

Industrial Silencer Division

Industrial Silencer Ranges

Range Ref.	Reference	Description	Application	Typical Noise Attenuation
INDUSTRIAL	SLS	Absorptive type straight through silencer the noise being dissipated by heat resistant fibrous material. The gasses flow through the silencer without obstruction resulting in negligible back pressure or restriction - no more than would be produced by a plain pipe of equal length.	For use with small/medium internal combustion engines where high noise attenuation is not required. The SLS range can also be used for quietening the air intakes on internal combustion engines and air compressors (excluding reciprocating types) and is suitable for use on vacuum discharges and unloading valves of compressors and blowers. The SLS range can also be used as a secondary silencer in conjunction with the SE range of silencers in areas where super critical levels of noise attenuation are	Efficient attenuation of medium/high frequency noise
	SEA	Based on triple chamber design with low frequency noise being reduced in the first two expansion chambers and high frequency noise in the final absorption section.	Recommended for exhaust silencing on medium sized diesel and petrol engines where very low back pressures are not essential. The SEA range provides a reasonable degree of silencing at low cost where space is limited.	Reduces exhaust noise level to 74/76 dbA @ 7 metres
INDUSTRIAL & RESIDENTIAL	SE30/ABS	High noise attenuating triple chamber design	All exhausts, blower dischargers and vacuum pumps	Use in residential areas, overall attenuation = 35 db(A)
	SE20 SE30 SE40 SE50	All SE Reactive silencers are based on a double expansion chamber principle with long internal connecting tubes arranged to eliminate pass frequencies and maintain a broad noise attenuation band. A double skinned case construction is used in the first chamber together with preformed end plates to reduce internal resonance to a minimum.	These ranges can be installed in the exhausts of all type of internal combustion engines covering exhaust pipe diameters up to 20" bore and can also be used for the discharge of blowers, vacuum pumps and intakes of reciprocating compressors.	SE20 - Use in commercial areas where surrounding noise level is high. Overall attenuation = 27db (A) SE30 - Use in semi-residential areas. Overall attenuation = 31db (A) SE40 / SE50 - Use in super critical areas - schools, hospitals, residential locations etc. Overall attenuation = 35db (A) SE50 - 38 db(A)
SPARK ARRESTORS	SA1 SA2	Based on a two chamber three stage cyclonic/centrifugal design giving optimum spark arresting and high noise attenuation. Both models incorporate a double skinned case construction in the first chamber with preformed end plates for minimum internal resonance. Both models are fitted with a collector box and can be supplied with clean out hand holes at extra cost.	Suitable for use in internal combustion engine exhausts in areas of high fire risk such as oil refineries and marine applications.	SA1 - For use in commercial or semi-residential areas where a high degree of noise attenuation is not required. Overall attenuation = 27db (A) SA2 - For use in residential or other critical areas where a high level of noise attenuation is required. Overall attenuation = 32db (A)

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