NOTES:

1.0 INPUT REQUIREMENTS

- 1.1. THIS UNIT IS DESIGNED TO MEASURE A MAXIMUM MASS AIRFLOW RATE OF 260 G/SEC.
- 1.2 THIS UNIT IS TO BE MOUNTED IN LINE WITH ENGINE AIR INDUCTION SYSTEM DOWN STREAM OF AIR CLEANER ASSEMBLY.
- 1.3 THE FLOW SHALL BE IN THE DIRECTION AS SHOWN AND SHALL ENTER THE TUBE WITH A SYMETRICALLY DISTRIBUTED VELOCITY PROFILE.
- 1.4 IGNITION VOLTAGE APPLIED SHALL BE BETWEEN 11 AND 15 VOLTS: THE SENSOR SHALL NOT ORAW MORE: THAN 1.4 AMPS AT 13.8 VOLTS APPLIED.

2.0 DESIGN PERFORMANCE REQUIREMENTS

- 2.1 WITH A 1.0 x/LOAD RESISTOR FROM TERMINAL 9
 TO A'S V SUPPLY, THE VOLTAGE ON TERMINAL 8
 SHALL SWITCH FROM LESS THAN 0.5 VOLTS
 TO GREATER THAN 4.5 VOLTS AT A PREQUENCY
 INDICATED IN THE CHART SHOWN IN 2.2 BELOW.
- 2.2 THE FREQUENCY RANGE GENERATED BY A GIVEN UNIT AT 20°C x5°C, RELATIVE HUMIDITY OF SOT x10% AND IGNITION VOLTAGE OF 14.0 V z0.2 V AND USING TEST SET UP PER \$3-1670, FIG. 5, IS AS FOLLOWS:

	© POTTED DATA		
	FLOW G/SEC.	FREQUENCY	RANGE (HZ)
1	260.0:	135. 26 -	139.78 HZ
2	150.0		119.16 HZ.
3	20.0	57.09~	58.77 HZ
4	5.0	38.77~	34.63 MZ

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- 2.3 THIS UNIT MUST CONFORM TO ES-1670

3.0 DUTPUT CHARACTERISTICS

3.1 THE NOMINAL FREQUENCY GENERATED BY A GIVEN UNIT AT 20° C ±5° C, RELATIVE HUMIDITY OF SOI 210% AND IGNITION VOLTAGE OF 14.0 V 20.2 V AND USING TEST SET UP PER E3-1670, FIG. 3, 15 A5 FOLLOWS:

POTTED DATA FLOW GISEC FREQUENCY (HZ) 137.02 260.0 240,0 130, 71 200,0 127,36 180.0 117,90 150.0 140.0 115,73 9 120.0 111.01 10 100.0 105,61 30.0 90,89 85.37 40.0 78, 27 69,07 30.0 16 20.0 57,93 52.70 18 47 , 13 50 13 3.5 24 25 30 32 36 37 38 39 40 44

(3)