **The brass low point drain, marked with a red tag, should remain closed during normal operation. This valve is intended to be used to prevent freeze ups in cold temperatures or otherwise drain the unit after use.**

UNIT SPECIFICATIONS

250FS (Free Standing)

WEIGHT: 80 LBS.
WIDTH: 24"
DEPTH: 19"
HEIGHT: 32"
FAN AMPS: 12V 19.4 AMPS/24V 9.7 AMPS
FUSE: 30 AMPS

250UTM (Universal Tongue Mount)

WEIGHT: 65 LBS
WIDTH: 30"
DEPTH: 14"
HEIGHT: 30"
FAN AMPS: 12V 19.4 AMPS/24V 9.7 AMPS
FUSE: 30 AMPS

To install tongue mounted units simply straddle unit securely over the tongue and attach clamp with U bolts.

How it works:

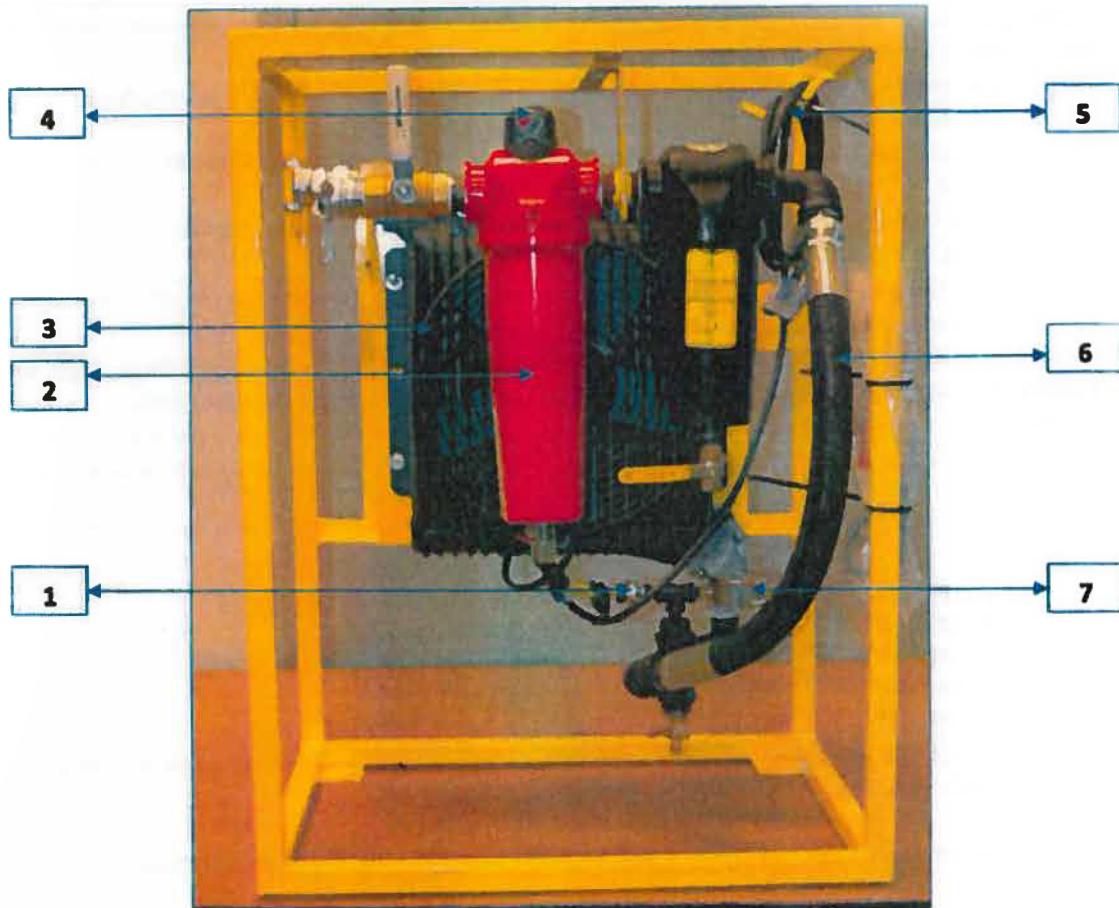
TDM DryAIR aftercoolers are air to air heat exchangers that remove the heat of compression from portable air compressor discharge air. In this process moisture is condensed and collected in a cyclone separator to be drained from the compressed air stream. If the unit is equipped with an optional coalescing filter, further polishing is accomplished by trapping oil, in the form of aerosols, which are drained as well. ***Note: The filter element in the coalescing filter rarely, if ever, will require replacement due to its location in the system. The "service indicator" on the filter will alert you if necessary.**

What it will NOT do:

TDM DryAIR aftercoolers in themselves will NOT produce breathing air. They are the first step in the process but need additional components to assure breathing air quality and monitoring.

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DryAIR



Replacement Parts List

1	Pressure Switch	N/O, set @12 psi, (2) spade connector
2	Filter Element	Filters to 1 micron, coalescing
3	DC fan motor	12 Volt, optional 24 Volt
3	Cooler, complete with DC fan motor	12 Volt, optional 24 Volt
4	Pressure Differential Gauge	standard
5	Wiring Harness	with alligator clips or terminal rings
6	Flexible Discharge Hose	1" high pressure
7	Liquid filled Pressure Gauge	1/4 bottom mount, 0 to 200 psi