



MED MODEL TDS



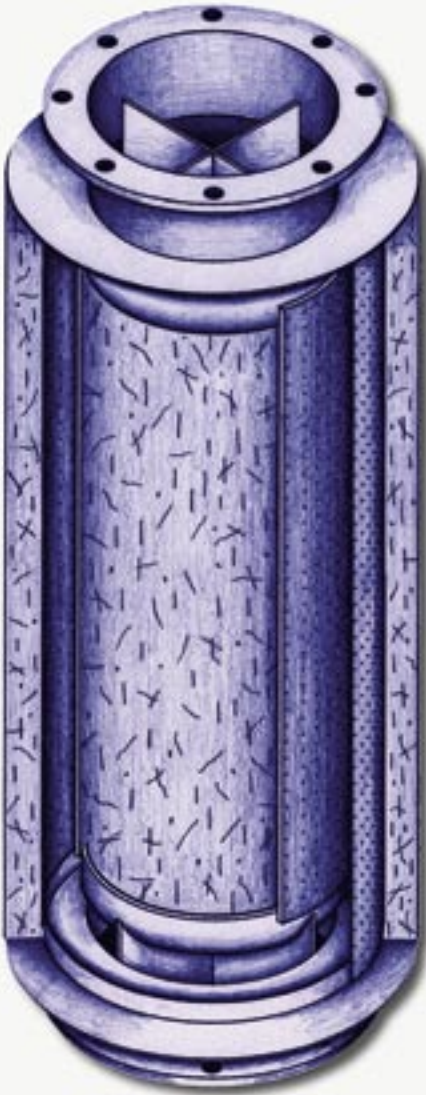
**Mueller
Environmental
Designs, Inc.**



**Air Filtration
Evaporative Cooling
Noise Control
Mist Elimination
Turnkey Projects**



CENTRIFUGAL AND AXIAL ROTATING MACHINERY INTAKE AND DISCHARGE SILENCERS



The Mueller Environmental Designs centrifugal and axial rotating machinery intake and discharge silencers are designed to reduce the broad band noise generated by this equipment. Characteristically, noise generated by this type of rotating equipment is high frequency in nature, requiring absorptive type silencing. However, with today's emphasis on reduced noise emissions, products with a high degree of broad band-low, mid, and high frequency noise control are required to meet this demand.

Mueller Environmental Designs has the silencing products for both, typical and enhanced noise control applications.

APPLICATION

Inlet and discharge of high speed centrifugal blowers and compressors gas turbine inlet and exhaust turbocharged reciprocating engine intake low pressure vents

SELECTION

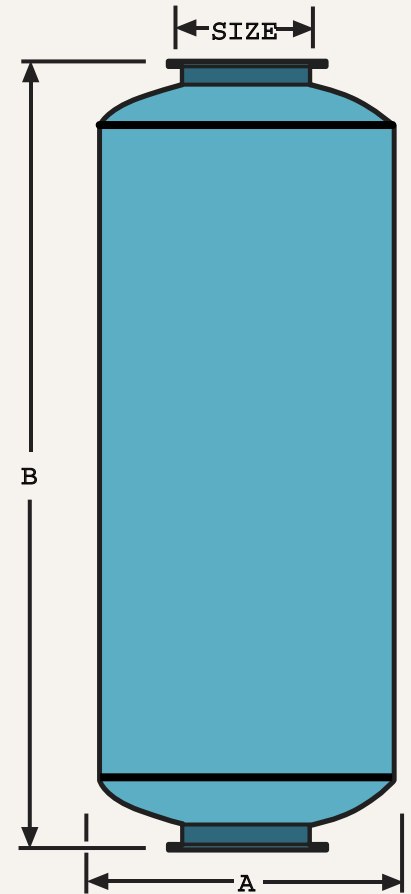
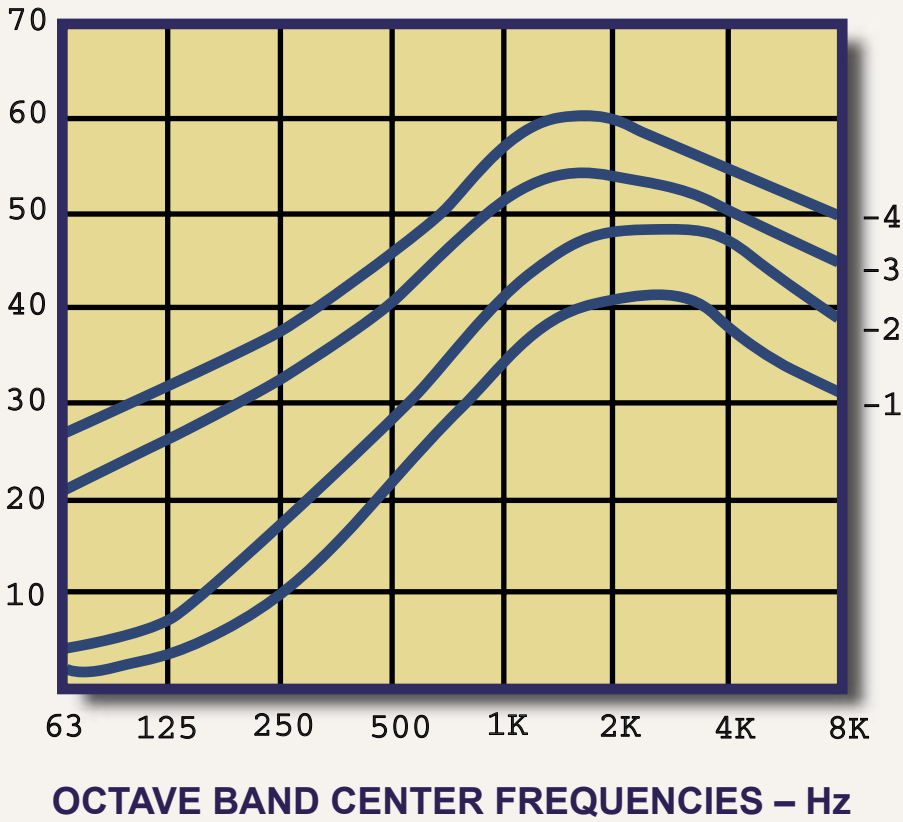
Proper sizing procedure for this application requires the following information:

- ◆ Type of rotating machinery
- ◆ Fluid flow, temperature, pressure
- ◆ Allowable pressure drop
- ◆ Silenced noise criteria

WARRANTY

Mueller Environmental Designs guarantees to meet pressure drop and noise control criteria, warranties against poor workmanship, material defects, and failure due to improper equipment selection.

**TYPICAL ATTENUATION CURVES
DYNAMIC INSERTION LOSS - dB**



Model TDS

SIZE	-1			-2			-3			-4		
	A	B	WGT	A	B	WGT	A	B	WGT	A	B	WGT
6	10	23	77	13	30	115	14	63	198	14	72	228
8	12	28	101	16	37	170	18	65	262	18	74	302
10	14	33	143	19	44	221	22	70	348	22	80	401
12	18	38	162	23	47	331	26	84	577	26	96	664
14	20	49	226	26	59	458	30	100	1029	30	114	184
16	22	50	277	29	66	588	36	102	1077	36	117	1239
18	24	57	366	32	74	740	38	115	1461	38	132	1681
20	26	58	391	35	82	899	42	125	1559	42	143	1793
22	28	70	532	37	84	1010	48	126	1880	48	144	2162
24	32	71	710	42	91	1279	54	138	2721	54	158	3130
26	34	82	888	45	99	1788	60	152	3318	60	174	3816
28	36	83	931	48	112	2366	60	169	4131	60	194	4751
30	38	94	1139	51	114	2741	66	178	4801	66	204	5522

NOTE: CONTACT FACTORY FOR SPECIFIC SIZING AND APPLICATION



In-line High Pressure Gas Compressor Discharge Silencer



Gas Turbine Exhaust Silencer



Turbo Charged Reciprocating Engine Inlet Fiberglass Silencer

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