

ESI FIELD GUIDE; NEGATIVE PRESSURE VACUUM SYSTEM

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GENERAL NOTES

- *A negative pressure system is a infrared heating system where the heat is pulled through hot pipe via a vacuum pump
- *Negative pressure systems ability to run properly is based on the level of air pull the vacuum pump can provide.
- *The vacuum of the system is affected by; loose couplings, dirty filters, torn boots weak motors and damaged venting.

MAINTENANCE

- *To maintain efficiency it is recommended to check for things like torn boots, dirty filters, damaged venting and loose couplings
- *filters should be replaced every 6 months depending on application.
- *vacuum should be tested every year to maintain efficiency and to test for any potential problems in the system.

TESTING VACUUM PUMP

FIRST - Allow the system to warm up 30 mins before testing vacuum.

SECOND - Test using a Manometer(P/n; ESI3002) please refer to fig.1

THIRD - Referring to fig. 2 place the tube of the Manometer in the test point

FORTH - Look at the Manometer for your inches of water column. you want it to be between 2.25 and 3.25 with a PREFERRED 2.5 to 3.0 inches of water column (please refer to fig. 1)

FIFTH - Make adjustments as needed at the indicated adjustment points in figs 3 & 4.

SIXTH - Repeat steps 2 through 5 until deired water column of 2.5 to 3.0 inches is reached.

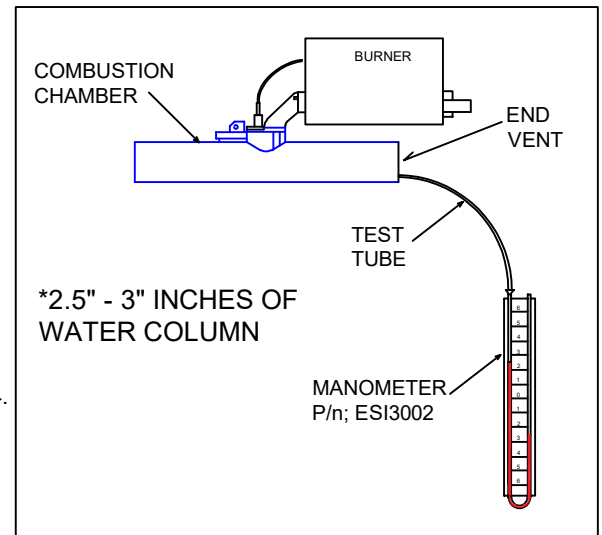


FIG. 1

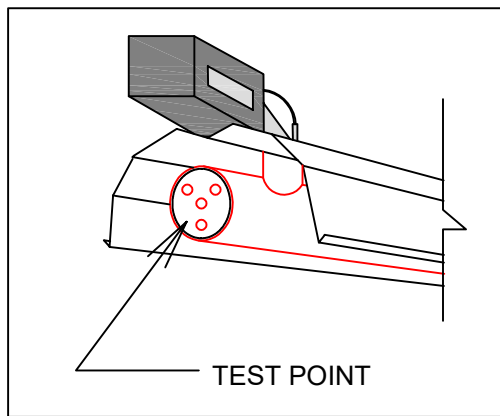


FIG. 2

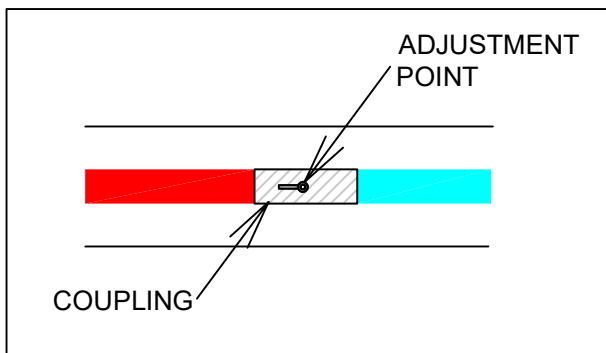


FIG. 3

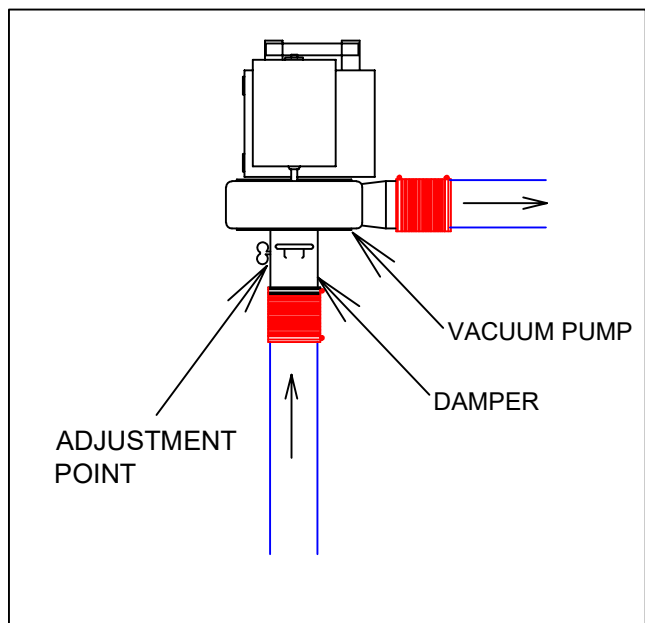


FIG. 4