

# Absorptive Exhaust Gas Silencer

The M31 range of semi-residential reactive 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 or intakes 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.

The M31 'semi-residential grade' reactive exhaust silencer range 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.

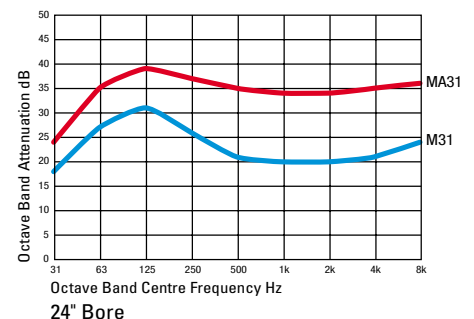
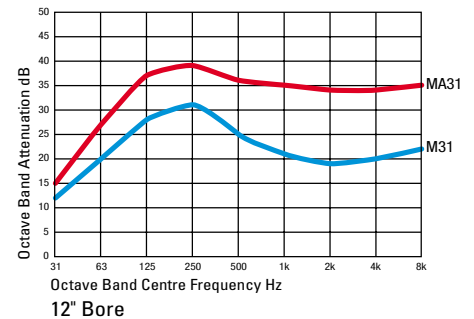
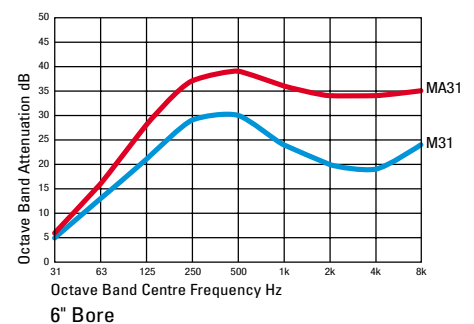
## MA31 Range

The acoustically treated MA31 type silencer increases the higher frequency performance by up to 11dB(A), reducing casing breakout as well as lowering the surface temperature. The units can be used where good overall acoustic performance is required without a secondary or terminal silencer.

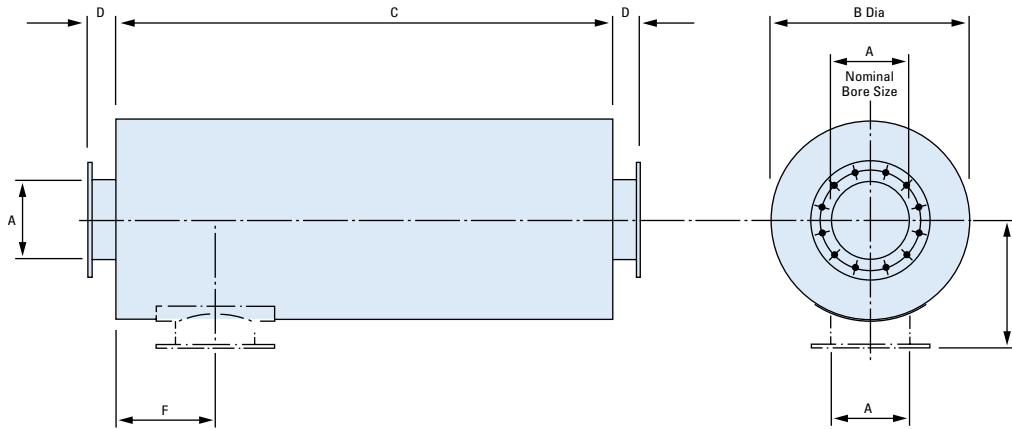
## Options

- 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.*



# M31 series



Silencer Ref	All	M31	MA31	All	All	M31	MA31	All	All	Weight	Weight
	A	B	B	C	D	E	E	F min	F max	M31	MA31
	inch	mm	mm	mm	mm	mm	mm	mm	mm	kgs	kgs
M31/MA31 038	1.5	160	260	600	50	155	205	60	250	3	4
M31/MA31 050	2	210	310	600	50	180	230	60	250	5	6
M31/MA31 063	2.5	260	360	700	50	205	255	70	380	8	10
M31/MA31 075	3	310	410	800	50	230	280	90	430	14	16
M31/MA31 090	3.5	360	460	900	75	255	305	150	480	32	36
M31/MA31 100	4	360	460	1000	75	255	305	160	490	45	50
M31/MA31 125	5	410	510	1200	75	280	330	180	530	54	62
M31/MA31 150	6	460	560	1400	75	305	355	190	590	78	95
M31/MA31 175	7	540	640	1400	75	350	400	200	590	100	135
M31/MA31 200	8	560	660	1800	75	355	405	220	810	130	170
M31/MA31 225	9	660	760	1800	75	420	470	235	810	190	230
M31/MA31 250	10	660	760	2100	75	420	470	250	1100	210	280
M31/MA31 300	12	760	860	2500	100	470	520	280	1150	340	390
M31/MA31 350	14	920	1020	2800	100	550	600	320	1350	440	500
M31/MA31 400	16	1020	1120	2900	100	600	650	340	1450	610	700
M31/MA31 450	18	1170	1270	3000	100	685	735	370	1500	840	940
M31/MA31 500	20	1270	1370	3400	100	735	785	400	1700	990	1050
M31/MA31 550	22	1370	1470	3700	100	785	835	430	1800	1200	1400
M31/MA31 600	24	1470	1570	4000	100	915	965	460	2000	1550	1800

Larger sizes available on request.