

Silencer ADS25 – FP-Series

A silencer plays a crucial role in reducing noise produced by exhaust systems in marine, industrial, and offshore applications. By employing various sound-absorbing materials and specialized designs, silencers dampen the exhaust gases' sound waves, effectively attenuating noise levels.

Product Characteristics

Absorptive silencers reduce noise by converting sound energy into heat through porous materials such as mineral wool or fiberglass. They are known for being effective at medium to high frequencies, having low pressure drop, and are commonly used in ventilation systems, industrial fans, compressors, and exhaust systems.

Connections

1,5″ to 3″, B:S:P: nipple connetion
3,5″ to 7″, flanges acc.to DIN2573 (PN6)
8″ and larger, flanges acc.to DIN86044

Material and finish

Standard material: mild steel with black heat-resistant paint.
Other materials upon request: Cor-Ten or Stainless Steel in grades 304L, 316L & 409

Additional options

Alternative configurations are available on request, including mating flange assemblies, lifting lugs, and support feet for both horizontal and vertical installations.

Product Applications

Absorptive silencers with a design that provides very low restriction to exhaust gases, thus back pressure is negligible. Silencers of this type may also be used as secondary units on systems using reactive primary silencers.

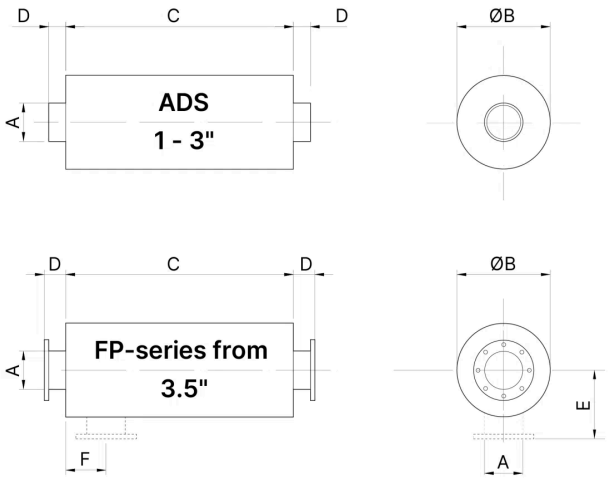
Key features and benefits:

- Straight-through design: Typically designed as “straight-through,” meaning minimal restriction of airflow.
- Applications: Ideal for industrial inlets and outlets, such as fans, blowers, and combustion engines.
- Materials: Use sound-absorbing fillings (mineral wool, fiberglass), often encapsulated to protect against high velocities and temperatures.
- Performance: Most effective at attenuating high-frequency noise.

Difference from other silencers:

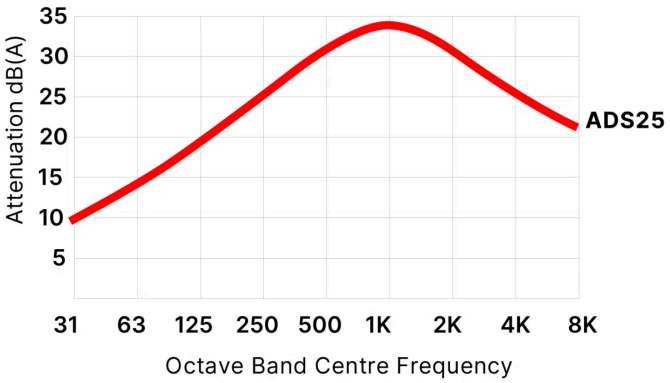
Unlike reactive silencers, which reflect sound waves, absorptive silencers dissipate the sound energy, resulting in a broader attenuation spectrum at higher frequencies.

Technical Specifications



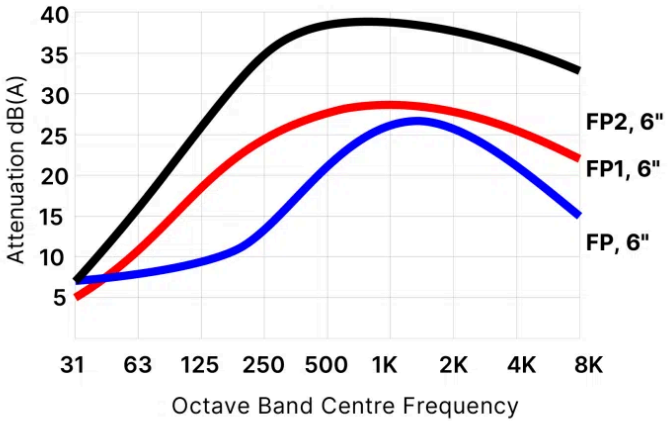
ADS25

Typical Attenuation Curve



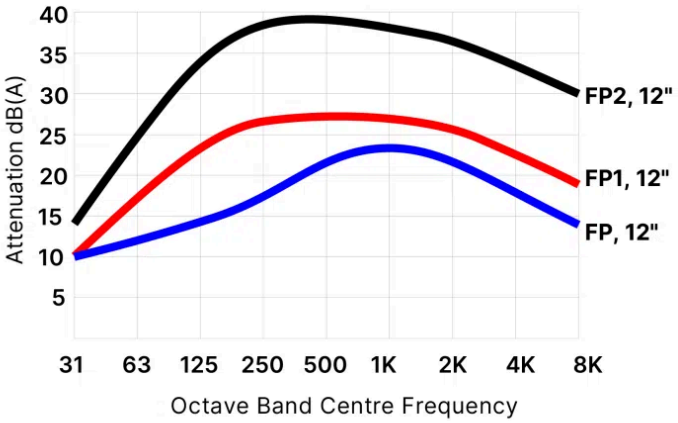
FP 6", FP1 6" and FP2 6"

Typical Attenuation Curve



FP 12", FP1 12" and FP2 12"

Typical Attenuation Curve



Silencers-ADS25-FP-technical-specifications

silencers-ads25-fp-technical-specifications.xlsx

Dimensions

Type		A	B		C			D	E		F	Weight		
Connections	B.S.P.Nipple connections	DN (inches)	mm		mm			mm	mm		mm	kg		
		25 (1.0")	89		380			20	–		–	2		
		38 (1.5")	115		610			30	–		–	4		
		50 (2.0")	115		765			35	–		–	6		
		65 (2.5")	133		765			45	–		–	7		
		75 (3.0")	152		765			50	–		–	9		
	DIN2573 (PN6)		**FP**	**FP 1/2**	**FP**	**FP1**	**FP2**	**D**	**FP**	**FP 1/2**		**FP**	**FP1**	**FP2**
		90 (3.5")	178	310	850	950	1350	75	164	230	150	15	60	80
		100 (4.0")	230	360	850	1100	1600	75	190	255	160	20	85	125
		125 (5.0")	310	410	850	1200	1800	75	230	280	180	30	120	160
		150 (6.0")	360	460	1150	1400	1900	75	255	305	190	46	160	220
		175 (7.0")	360	460	1150	1500	2300	75	255	305	200	47	170	250
	DIN86044	**200 (8.0")**	410	610	1450	1650	2500	75	280	355	220	64	190	280
		225 (9.0")	410	610	1450	1800	2600	75	280	355	235	68	220	320
		250 (10.0")	460	660	1750	2000	2700	75	305	430	250	130	290	400
		300 (12.0")	560	760	2200	2200	3200	100	380	480	280	200	400	500
		350 (124.0")	560	760	2200	2400	3300	100	380	480	320	218	490	680
		400 (16.0")	660	920	2600	2700	3700	100	430	550	340	280	630	850
		450 (18.0")	660	920	2900	3000	4200	100	430	550	370	310	780	1000
		500 (20.0")	760	1070	2900	3300	4500	100	480	640	400	330	900	1200
		550 (22.0")	760	1270	3200	3600	4800	100	480	735	430	375	1100	1400
		600 (24.0")	810	1370	3500	3700	5000	100	505	835	460	430	1300	1800

All dimensions in mm unless otherwise stated

Contact information

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