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# 85152 Inlet Air Assembly VMax

### Applicable Boiler Models

- VM110, VM110P (pre s/n 95975)

### Kit Contents:

- Inlet air assembly
- Instructions

### Tools Required

- 5/16" nut driver

### Replacement Instructions

- 1) Turn off power to the boiler.
- 2) Loosen the MJ Coupling from the old air intake.
- 3) Remove old air intake assembly from MJ coupling and bottom of fresh air intake adapter.
- 4) Install the new fresh air intake assembly in reverse order.
- 5) Do a combustion analysis on boiler after new intake is installed.



### Line Pressure and Combustion Parameters:

Gas	Line Pressure (inches wc)			CO <sub>2</sub> (%)*		CO (ppm)
	Nominal/Desired	Min.	Max.	Min.	Max.	Max.*
Natural	7	4	10.5	9.0	9.8	175
Propane	11	8	13	10.5	11.5	175

\*Note: Observe the combustion products with the burner operating at the maximum modulation rate, CO<sub>2</sub> and CO values will be lower at minimum modulation rate.



**Carbon Monoxide** - Never leave the unit operating while producing Carbon Monoxide (CO) concentrations in excess of 175ppm. Failure to follow this warning may result in serious or death.



Adjustments to the Throttle/Input Screw may only be made by a qualified gas technician, while using a calibrated

combustion analyzer capable of measuring CO<sub>2</sub> and CO. Adjustments may only be performed if the gas line pressure is maintained above minimum levels throughout the duration of the test, see Table 9-1. Failure to follow these instructions may result in serious injury or death.

