



**JTK Power & CJS (Suzhou) Technologies
Silencers for Marine and
Power Plant Industry**

JTK Power

HIGH-QUALITY SILENCER TECHNOLOGY

CJSTEC



JTK Power Oy is a dynamic Finnish company that has specialized on the manufacture of demanding silencers for industrial use. We have the latest expert know-how in silencer technology and we are members of The Finnish Acoustics Association.

CJS (Suzhou) Technologies Co., Ltd is manufacturing JTK Power's well-known silencers for Asian market.

We use modern manufacturing machines and the most recent software in our design and product development. When you require specialist know-how, contact us! Together we will plan a high-quality functional and economical solution.

Silencer technology

We design and manufacture high quality silencers. We also offer professional consulting services to solve any problems within silencer technology.

Standardized silencer models

- 25, 35, 40 and 45 dB(A)

We also design and manufacture demanding special models and solutions in silencer technology on the basis of our customers' requirements.

Materials generally used in various structures

- S235JRG2 (Fe37B) steels for general structural purposes
- COR-TEN and S355JOW weatherproof steel
- Aisi304 stainless steel
- Aisi316L acid proof steel
- 16Mo3 steel

Design and product development

We use the most recent software in our field in design and product development.

- Autodesk Inventor
- Structural design of steel chimneys
- Acoustic design
- Flow loss measurements in piping



Measurement

We are able to make full scale factory tests for noise reduction and pressure loss from duct size DN200 to DN1600. We can also do same measurements for customer components eg. filters, after treatment components etc.



Power plants

- absorptive silencers
- general reactive silencers
- special reactive silencers for low frequencies
- integrated absorptive-reactive silencers
- design and manufacture of integrated silencer chimney structures
- steel structures
- charge/intake air silencers
- gas turbine exhaust silencers
flue gas silencers



Power Plants and Process Industry

- silencers for compressors
- silencers for vacuum pumps
- other silencers



Marine industry

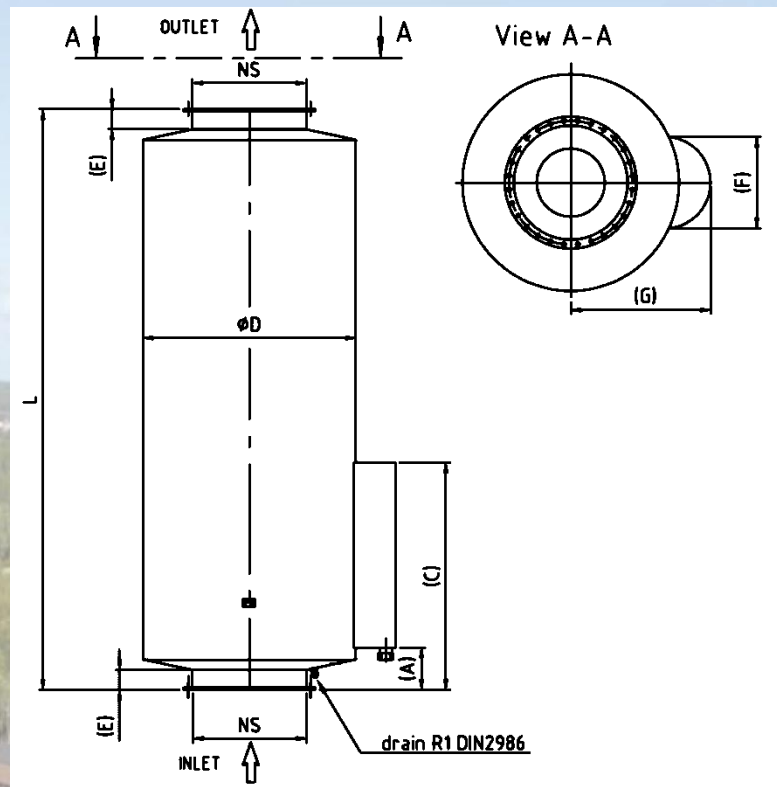
- spark arrestors
- absorptive silencers
- general reactive silencers
- special reactive silencers for low frequencies, eg. auxiliary engine firing frequency
- integrated absorptive-reactive silencers



Standard exhaust gas silencer models for marine industry

Technical Data

- Reactive and absorption model with spark arrestor
- Material structure steel S235 (Fe37B) EN10025 or Cor-Ten B on request
- Flanges DIN2501 up to size NS 1000
- Welding class D
- Mounting in vertical or horizontal position
- Delivered with base primer painting if steel. In case of Cor-Ten B no painting



Nominal size	25 dB (A)										35 dB (A)									
	Length	Weight	Diam						Drain	Drain	Length	Weight	Diam						Drain	Drain
NS	L	kg	D	G	F	A	E	C	R1	R2	L	kg	D	G	F	A	E	C	R1	R2
300	2530	360	860	580	305	155	90	1250	1"	NS80(3")	3530	455	860	580	305	155	90	1250	1"	NS80(3")
350	2780	440	950	590	346	155	90	1405	1"	NS80(3")	3780	580	950	590	346	155	90	1405	1"	NS80(3")
400	3280	570	1060	690	420	155	90	1500	1"	NS80(3")	4280	710	1060	690	420	155	90	1500	1"	NS80(3")
450	3430	685	1200	780	470	200	90	1700	1"	NS80(3")	4280	855	1200	780	470	200	90	1700	1"	NS80(3")
500	3430	690	1200	780	470	200	90	1700	1"	NS80(3")	4280	860	1200	780	470	200	90	1700	1"	NS80(3")
600	4010	980	1300	910	635	225	150	2070	1 1/2"	NS80(3")	5260	1310	1300	910	635	225	150	2070	1 1/2"	NS80(3")
700	4550	1470	1500	1020	745	310	175	2260	1 1/2"	NS80(3")	6050	1910	1500	1020	745	310	175	2260	1 1/2"	NS80(3")
800	4840	1930	1700	1130	840	240	130	2000	2"	NS80(3")	6340	2490	1700	1130	840	240	130	2000	2"	NS80(3")
900	5360	2295	1800	1190	860	260	150	2240	2"	NS80(3")	6870	2900	1800	1190	860	260	150	2240	2"	NS80(3")
1000	5880	2900	1900	1280	870	290	150	2340	2"	NS150	7620	3730	1900	1280	870	290	150	2340	2"	NS150
1100	6200	3450	2100	1340	900	280	150	2600	2"	NS150	8200	4640	2100	1340	900	280	150	2600	2"	NS150
1200	7000	4080	2100	1340	900	280	160	2650	2"	NS150	9000	5280	2100	1340	900	280	160	2650	2"	NS150
1300	7500	4800	2300	1440	950	300	160	2650	2"	NS150	9500	6360	2300	1440	950	300	160	2650	2"	NS150
1400	8165	5800	2400	1490	950	300	160	2680	2"	NS150	10165	7120	2400	1490	950	300	160	2680	2"	NS150
1500	8165	6180	2500	1540	1000	300	160	2680	2"	NS150	10165	7650	2500	1540	1000	300	160	2680	2"	NS150

Dimensions subject to alterations without notice.

JTK Power

CJSTEC

JTK Power Oy
 Teollisuustie 6, FI-66600 Vöyri
 Tel.: +358 6 281 2200
 Fax.: +358 6 361 0383
 E-Mail: info@jtk-power.fi
 Internet: www.jtk-power.fi

CJS (Suzhou) Technologies Co., Ltd
 No:4279 Jiaotong North Road, Wujiang,
 Jiangsu Province, China, 215200
 Tel.:+86 512 63013007
 Fax.:+86 512 63454482
 E-Mail: admin@cjstec.com