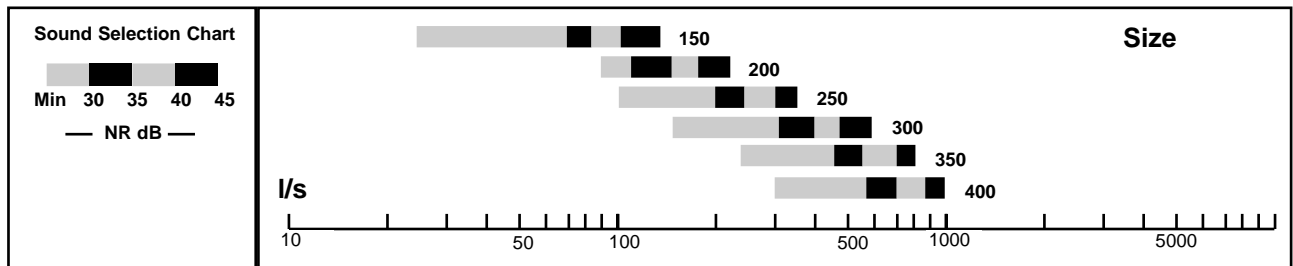




Selection Guide



Ordering procedure

Using the chart below, select your requirements and substitute the underscored text below **Type..X**

Example: If your requirement is for a 200mm diameter end-line measurer, and you wish to measure through the face of the grille, the ordering code would be: **AMC200** (When ordering it is not necessary to include the periods [..])

Product Size Numbers											
"Type"	"X" Size										Colour
AMC	125										
AME	150										
	200										
	250										
	300										
	350										
	400										
	450										
Special											

4.11

AMU

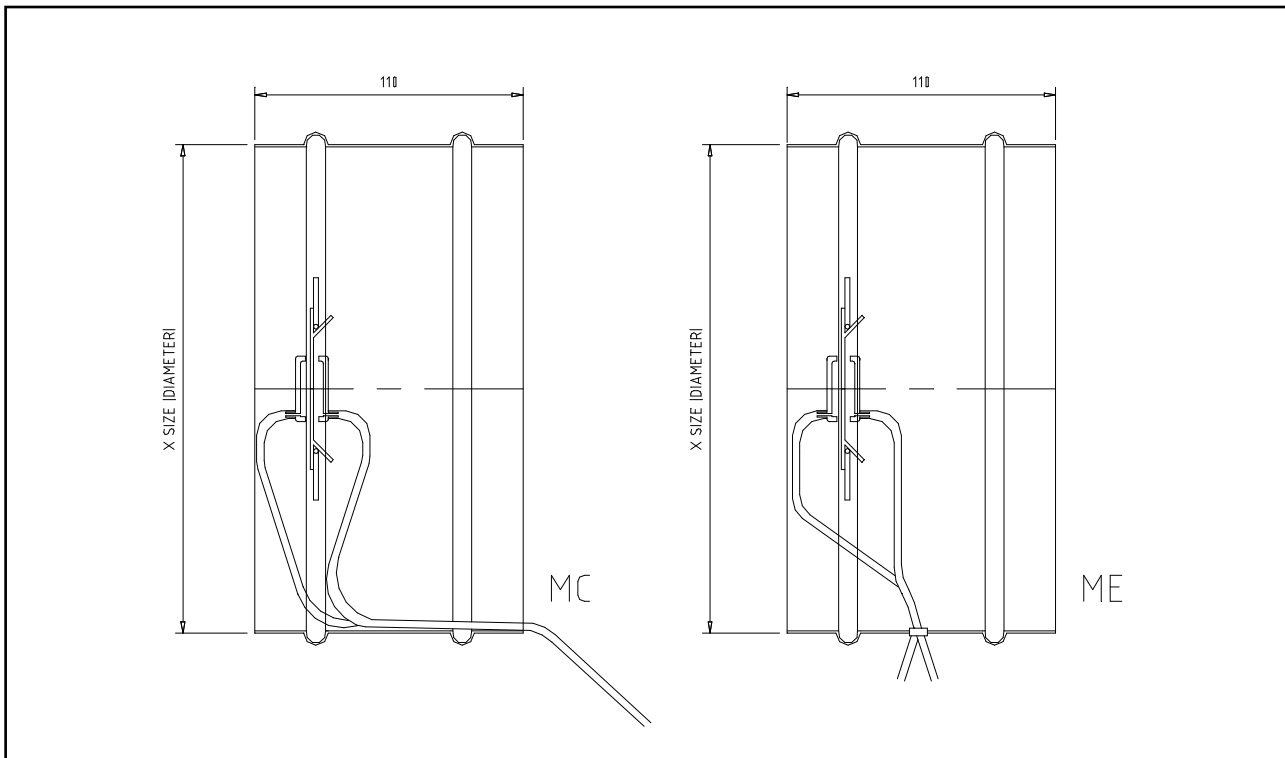
END-LINE DUCT MEASURER



Description

The end-line measurer is a fixed air measuring device for mounting in circular ductwork. It provides a very simple and highly accurate method of measuring the air flow.

The air flow rate is determined by measurement of the differential pressure across the mid mounted sensor then cross referenced to the diameter of the end-line measurer.



Sound data

NR levels for the diffuser may be determined from the engineering graph.

Sound power level L_w

The generated sound power level L_w dB is calculated by adding the correction factor K_{ok} (see table below) to the sound level NR dB according to the formula:

$$L_w = NR + K_{ok}$$

Size	Frequency (cycles per second Hz)						
	125	250	500	1000	2000	4000	8000
125	+15	+9	+1	-6	-13	-21	-28
150	+15	+6	-3	-9	-13	-20	-29
175	+15	+6	-2	-6	-11	-18	-27
200	+17	+7	+1	-3	-6	-13	-21
225	+17	+7	0	-4	-6	-13	-19
250	+17	+6	-1	-5	-7	-13	-19
300	+17	+6	-2	-5	-9	-15	-25
350	+17	+7	-1	-3	-7	-14	-22
400	+17	+5	+1	-1	-5	-14	-21
450	+16	+5	0	-1	-4	-13	-20
Tol +/-	2	2	2	2	2	2	2



END-LINE DUCT MEASURER

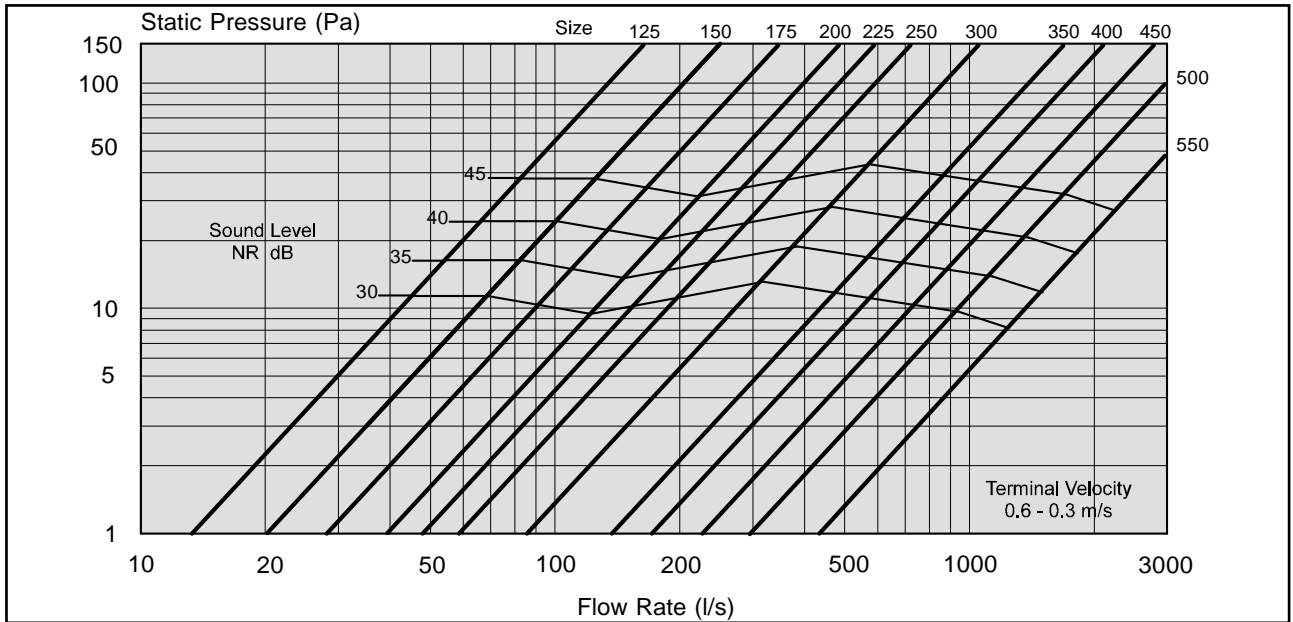
4.11

AMU

Engineering graphs

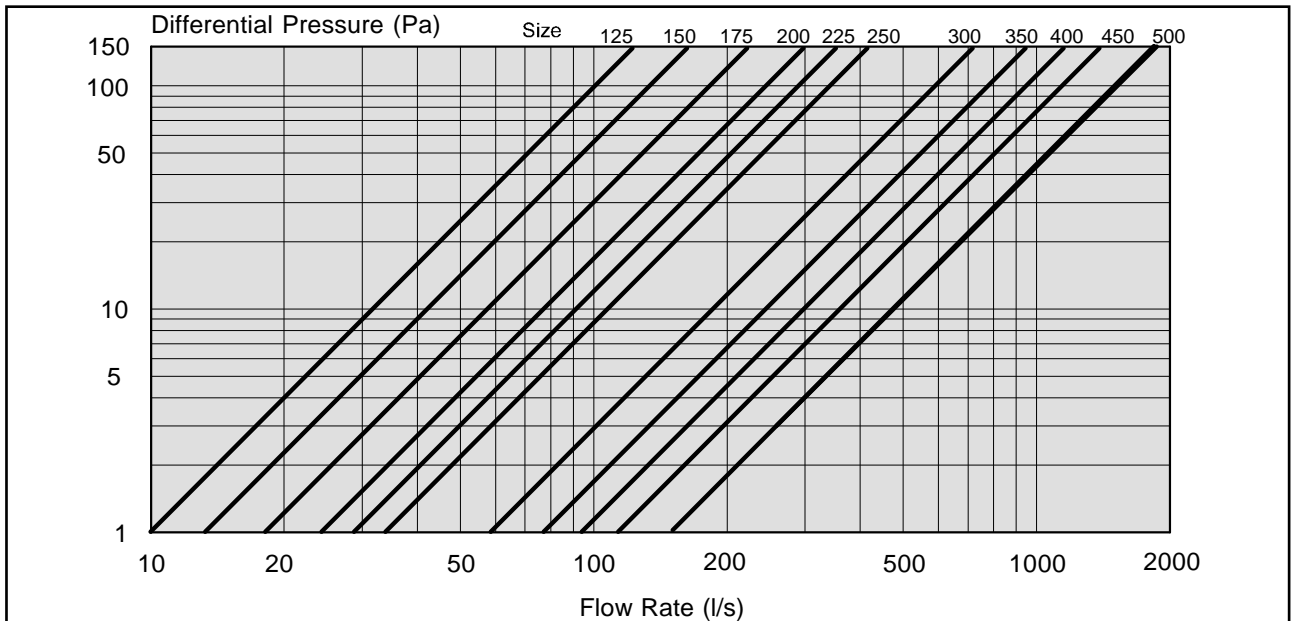
The performance data graph is not to be used for balancing.

Performance data



These graphs are for selection only and should not be used for commissioning

Balancing graph



Example:

If the measured differential pressure was 45 Pa and the size of the measurer 175mm diameter, the flow rate would be approximately 120 l/s