

MRA1 Semi Residential **25dB(A)** Attenuation
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Reactive/Absorptive Exhaust Gas Silencer with or without Spark Arrester

The MRA1 and MAA1 range of combination silencers are a medium attenuation design recommended for use where equipment must operate with a reduced noise level. Highly efficient and of advanced acoustical design, they are suitable for the exhausts of all two-stroke and four-stroke internal combustion engines, compressors and blowers.

The units can be mounted vertically, horizontally or inclined, without affecting efficiency.

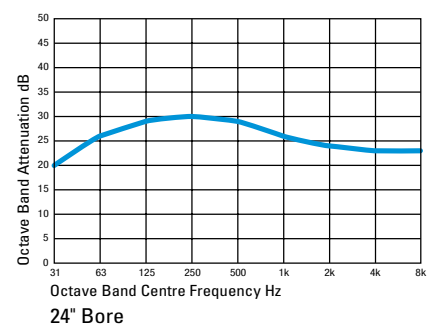
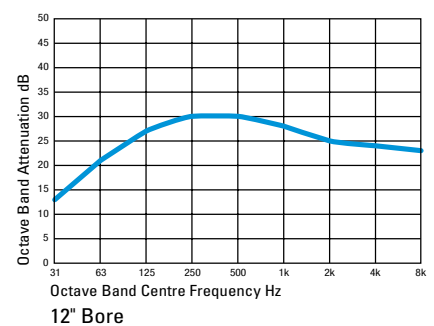
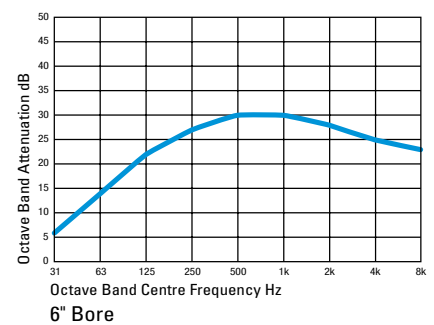
This range of silencers are of all welded design, sturdily constructed in carbon steel with a heat resisting aluminium or black paint finish to ensure a long service life. All units are fitted with drain points to remove exhaust condensate.

The MAA1 is a spark arrester silencer, classified with DNV approval. Also available with ATEX Directive 94/9 to BSEN 1834-1:2000 certification.

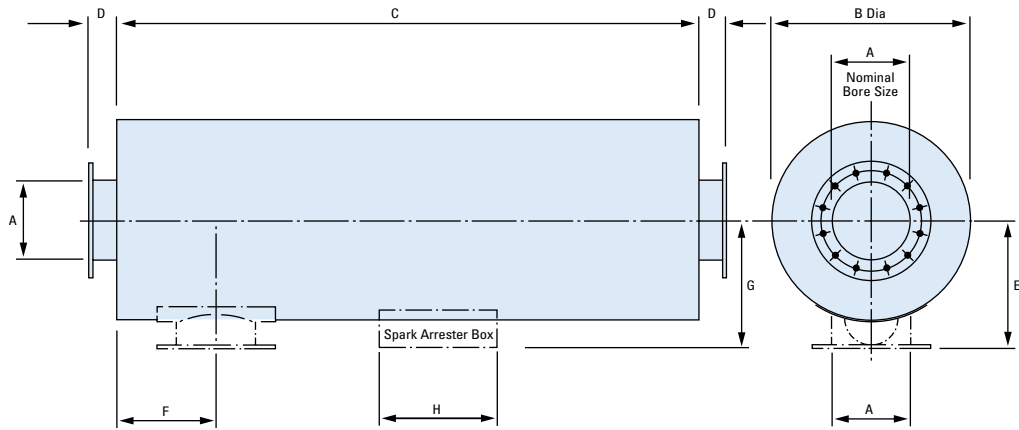
Options

- BS10 Table 'D' flanges fitted as standard.
- Alternative flange patterns available on request.
- B.S.P. connections available on smaller sizes.
- Radial/axial inlet.
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- Heat resisting aluminium or black paint.
- Shot blast and aluminium metal sprayed.
- Stainless steels.
- Corten steel.
- Support feet and brackets.
- Lifting lugs.
- Catalytic converters.

Back pressure figures can vary greatly with temperature and gas velocity, please contact IMS for advice.



MRA1 & MAA1 series



Silencer Ref	All	All	All	All	All	All	MRA1	MAA1	MAA1	Weight	Weight
	A	B	C	D	E	F min	F max	G	H	MRA1	MAA1
	inch	mm	mm	mm	mm	mm	mm	mm	mm	kgs	kgs
MRA1/MAA1 038	1.5	160	700	50	155	50	200	130	180	10	11
MRA1/MAA1 050	2	210	750	50	180	50	200	155	180	13	14
MRA1/MAA1 063	2.5	260	800	50	205	70	250	180	180	20	21
MRA1/MAA1 075	3	310	850	50	230	80	300	250	180	30	33
MRA1/MAA1 090	3.5	360	950	75	255	90	320	275	230	38	40
MRA1/MAA1 100	4	360	1050	75	255	95	380	275	280	42	45
MRA1/MAA1 125	5	410	1150	75	280	110	430	300	280	57	60
MRA1/MAA1 150	6	460	1350	75	305	120	460	355	430	90	95
MRA1/MAA1 175	7	540	1450	75	345	130	500	380	430	110	115
MRA1/MAA1 200	8	560	1650	75	355	145	580	380	430	140	145
MRA1/MAA1 225	9	660	1800	100	420	150	600	455	430	200	205
MRA1/MAA1 250	10	660	2000	100	420	180	650	455	430	240	245
MRA1/MAA1 300	12	760	2200	100	470	205	710	505	430	420	435
MRA1/MAA1 350	14	920	2500	100	550	230	835	605	585	580	590
MRA1/MAA1 400	16	1020	2800	100	600	255	940	655	585	730	740
MRA1/MAA1 450	18	1170	3000	100	685	290	1080	730	585	880	895
MRA1/MAA1 500	20	1270	3300	100	735	320	1155	810	735	1080	1100
MRA1/MAA1 550	22	1370	3600	100	785	345	1255	860	735	1370	1400
MRA1/MAA1 600	24	1470	3700	100	835	380	1400	910	735	1600	1680

Larger sizes available on request.