

MSA1	Industrial	18dB(A) Attenuation
MSA2	Semi Residential	24dB(A) Attenuation
MSA3	Residential	32dB(A) Attenuation

Reactive Spark Arrester Silencer

The MSA series are high efficiency spark arrester silencers capable of removing 99% of all particles of 10 microns and larger.

The design is also an effective 'industrial grade' attenuator suitable for most applications. It is extensively used by operators both onshore and offshore as well as for marine installations.

The design allows for vertical, horizontal or inclined installation, without affecting performance.

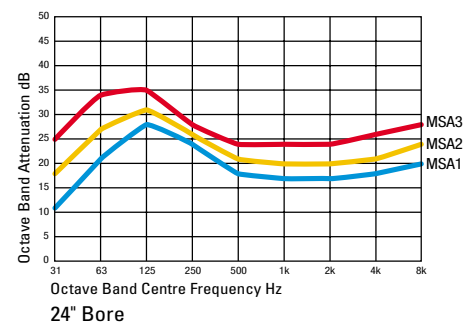
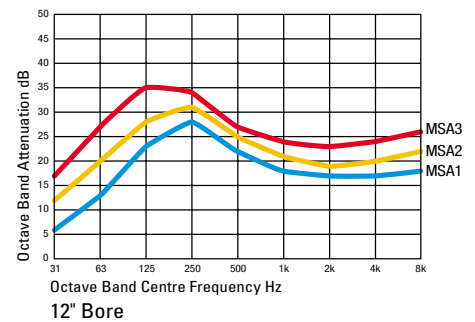
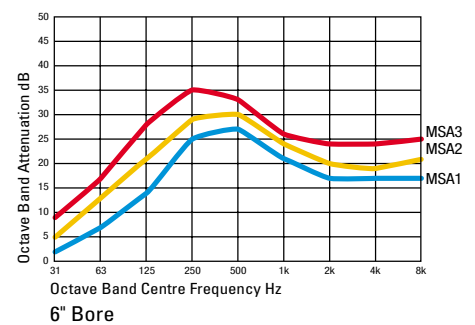
The MSA 'industrial grade' reactive spark arrester silencer range are of all welded design, sturdily constructed in carbon steel with a heat resisting aluminium or black paint finish to ensure a long service life. All units are fitted with drain points to remove exhaust condensate.

The MSA range of spark arrester silencers are classified with DNV approval. Also available with ATEX Directive 94/9 to BSEN 1834-1:2000 certification.

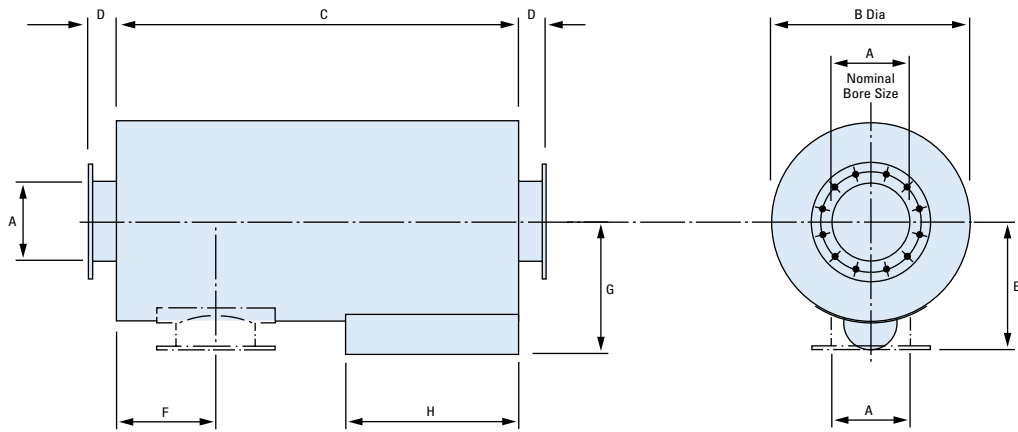
Options

- BS10 Table 'D' flanges fitted as standard.
- Alternative flange patterns available on request.
- B.S.P. connections available on smaller sizes.
- Radial/axial inlet.
- Radial/axial outlet.
- 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.



MSA series



Silencer Ref	All	All	MSA1	MSA2	MSA3	All	All	All	All	All	Weight	Weight	Weight
	A	B	C	C	C	D	E	F	G	H	MSA1	MSA2	MSA3
	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	kgs	kgs	kgs
MSA1/2/3 038	1.5	160	350	500	650	50	155	60	155	180	2	3	6
MSA1/2/3 050	2	210	400	500	800	50	180	60	180	180	4	5	9
MSA1/2/3 063	2.5	260	400	700	900	50	205	70	205	180	6	8	16
MSA1/2/3 075	3	310	500	800	1000	50	230	90	230	180	10	14	36
MSA1/2/3 090	3.5	360	600	900	1100	75	255	150	255	230	24	32	45
MSA1/2/3 100	4	360	700	1000	1200	75	255	160	255	280	34	45	55
MSA1/2/3 125	5	410	850	1200	1400	75	280	180	280	280	43	54	80
MSA1/2/3 150	6	460	1000	1400	1600	75	305	190	305	430	65	78	127
MSA1/2/3 175	7	540	1000	1400	1600	75	350	200	350	430	80	100	180
MSA1/2/3 200	8	560	1200	1800	2000	75	355	220	355	430	110	130	220
MSA1/2/3 225	9	660	1200	1800	2000	100	420	235	420	430	150	190	260
MSA1/2/3 250	10	660	1300	2100	2400	100	420	250	420	430	172	210	340
MSA1/2/3 300	12	760	1500	2500	3000	100	470	280	470	430	250	340	545
MSA1/2/3 350	14	920	1800	2800	3100	100	550	320	550	585	340	440	660
MSA1/2/3 400	16	1020	2000	2900	3200	100	600	340	600	585	490	610	830
MSA1/2/3 450	18	1170	2300	3000	3600	100	685	370	685	585	650	840	1060
MSA1/2/3 500	20	1270	2500	3400	4200	100	735	400	735	735	810	990	1300
MSA1/2/3 550	22	1370	2700	3700	4700	100	785	430	785	735	1000	1200	1570
MSA1/2/3 600	24	1470	3000	4000	5000	100	915	460	915	735	1200	1400	2020

Larger sizes available on request.