

BelMar Industries

EXHAUST SILENCERS AND ACCESSORIES



Represented By:

Viking Power Products Co.
PO Box 127
Lewisville, PA 19351



Phone: 877-255-8860 * Fax: 877-770-7295

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Belmar Industries, LLC.
80 W. 78th Street, Suite 270C
Chanhassen, MN 55317
Phone: (952) 486-8588
Fax: (952) 486-8289

Welcome to Belmar Industries, LLC. Belmar Industries, LLC is a company that designs, sells and manufactures heavy duty industrial silencers for the engine and blower markets. Our line of engine silencers include standard silencers, disk silencers, spark arrestor silencers, compact silencers as well as a complete line of exhaust accessories. The lines of blower silencers cover intake silencers, discharge silencers and blower bases used in a wide range of industries. One of our strengths is in working with customers on special applications. Whether you are looking for 1 or 100, we will work with you to meet the level of silencing you need or the special silencer configuration your application requires. Another strength of ours is our short lead time. We will work with you to ensure your products are ready when you need them and shipped in a timely manner.

History

Belmar Industries, LLC has been selling and manufacturing silencers since 2006; however our experience in the field goes further back.

Paul Bagaason -co-founder of Belmar Industries- began his work in the silencing field with Donaldson Company. He stayed with the company for 28 years, gaining valuable experience in filtration and silencing applications for engines, vehicles, and industrial dust collection.

Ed Malone -co-founder of Belmar Industries- began his work with Donaldson Company, where he worked for 16 years. In 1985 he founded EM Products, a company specializing in industrial silencers. He grew the company over a 13 year period of time and ultimately sold it to PTI.

Overview

Belmar Industries, LLC is a company that designs, sells and manufactures heavy duty industrial silencers for the engine and blower markets. Our line of engine silencers include standard silencers, disk silencers, spark arrestor silencers, compact silencers as well as a complete line of exhaust accessories. The lines of blower silencers cover intake silencers, discharge silencers and blower bases used in a wide range of industries. One of our strengths is in working with customers on special applications. Whether you are looking for 1 or 100, we will work with you to meet the level of silencing you need or the special silencer configuration your application requires. Another strength of ours is our short lead time. We will work with you to ensure your products are ready when you need them and shipped in a timely manner.



Dear Customer:

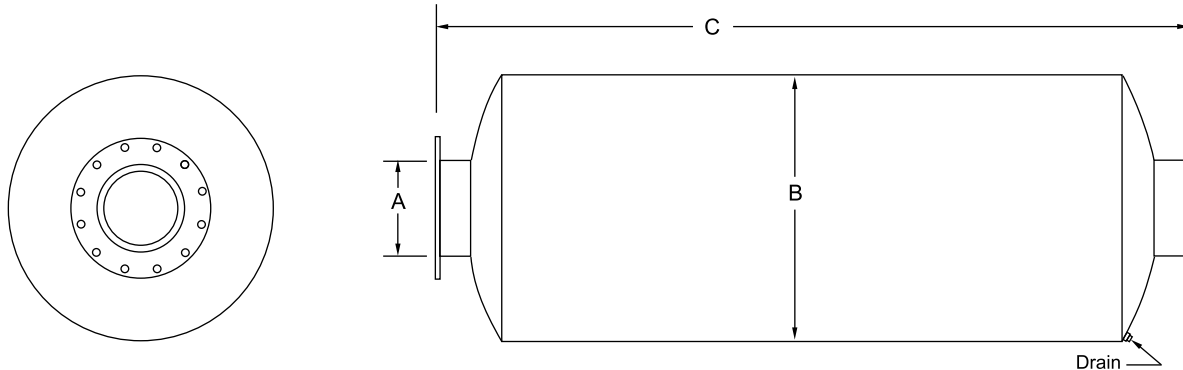
This catalog is a work in progress. We realize that there are additional exhaust sizes and accessories that you require which may not be shown in this catalog. Please remember “if you don’t see it, and you need it” - GIVE US A CALL..

Thanks,

The Management

Industrial Grade SI1 Series

Body Style 1



Applications

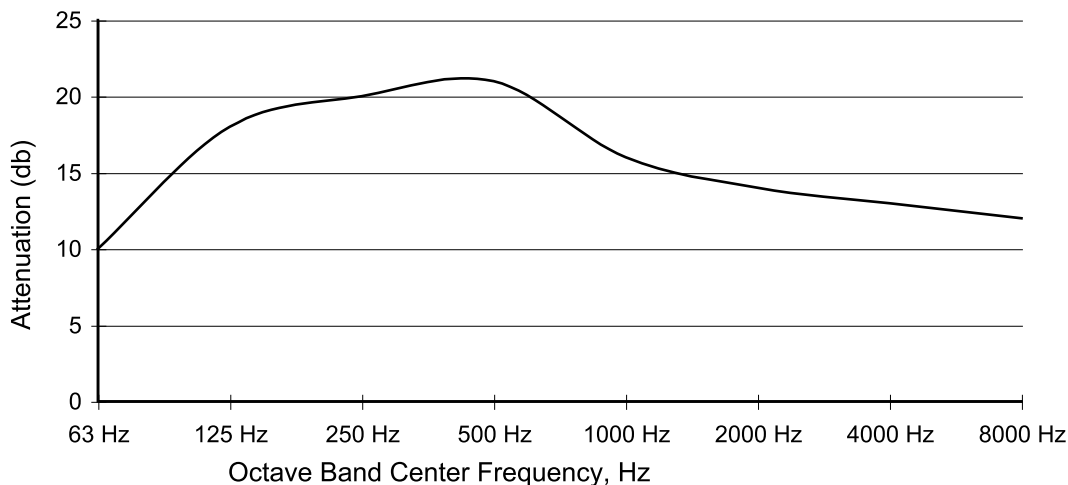
- The SI1 series is intended for use in industrial areas where surrounding noise levels are relatively high
- A wide range of brackets are available to meet your installation needs
- Can be mounted in any position
- Average noise level reductions: 12-20 dBA

Construction

- Carbon steel construction is standard however other materials such as stainless steel and aluminized steel are available
- Painted with high temperature black paint
- Dual inlets as well as other inlet and outlet configurations are available
- Standard connections are ANSI flanges
- Smaller and larger sizes are available upon request

Model	A	B	C	WT
SI1-04-0001	4	10	36	50
SI1-05-0001	5	10	42	55
SI1-06-0001	6	12	42	65
SI1-08-0001	8	18	50	140
SI1-10-0001	10	22	63	200
SI1-12-0001	12	24	63	250
SI1-14-0001	14	30	76	450

Representative Attenuation Curve, SI1 Series



Customize your exhaust system to meet your application needs!

We will work with you to design the silencer and exhaust components that will save product cost and installation time.

BMES-100 (10/08)

BelMar Industries

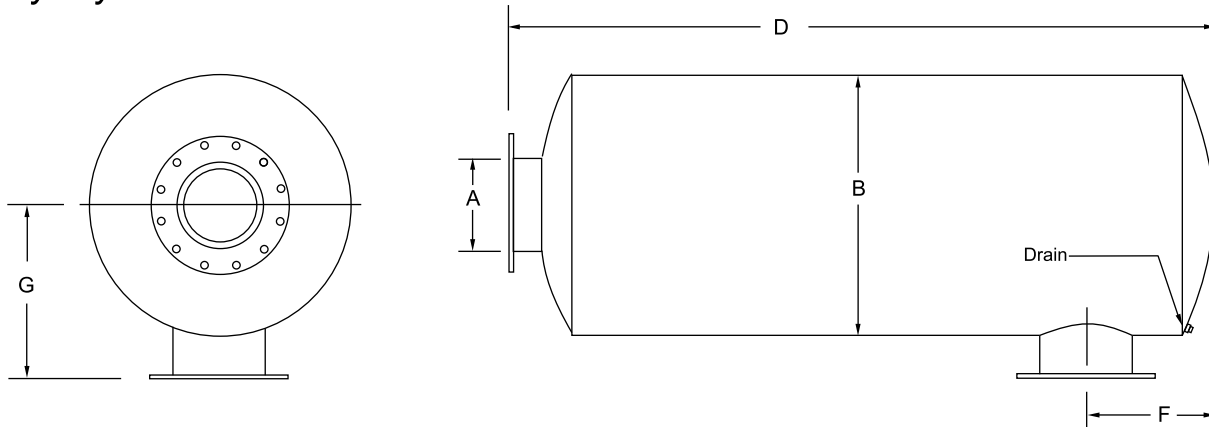
Ph: 952-486-8588

Fax: 952-486-8289

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Industrial Grade SI2 Series

Body Style 2



Applications

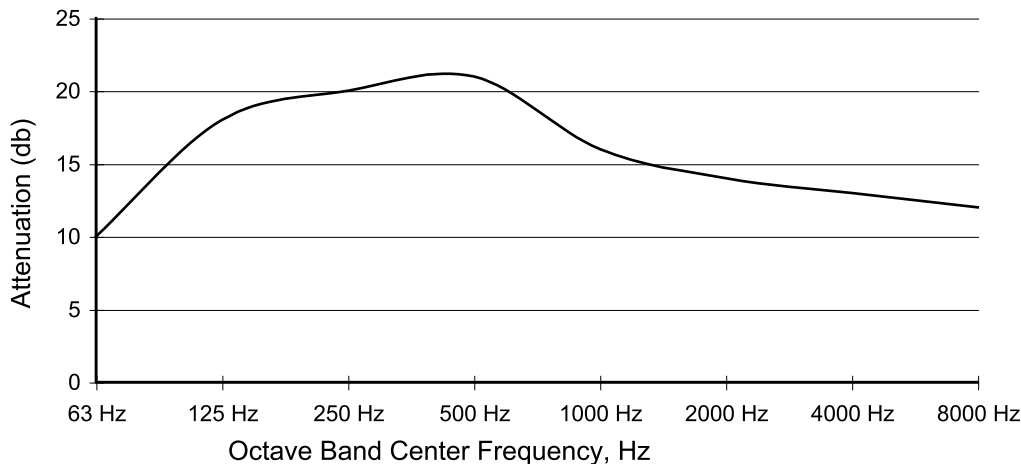
- The SI2 series is intended for use in industrial areas where surrounding noise levels are relatively high
- A wide range of brackets are available to meet your installation needs
- Can be mounted in any position
- Average noise level reductions: 12-20 dBA

Construction

- Carbon steel construction is standard however other materials such as stainless steel and aluminized steel are available
- Painted with high temperature black paint
- Dual inlets as well as other inlet and outlet configurations are available
- Standard connections are ANSI flanges
- Smaller and larger sizes are available upon request

Model	A	B	D	F (min)	G	WT
SI2-04-0001	4	10	33	5	9	50
SI2-05-0001	5	10	39	6	9	55
SI2-06-0001	6	12	39	6	10	65
SI2-08-0001	8	18	45	9	13	140
SI2-10-0001	10	22	59	10	15	200
SI2-12-0001	12	24	59	11	16	250
SI2-14-0001	14	30	73	13	19	450

Representative Attenuation Curve, SI2 Series



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BMES-100 (10/08)

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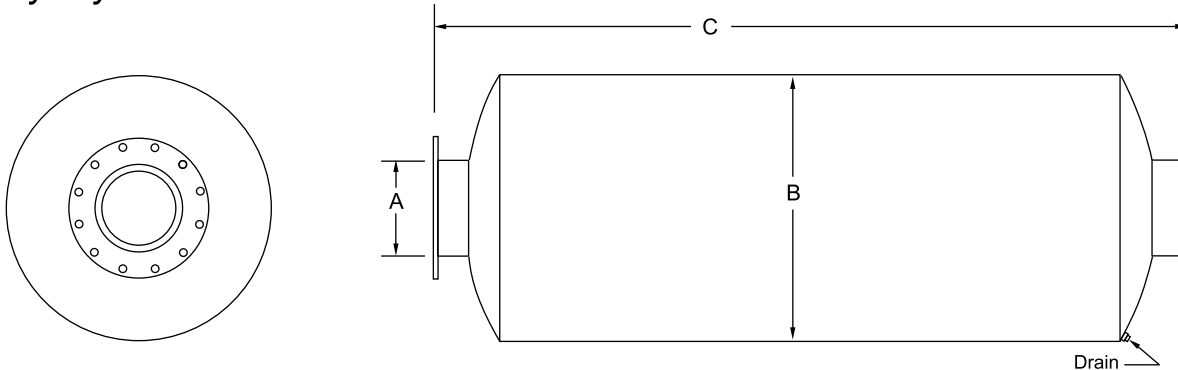
Fax: 952-486-8289

www.belmar-ind.com

Standard Silencers

Residential Grade SR1 Series

Body Style 1



Applications

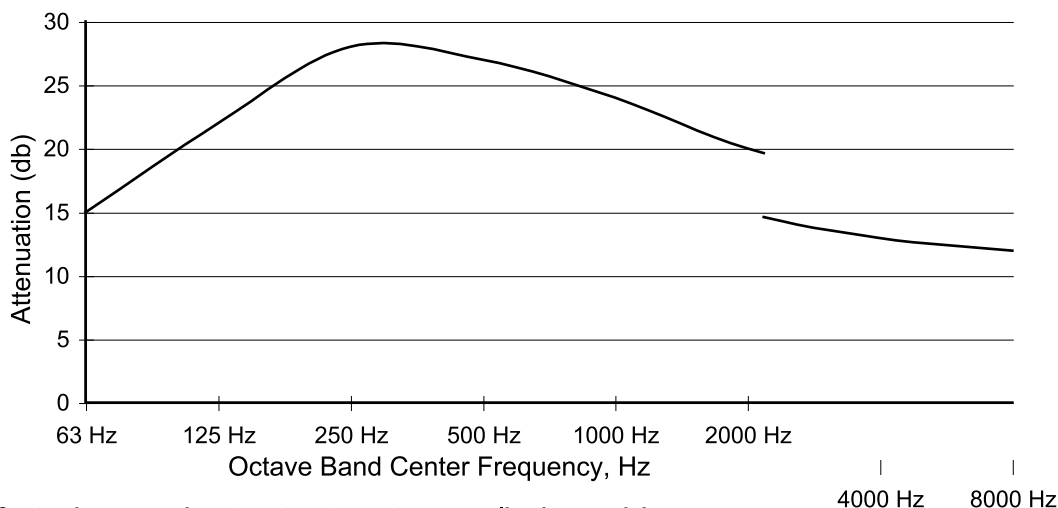
- The SR1 series is for use where moderate silencing is required
- A wide range of brackets are available to meet your installation needs
- Can be mounted in any position
- Average noise level reductions: 18-25 dBA

Construction

- Carbon steel construction is standard however other materials such as stainless steel and aluminized steel are available
- Painted with high temperature black paint
- Dual inlets as well as other inlet and outlet configurations are available
- Standard connections are ANSI flanges
- Smaller and larger sizes are available upon request

Model	A	B	C	WT
SR1-04-0001	4	10	46	50
SR1-05-0001	5	10	54	60
SR1-06-0001	6	12	54	75
SR1-08-0001	8	18	61	150
SR1-10-0001	10	22	75	220
SR1-12-0001	12	26	75	330
SR1-14-0001	14	30	100	600
SR1-16-0001	16	36	114	900
SR1-18-0001	18	36	126	1200
SR1-20-0001	20	42	139	1400

Representative Attenuation Curve, SR1 Series



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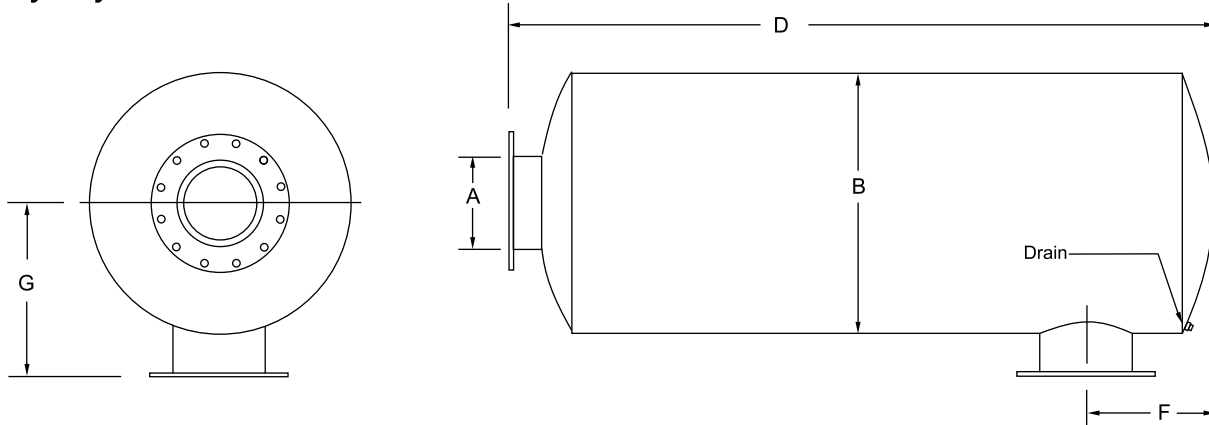
Ph: 952-486-8588

Fax: 952-486-8289

www.belmar-ind.com

Residential Grade SR2 Series

Body Style 2



Applications

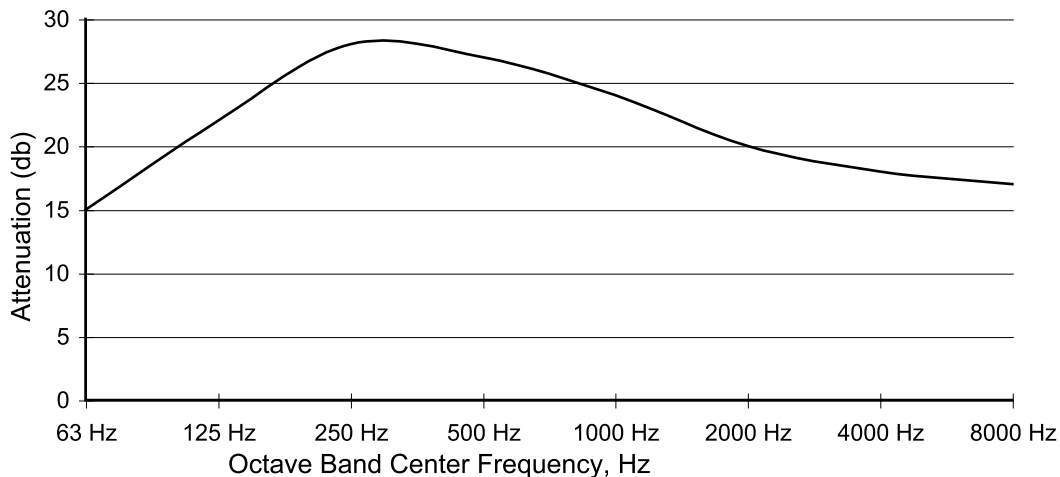
- The SR2 series is for use where moderate silencing is required
- A wide range of brackets are available to meet your installation needs
- Can be mounted in any position
- Average noise level reductions: 18-25 dBA

Construction

- Carbon steel construction is standard however other materials such as stainless steel and aluminized steel are available
- Painted with high temperature black paint
- Dual inlets as well as other inlet and outlet configurations are available
- Standard connections are ANSI flanges
- Smaller and larger sizes are available upon request

Model	A	B	D	F (min)	G	WT
SR2-04-0001	4	10	43	5	9	50
SR2-05-0001	5	10	51	6	9	60
SR2-06-0001	6	12	51	6	10	75
SR2-08-0001	8	18	57	9	13	150
SR2-10-0001	10	22	72	10	15	220
SR2-12-0001	12	26	72	12	17	330
SR2-14-0001	14	30	97	13	19	600
SR2-16-0001	16	36	111	15	22	900
SR2-18-0001	18	36	123	16	22	1200
SR2-20-0001	20	42	136	18	25	1400

Representative Attenuation Curve, SR2 Series



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BMES-101 (10/08)

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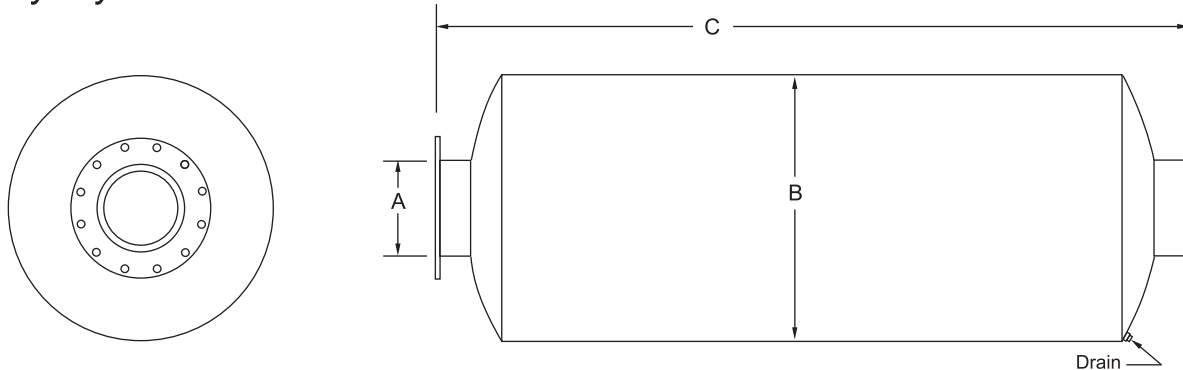
Ph: 952-486-8588

Fax: 952-486-8289

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Critical Grade SC1 Series

Body Style 1



Applications

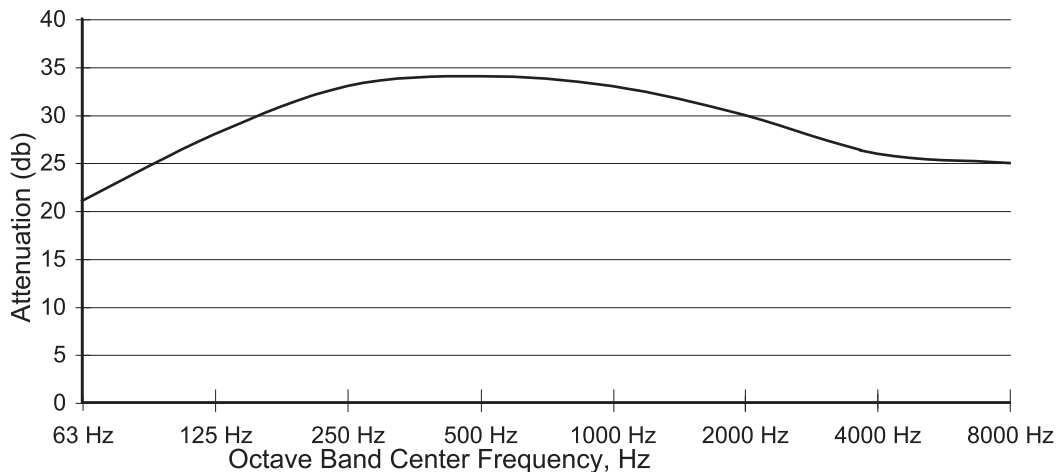
- The SC1 series is for use where ambient noise levels are low and a high degree of silencing is required
- A wide range of brackets are available to meet your installation needs
- Can be mounted in any position
- Average noise level reductions: 24-34 dBA

Construction

- Carbon steel construction is standard however other materials such as stainless steel and aluminized steel are available
- Painted with high temperature black paint
- Dual inlets as well as other inlet and outlet configurations are available
- Standard connections are ANSI flanges
- Smaller and larger sizes are available upon request

Model	A	B	C	WT
SC1-04-0001	4	10	54	75
SC1-05-0001	5	12	61	85
SC1-06-0001	6	12	68	90
SC1-08-0001	8	18	74	250
SC1-10-0001	10	22	74	350
SC1-12-0001	12	26	100	550
SC1-14-0001	14	30	112	750
SC1-16-0001	16	36	130	1000
SC1-18-0001	18	42	141	1350
SC1-20-0001	20	48	165	1650

Representative Attenuation Curve, SC1 Series



Customize your exhaust system to meet your application needs!

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BMES-102 (10/08)

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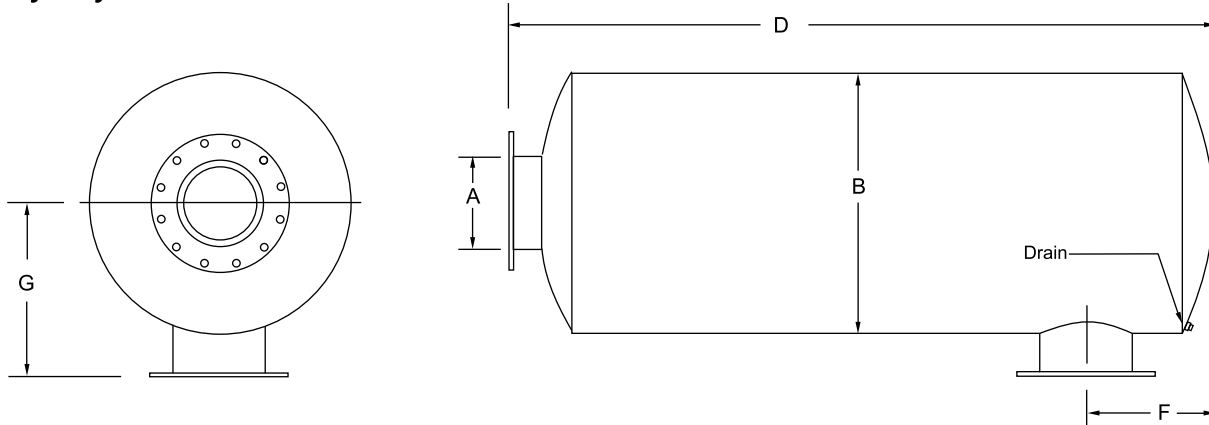
Ph: 952-486-8588

Fax: 952-486-8289

www.belmar-ind.com

Critical Grade SC2 Series

Body Style 2



Applications

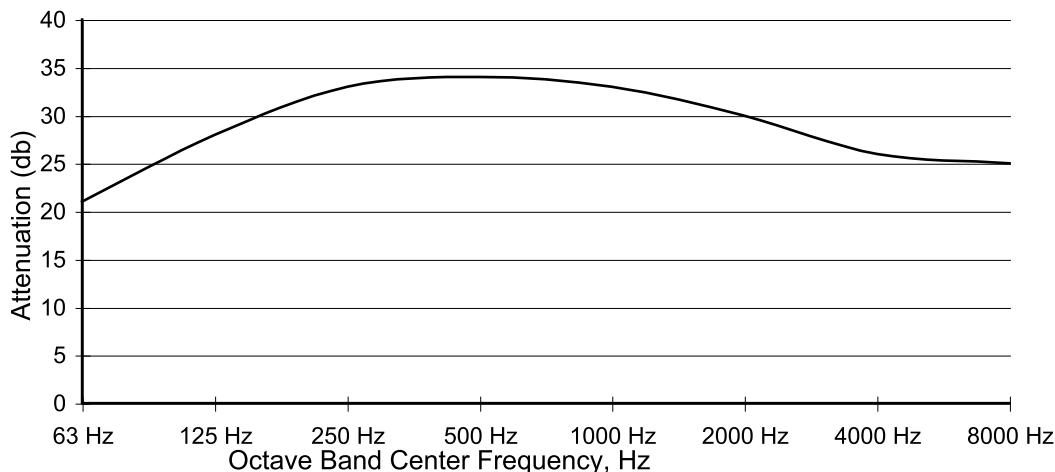
- The SC2 series is for use where ambient noise levels are low and a high degree of silencing is required
- A wide range of brackets are available to meet your installation needs
- Can be mounted in any position
- Average noise level reductions: 24-34 dBA

Construction

- Carbon steel construction is standard however other materials such as stainless steel and aluminized steel are available
- Painted with high temperature black paint
- Dual inlets as well as other inlet and outlet configurations are available
- Standard connections are ANSI flanges
- Smaller and larger sizes are available upon request

Model	A	B	D	F (min)	G	WT
SC2-04-0001	4	10	51	5	9	75
SC2-05-0001	5	12	57	6	10	85
SC2-06-0001	6	14	63	7	11	90
SC2-08-0001	8	22	71	9	15	250
SC2-10-0001	10	24	96	11	16	350
SC2-12-0001	12	30	96	13	19	550
SC2-14-0001	14	36	110	15	22	750
SC2-16-0001	16	42	124	17	25	1000
SC2-18-0001	18	48	138	18	28	1350
SC2-20-0001	20	48	162	19	28	1650

Representative Attenuation Curve, SC2 Series



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Ph: 952-486-8588

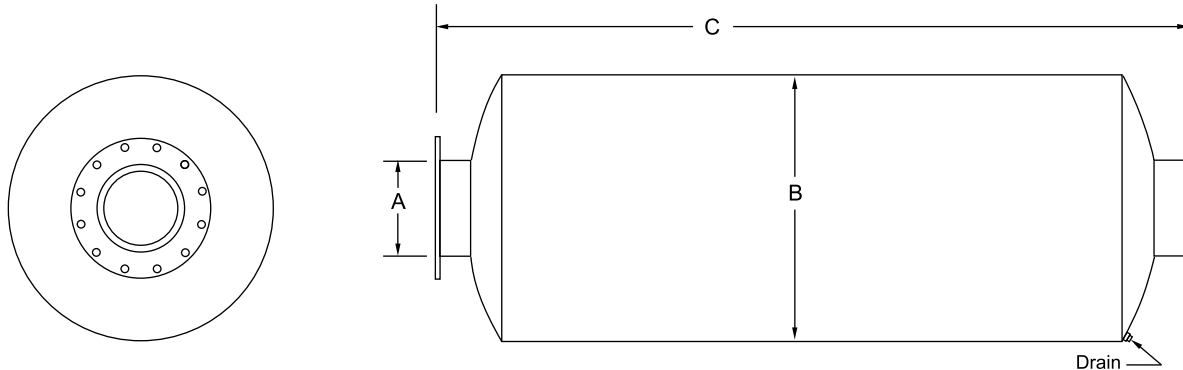
Fax: 952-486-8289

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Standard Silencers

Hospital Grade SH1 Series

Body Style 1



Applications

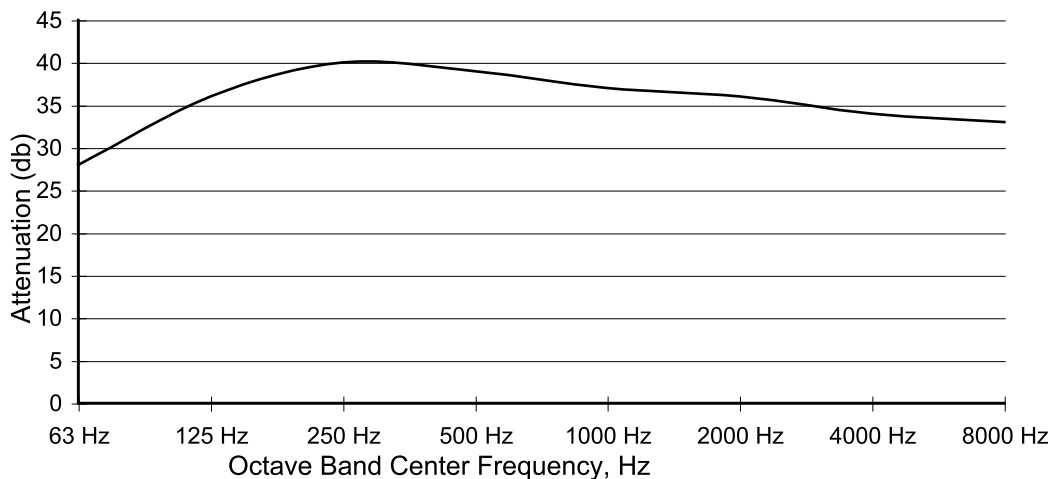
- The SH1 series is used in areas where noise levels are critical such as hospital environments
- A wide range of brackets are available to meet your installation needs
- Can be mounted in any position
- Average noise level reductions: 33-40 dBA

Construction

- Carbon steel construction is standard however other materials such as stainless steel and aluminized steel are available
- Painted with high temperature black paint
- Dual inlets as well as other inlet and outlet configurations are available
- Standard connections are ANSI flanges
- Smaller and larger sizes are available upon request

Model	A	B	C	WT
SH1-04-0001	4	16	61	160
SH1-05-0001	5	18	74	220
SH1-06-0001	6	24	73	300
SH1-08-0001	8	26	100	460
SH1-10-0001	10	30	112	750
SH1-12-0001	12	36	138	1250
SH1-14-0001	14	42	164	1950
SH1-16-0001	16	42	164	2000
SH1-18-0001	18	48	177	2500
SH1-20-0001	20	54	177	3300

Representative Attenuation Curve, SH1 Series



Customize your exhaust system to meet your application needs!

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BMES-103 (10/08)

BelMar Industries

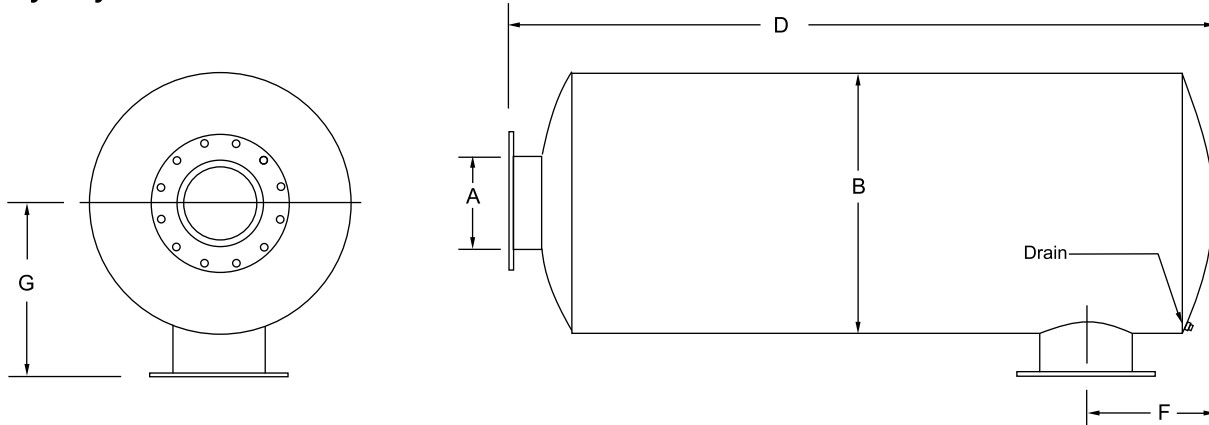
Ph: 952-486-8588

Fax: 952-486-8289

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Hospital Grade SH2 Series

Body Style 2



Applications

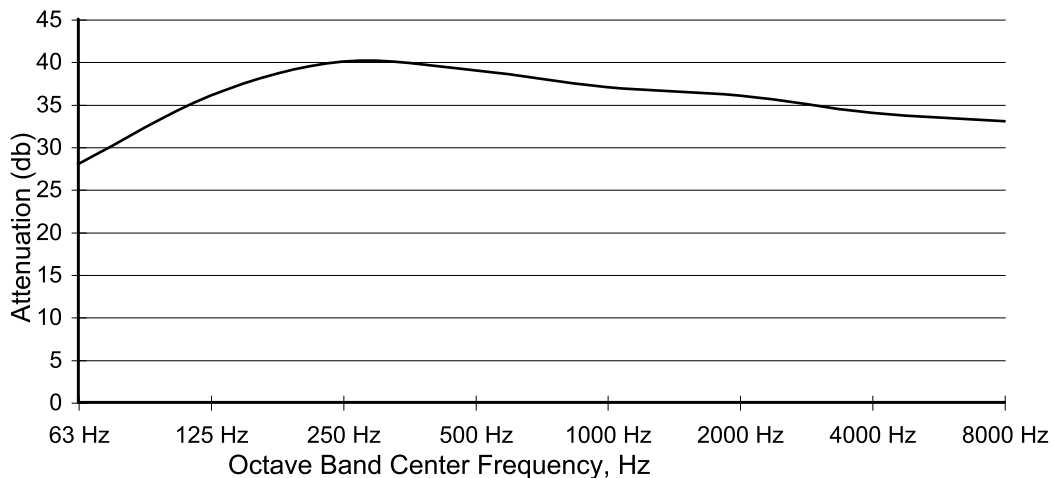
- The SH2 series is used in areas where noise levels are critical such as hospital environments
- A wide range of brackets are available to meet your installation needs
- Can be mounted in any position
- Average noise level reductions: 33-40 dBA

Construction

- Carbon steel construction is standard however other materials such as stainless steel and aluminized steel are available
- Painted with high temperature black paint
- Dual inlets as well as other inlet and outlet configurations are available
- Standard connections are ANSI flanges
- Smaller and larger sizes are available upon request

Model	A	B	D	F (min)	G	WT
SH2-04-0001	4	16	57	6	12	160
SH2-05-0001	5	18	70	8	14	220
SH2-06-0001	6	24	70	8	16	300
SH2-08-0001	8	26	96	10	17	460
SH2-10-0001	10	30	109	12	19	750
SH2-12-0001	12	36	134	14	22	1250
SH2-14-0001	14	42	162	15	25	1950
SH2-16-0001	16	42	162	17	25	2000
SH2-18-0001	18	48	174	18	28	2500
SH2-20-0001	20	54	176	20	31	3300

Representative Attenuation Curve, SH2 Series



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BMES-103 (10/08)

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Ph: 952-486-8588

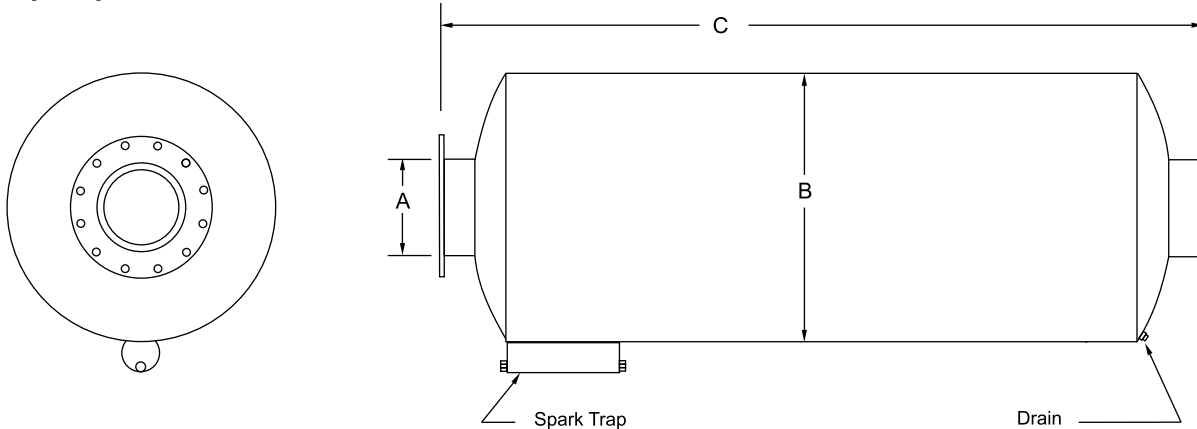
Fax: 952-486-8289

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Spark Arrestor Silencers

Industrial Grade AI1 Series

Body Style 1



Applications

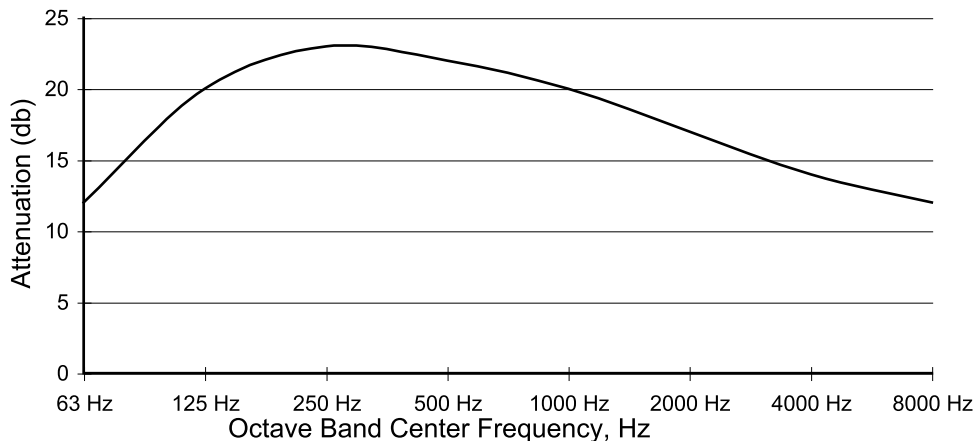
- The AI1 series spark arrestor should be used in areas where the risk of fire exists
- This silencer is intended for use in industrial areas where surrounding noise levels are relatively high
- A wide range of brackets are available to meet your installation needs
- Can be mounted in any position
- Average noise level reductions: 12-18 dBA

Construction

- Carbon steel construction is standard however other materials such as stainless steel and aluminized steel are available
- Painted with high temperature black paint
- Dual inlets as well as other inlet and outlet configurations are available
- Standard connections are ANSI flanges
- Smaller and larger sizes are available upon request

Model	A	B	C	WT
AI1-04-0001	4	14	32	80
AI1-05-0001	5	14	42	100
AI1-06-0001	6	18	49	150
AI1-08-0001	8	22	50	240
AI1-10-0001	10	26	63	320
AI1-12-0001	12	30	76	550
AI1-14-0001	14	36	78	800

Representative Attenuation Curve, AI1 Series



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BMEA-100 (10/08)

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Ph: 952-486-8588

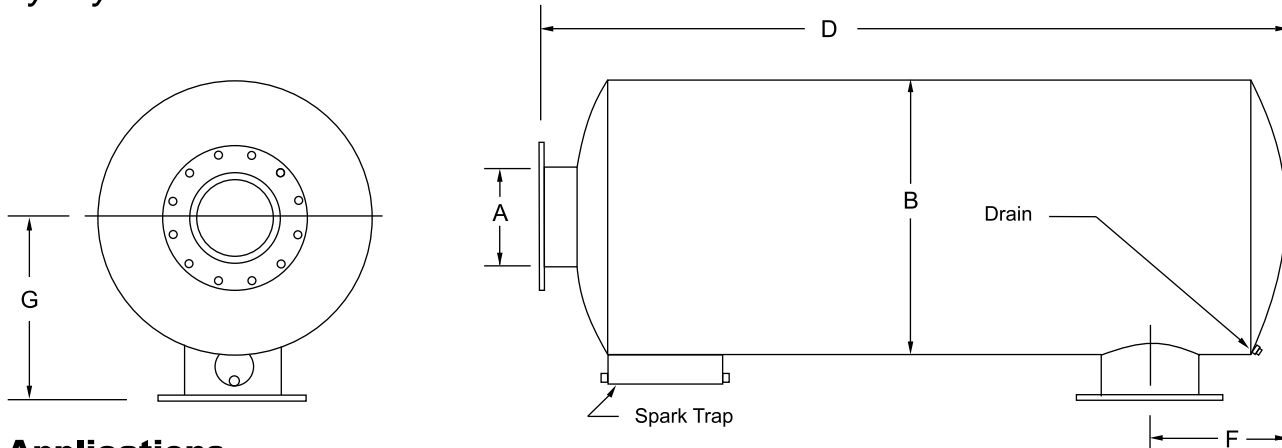
Fax: 952-486-8289

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Spark Arrestor Silencers

Industrial Grade AI2 Series

Body Style 2



Applications

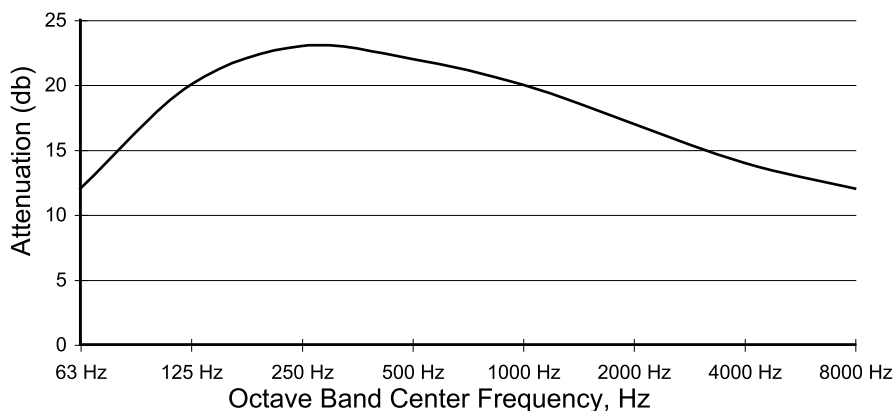
- The AI2 series spark arrestor should be used in areas where the risk of fire exists
- This silencer is intended for use in industrial areas where surrounding noise levels are relatively high
- A wide range of brackets are available to meet your installation needs
- Can be mounted in any position
- Average noise level reductions: 12-18 dBA

Construction

- Carbon steel construction is standard however other materials such as stainless steel and aluminized steel are available
- Painted with high temperature black paint
- Dual inlets as well as other inlet and outlet configurations are available
- Standard connections are ANSI flanges
- Smaller and larger sizes are available upon request

Model	A	B	D	F (min)	G	WT
AI2-04-0001	4	14	31	5	11	80
AI2-05-0001	5	14	39	6	11	100
AI2-06-0001	6	18	40	6	13	150
AI2-08-0001	8	22	46	9	15	240
AI2-10-0001	10	26	60	10	17	320
AI2-12-0001	12	30	61	11	19	550
AI2-14-0001	14	36	75	13	22	800

Representative Attenuation Curve, AI2 Series



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BMEA-100 (10/08)

BelMar Industries

Ph: 952-486-8588

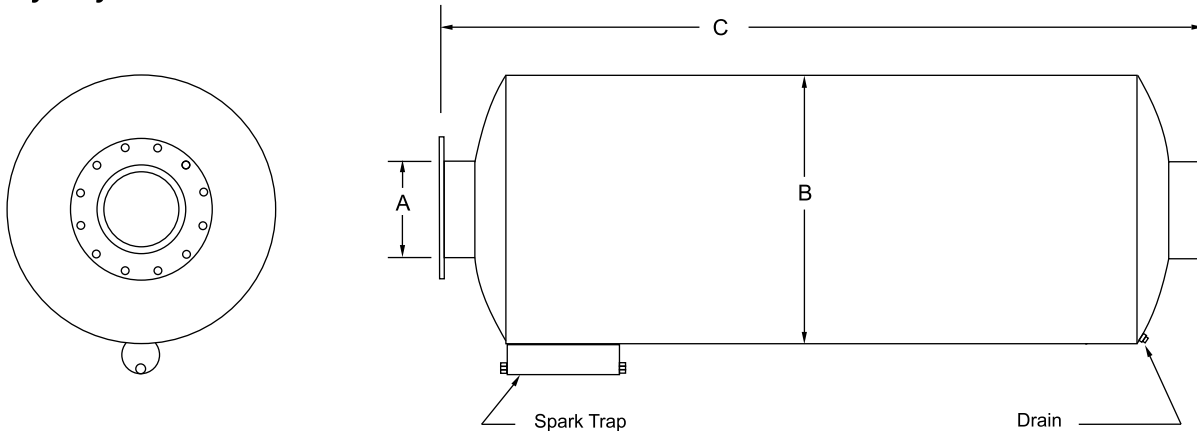
Fax: 952-486-8289

www.belmar-ind.com

Spark Arrestor Silencers

Residential Grade AR1 Series

Body Style 1



Applications

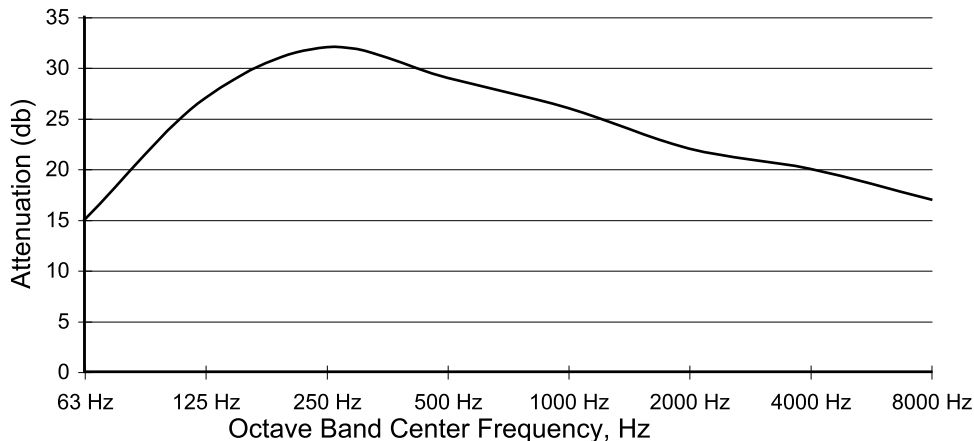
- The AR1 series spark arrestor should be used in areas where a fire hazard exists
- Intended for use where a moderate level of silencing is required
- A wide range of brackets are available to meet your installation needs
- Can be mounted in any position
- Average noise level reductions: 18-25 dBA

Construction

- Carbon steel construction is standard however other materials such as stainless steel and aluminized steel are available
- Painted with high temperature black paint
- Dual inlets as well as other inlet and outlet configurations are available
- Standard connections are ANSI flanges
- Smaller and larger sizes are available upon request

Model	A	B	C	WT
AR1-04-0001	4	12	42	75
AR1-05-0001	5	14	54	125
AR1-06-0001	6	16	61	180
AR1-08-0001	8	18	88	300
AR1-10-0001	10	24	75	450
AR1-12-0001	12	26	88	700
AR1-14-0001	14	30	102	900
AR1-16-0001	16	36	90	1000
AR1-18-0001	18	48	106	1350
AR1-20-0001	20	48	118	1500

Representative Attenuation Curve, AR1 Series



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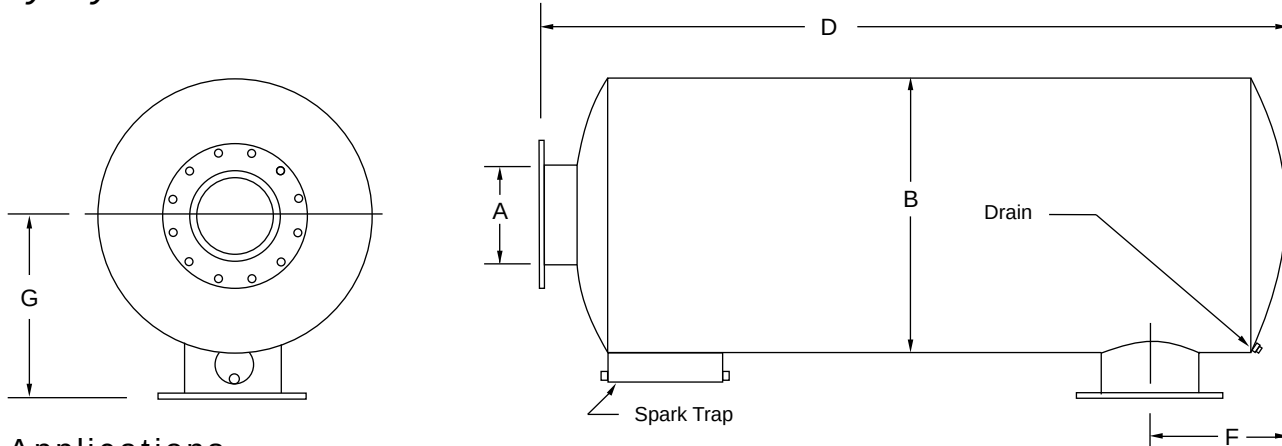
Fax: 952-486-8289

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Spark Arrestor Silencers

Residential Grade AR2 Series

Body Style 2



Applications

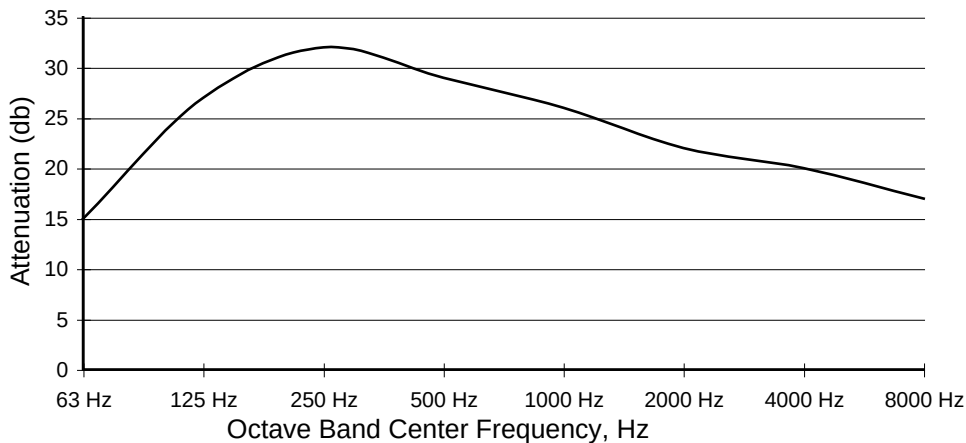
- The AR2 series spark arrestor should be used in areas where a fire hazard exists
- Intended for use where a moderate level of silencing is required
- A wide range of brackets are available to meet your installation needs
- Can be mounted in any position
- Average noise level reductions: 18-25 dBA

Construction

- Carbon steel construction is standard however other materials such as stainless steel and aluminized steel are available
- Painted with high temperature black paint
- Dual inlets as well as other inlet and outlet configurations are available
- Standard connections are ANSI flanges
- Smaller and larger sizes are available upon request

Model	A	B	D	F (min)	G	WT
AR2-04-0001	4	12	42	5	10	75
AR2-05-0001	5	14	51	6	11	125
AR2-06-0001	6	16	57	6	12	180
AR2-08-0001	8	18	69	9	13	300
AR2-10-0001	10	24	84	10	16	450
AR2-12-0001	12	26	97	12	17	700
AR2-14-0001	14	30	97	13	19	900
AR2-16-0001	16	36	110	15	22	1000
AR2-18-0001	18	48	114	16	28	1350
AR2-20-0001	20	48	138	18	28	1500

Representative Attenuation Curve, AR2 Series



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BMEA-101 (10/08)

BelMar Industries

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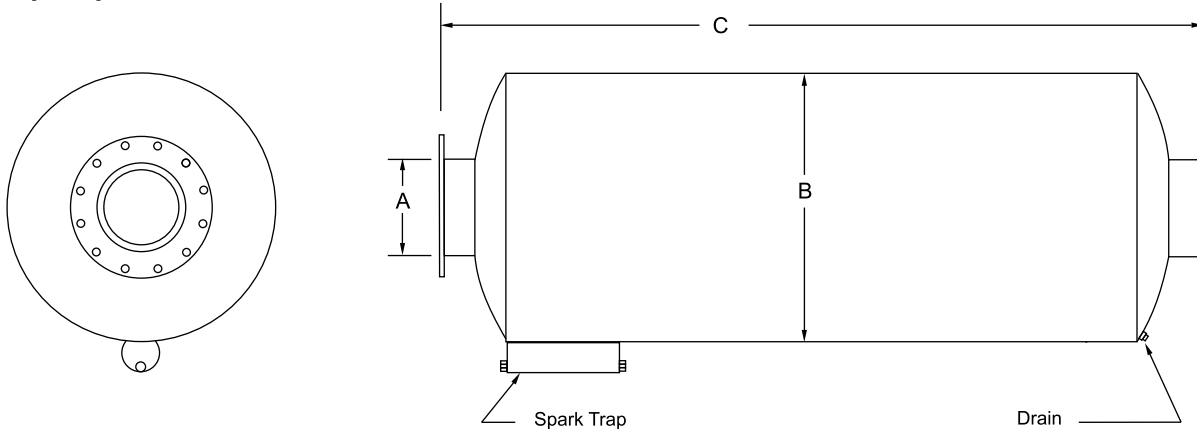
Fax: 952-486-8289

www.belmar-ind.com

Spark Arrestor Silencers

Critical Grade AC1 Series

Body Style 1



Applications

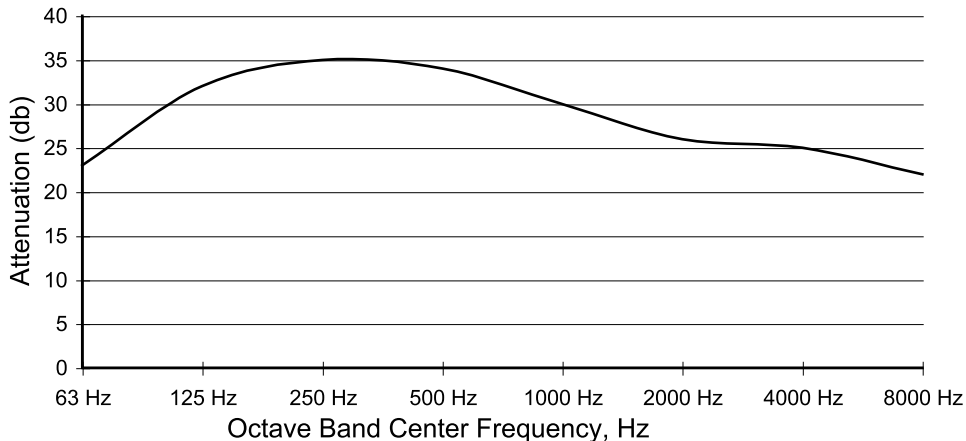
- The AC1 series spark arrestor should be used in areas where a fire hazard exists
- Intended for use where ambient noise levels are low and a high degree of silencing is required
- A wide range of brackets are available to meet your installation needs
- Can be mounted in any position
- Average noise level reductions: 24-34 dBA

Construction

- Carbon steel construction is standard however other materials such as stainless steel and aluminized steel are available
- Painted with high temperature black paint
- Dual inlets as well as other inlet and outlet configurations are available
- Standard connections are ANSI flanges
- Smaller and larger sizes are available upon request

Model	A	B	C	WT
AC1-04-0001	4	14	48	110
AC1-05-0001	5	14	48	130
AC1-06-0001	6	18	61	180
AC1-08-0001	8	22	75	290
AC1-10-0001	10	26	88	370
AC1-12-0001	12	30	102	680
AC1-14-0001	14	36	114	880
AC1-16-0001	16	42	128	1200
AC1-18-0001	18	48	141	1450
AC1-20-0001	20	48	165	1750

Representative Attenuation Curve, AC1 Series



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We will work with you to design the silencer and exhaust components that will save product cost and installation time.

BMEA-102 (10/08)

BelMar Industries

Ph: 952-486-8588

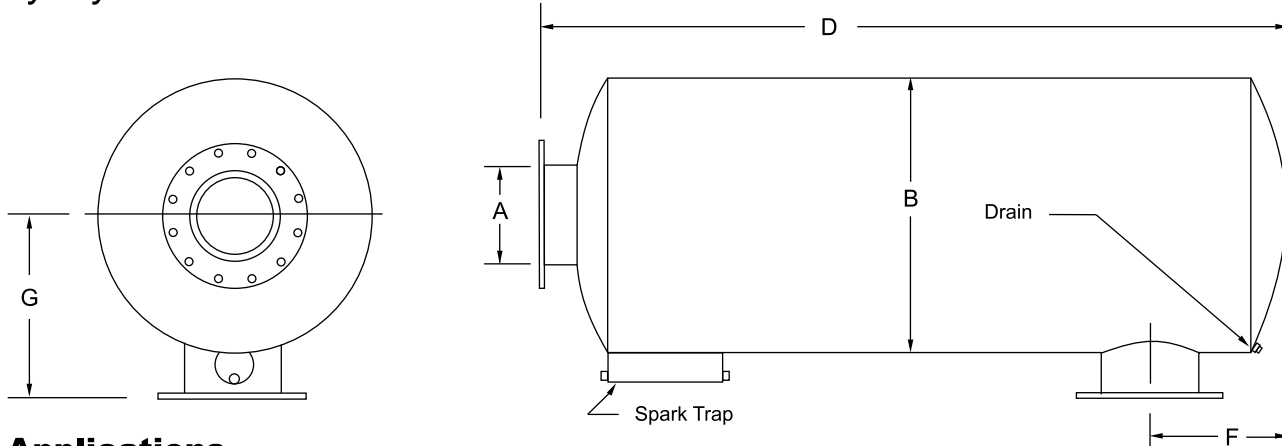
Fax: 952-486-8289

www.belmar-ind.com

Spark Arrestor Silencers

Critical Grade AC2 Series

Body Style 2



Applications

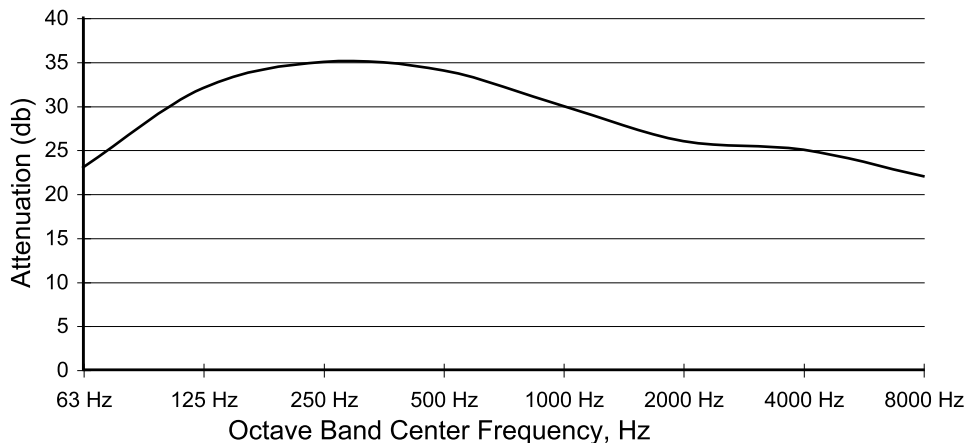
- The AC2 series spark arrestor should be used in areas where a fire hazard exists
- Intended for use where ambient noise levels are low and a high degree of silencing is required
- A wide range of brackets are available to meet your installation needs
- Can be mounted in any position
- Average noise level reductions: 24-34 dBA

Construction

- Carbon steel construction is standard however other materials such as stainless steel and aluminized steel are available
- Painted with high temperature black paint
- Dual inlets as well as other inlet and outlet configurations are available
- Standard connections are ANSI flanges
- Smaller and larger sizes are available upon request

Model	A	B	D	F (min)	G	WT
AC2-04-0001	4	14	50	5	11	110
AC2-05-0001	5	16	57	6	12	130
AC2-06-0001	6	18	63	7	13	180
AC2-08-0001	8	24	71	9	16	290
AC2-10-0001	10	26	96	11	17	370
AC2-12-0001	12	30	97	13	19	680
AC2-14-0001	14	36	112	15	22	880
AC2-16-0001	16	42	124	17	25	1200
AC2-18-0001	18	48	139	18	28	1450
AC2-20-0001	20	48	150	19	28	1750

Representative Attenuation Curve, AC2 Series



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BMEA-102 (10/08)

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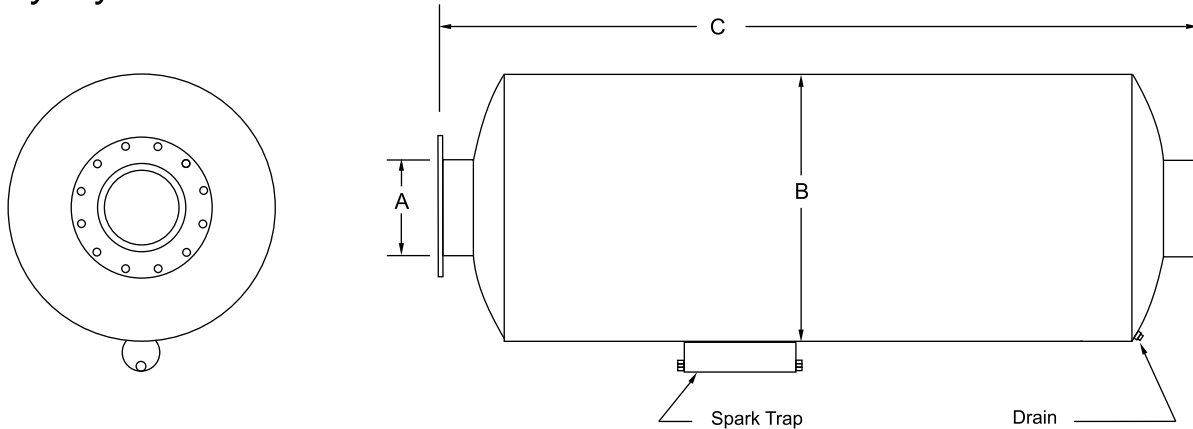
Fax: 952-486-8289

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Spark Arrestor Silencers

Hospital Grade AH1 Series

Body Style 1



Applications

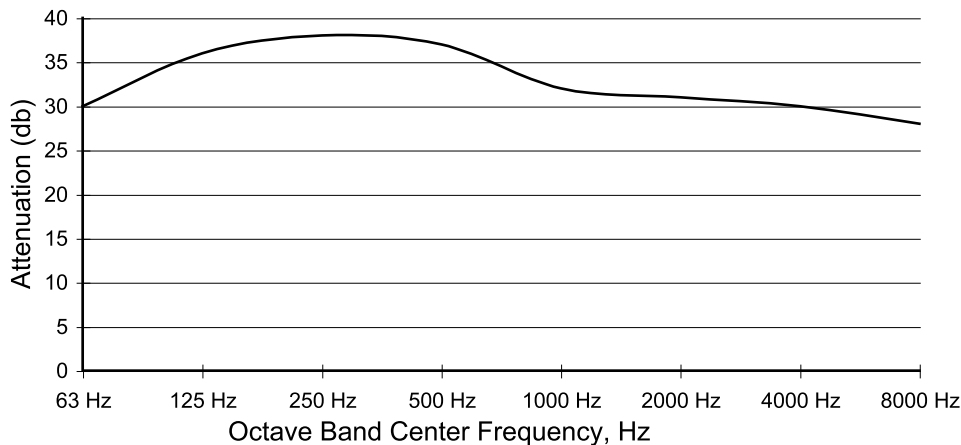
- The AH1 series spark arrestor should be used in areas where a fire hazard exists
- Intended for use in areas where people will be in close proximity
- A wide range of brackets are available to meet your installation needs
- Can be mounted in any position
- Average noise level reductions: 33-40 dBA

Construction

- Carbon steel construction is standard however other materials such as stainless steel and aluminized steel are available
- Painted with high temperature black paint
- Dual inlets as well as other inlet and outlet configurations are available
- Standard connections are ANSI flanges
- Smaller and larger sizes are available upon request

Model	A	B	C	WT
AH1-04-0001	4	16	61	180
AH1-05-0001	5	18	73	260
AH1-06-0001	6	24	73	310
AH1-08-0001	8	26	99	470
AH1-10-0001	10	30	114	800
AH1-12-0001	12	36	138	1350
AH1-14-0001	14	42	164	2000
AH1-16-0001	16	42	165	2100
AH1-18-0001	18	48	180	2500
AH1-20-0001	20	54	184	3400

Representative Attenuation Curve, AH1 Series



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BMEA-103 (10/08)

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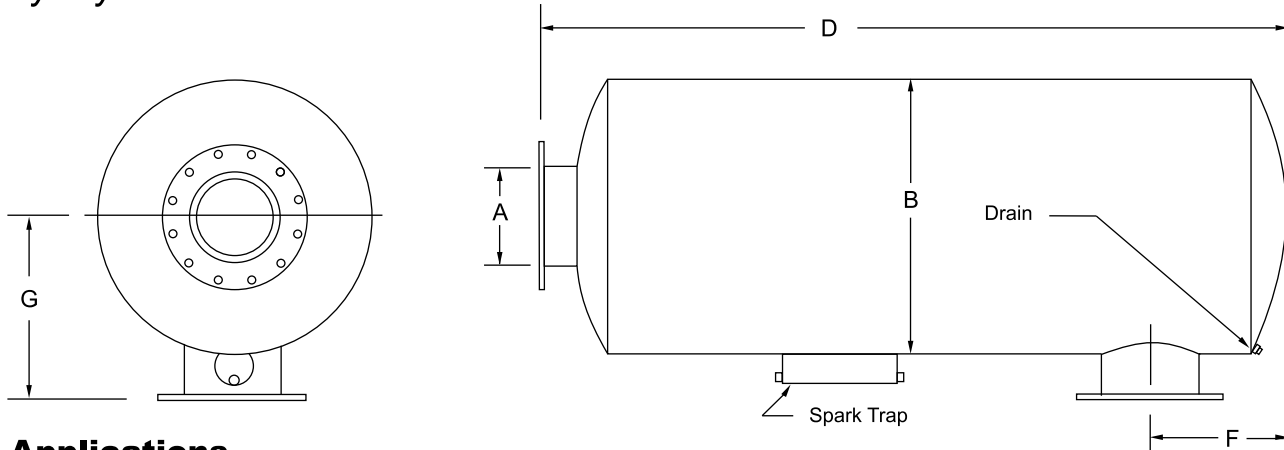
Fax: 952-486-8289

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Spark Arrestor Silencers

Hospital Grade AH2 Series

Body Style 2



Applications

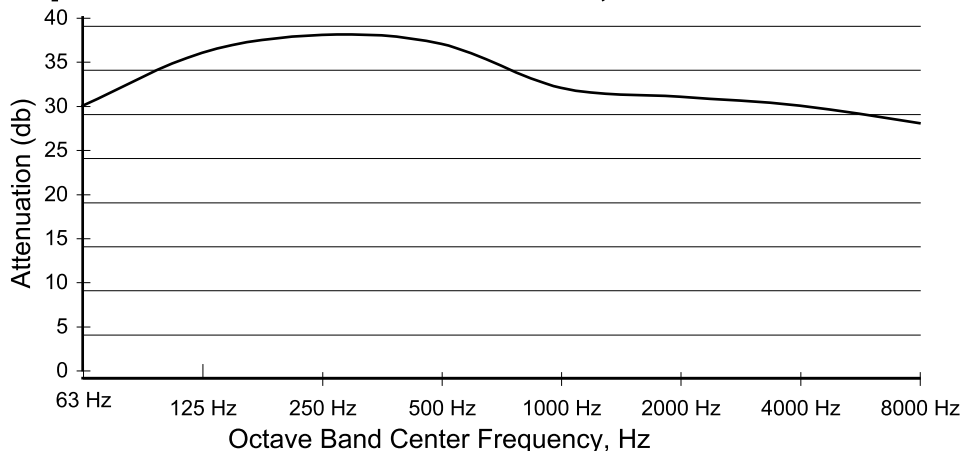
- The AH2 series spark arrestor should be used in areas where a fire hazard exists
- Intended for use in areas where people will be in close proximity
- A wide range of brackets are available to meet your installation needs
- Can be mounted in any position
- Average noise level reductions: 33-40 dBA

Construction

- Carbon steel construction is standard however other materials such as stainless steel and aluminized steel are available
- Painted with high temperature black paint
- Dual inlets as well as other inlet and outlet configurations are available
- Standard connections are ANSI flanges
- Smaller and larger sizes are available upon request

Model	A	B	D	F (min)	G	WT
AH2-04-0001	4	16	57	6	12	180
AH2-05-0001	5	18	70	8	14	260
AH2-06-0001	6	24	71	8	16	310
AH2-08-0001	8	26	96	10	17	470
AH2-10-0001	10	30	110	12	19	800
AH2-12-0001	12	36	134	14	22	1350
AH2-14-0001	14	42	162	15	25	2000
AH2-16-0001	16	42	162	17	25	2100
AH2-18-0001	18	48	176	18	28	2500
AH2-20-0001	20	54	180	20	31	3400

Representative Attenuation Curve, AH2 Series



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BMEA-103 (10/08)

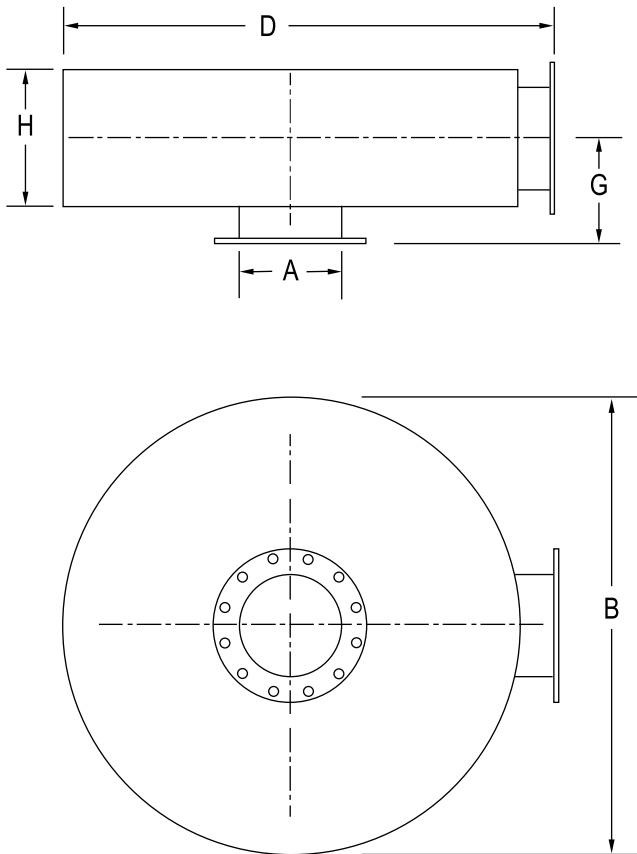
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Residential Grade DR2 Series



Applications

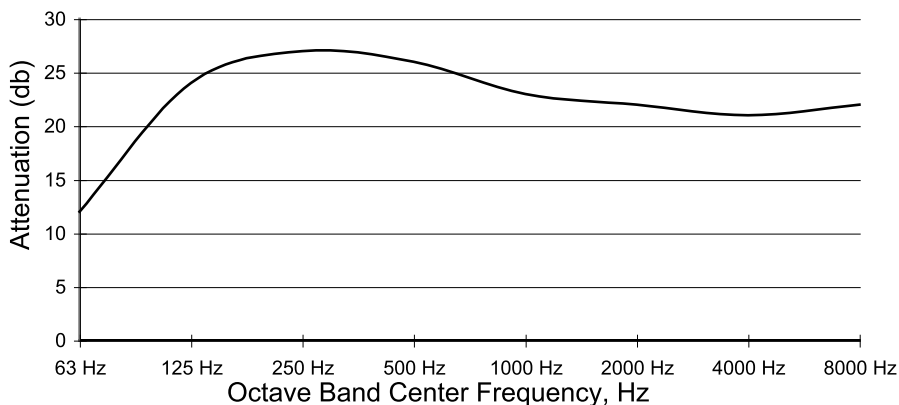
- The DR2 series is a low profile silencer intended for areas where moderate levels of silencing are needed
- A wide range of brackets are available to meet your installation needs
- Average noise level reductions: 18-25 dBA

Construction

- A combination of absorptive and reactive chambers
- Carbon steel construction is standard however other materials such as stainless steel and aluminized steel are available
- Painted with high temperature black paint
- Dual inlets as well as other inlet and outlet configurations are available
- Standard connections are ANSI flanges
- Fiberglass packed shell:
 - Reduces airborne and shell radiated noise
 - Reduces outer surface temperatures
- Smaller and larger sizes are available upon request

Model	A	B	D	G	H	WT
DR2-04-0001	4	20	24	8	9	75
DR2-05-0001	5	24	28	8.5	10	90
DR2-06-0001	6	24	28	9	11	110
DR2-08-0001	8	30	34	10.25	13	180
DR2-10-0001	10	36	40	11.25	15	280
DR2-12-0001	12	48	52	12.25	17	430
DR2-14-0001	14	48	52	14	20	560
DR2-16-0001	16	54	58	15	22	650
DR2-18-0001	18	60	64	16	24	810

Representative Attenuation Curve, DR2 Series



Customize your exhaust system to meet your application needs!

We will work with you to design the silencer and exhaust components that will save product cost and installation time.

BMED-100 (10/08)

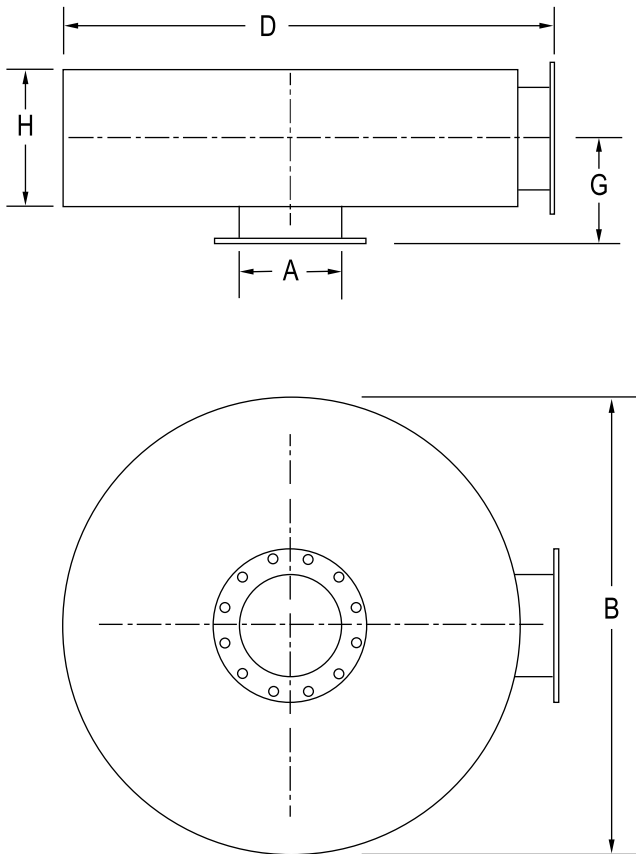
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Critical Grade DC2 Series



Applications

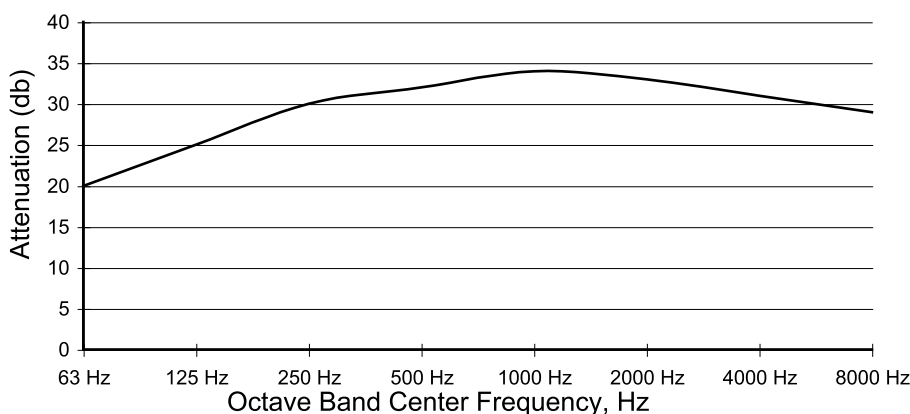
- The DC2 series is a low profile silencer intended for use where ambient noise levels are low and a high degree of silencing is required
- A wide range of brackets are available to meet your installation needs
- Average noise level reductions: 24-34 dBA

Construction

- A combination of absorptive and reactive chambers
- Carbon steel construction is standard however other materials such as stainless steel and aluminized steel are available
- Painted with high temperature black paint
- Dual inlets as well as other inlet and outlet configurations are available
- Standard connections are ANSI flanges
- Fiberglass packed shell:
 - Reduces airborne and shell radiated noise
 - Reduces outer surface temperatures
- Smaller and larger sizes are available upon request

Model	A	B	D	G	H	WT
DC2-04-0001	4	24	28	8	9	110
DC2-05-0001	5	30	34	8.5	10	180
DC2-06-0001	6	36	40	9	11	280
DC2-08-0001	8	42	46	10.25	13	390
DC2-10-0001	10	48	52	11.25	15	560
DC2-12-0001	12	60	64	12.25	17	750
DC2-14-0001	14	66	70	14	20	950
DC2-16-0001	16	72	76	15	22	1200
DC2-18-0001	18	84	88	16	24	1500

Representative Attenuation Curve, DC2 Series



Customize your exhaust system to meet your application needs!

We will work with you to design the silencer and exhaust components that will save product cost and installation time.

BMED-100 (10/08)

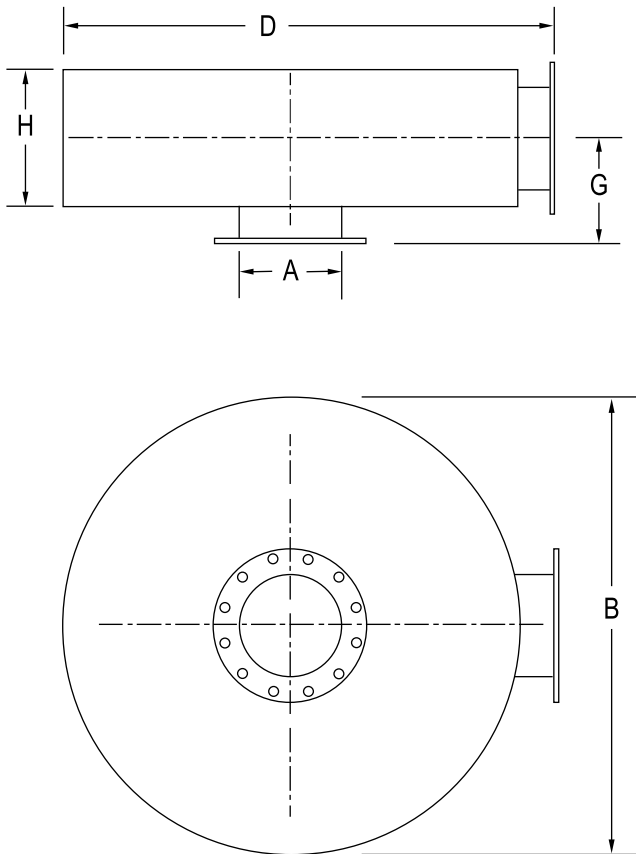
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Fax: 952-486-8289

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Hospital Grade DH2 Series



Applications

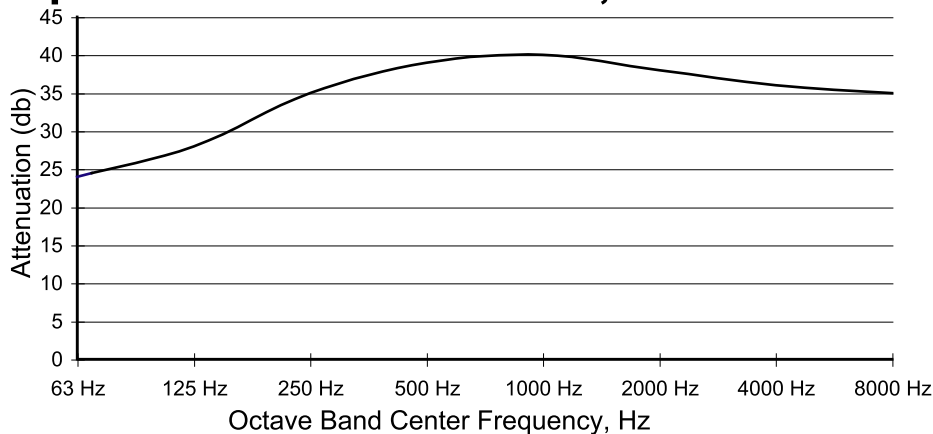
- The DH series is a low profile silencer used in critical areas such as hospital environments
- A wide range of brackets are available to meet your installation needs
- Average noise level reductions: 33-44 dBA

Construction

- A combination of absorptive and reactive chambers
- Carbon steel construction is standard however other materials such as stainless steel and aluminized steel are available
- Painted with high temperature black paint
- Dual inlets as well as other inlet and outlet configurations are available
- Standard connections are ANSI flanges
- Fiberglass packed shell:
 - Reduces airborne and shell radiated noise
 - Reduces outer surface temperatures
- Smaller and larger sizes are available upon request

Model	A	B	D	G	H	WT
DH2-04-0001	4	30	34	8	9	160
DH2-05-0001	5	36	40	8.5	10	240
DH2-06-0001	6	36	40	9	11	300
DH2-08-0001	8	48	52	10.25	13	500
DH2-10-0001	10	60	64	11.25	15	780
DH2-12-0001	12	72	76	12.25	17	1000
DH2-14-0001	14	72	76	15	22	1200
DH2-16-0001	16	72	76	17	26	1400
DH2-18-0001	18	84	88	18	28	1800

Representative Attenuation Curve, DH2 Series



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BMED-101 (10/08)

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Ph: 952-486-8588

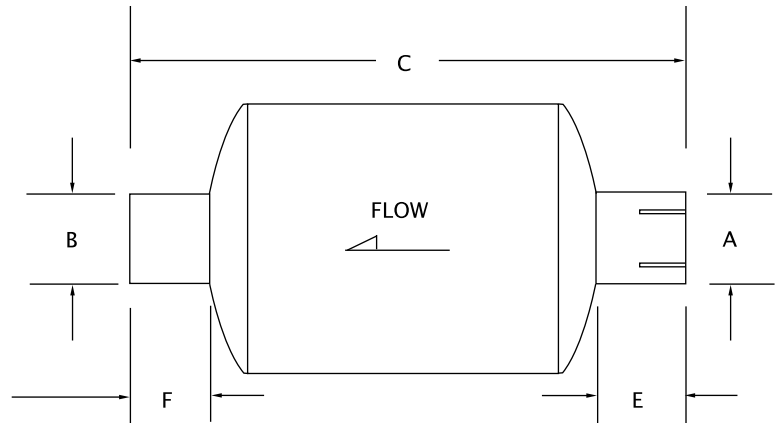
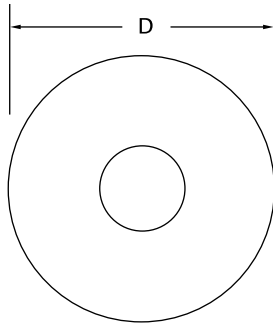
Fax: 952-486-8289

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Compact Silencers

Critical Grade CC1 Series

Body Style 1



Model	A Inlet ID	B Outlet OD	C Overall Length	D Body DIA Nominal	E Inlet Cuff Length	F Outlet Tube Length
CC1-15-0001	1.5	1.5	15	10	3	2
CC1-02-0001	2	2	17	10	3	2
CC1-25-0001	2.5	2.5	19	12	3	2
CC1-03-0001	3	3	22	16	3	2
CC1-35-0001	3.5	3.5	25	16	3	2
CC1-04-0001	4	4	30	16	4	2.5
CC1-05-0001	5	5	33	20	4	2.5
CC1-06-0001	6	6	39	20	4	2.5

Features

The new Belmar Compact Silencer offers a high level of attenuation in a small, light weight package. Its smaller size allows it to be installed in areas where space is at a premium. These silencers can be customized to fit your particular application and installation needs.

Applications

- For use in areas where space is limited
- Can be mounted in any position
- A wide range of brackets are available to complete the exhaust system
- Average noise level reductions: 28-33 dBA

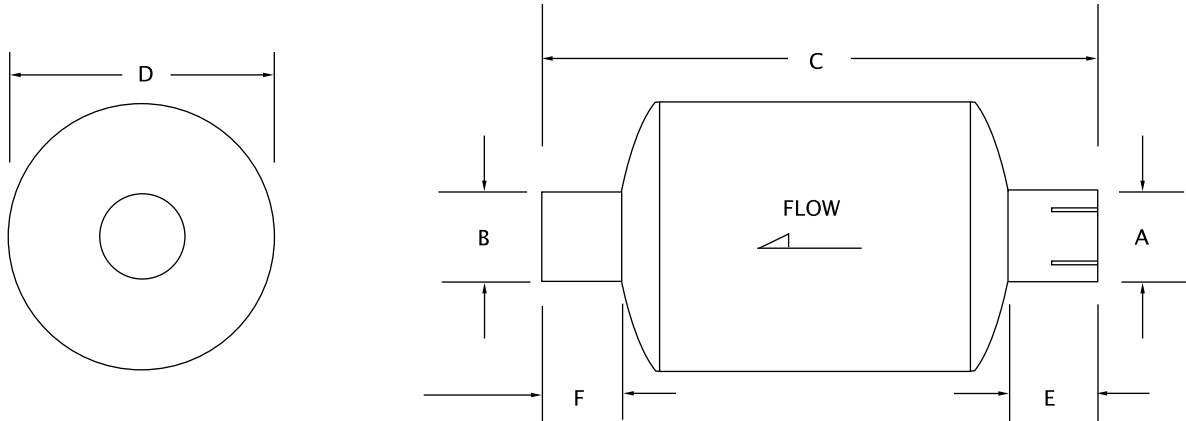
Construction

- Internally reinforced inlet for direct mounting
- Carbon steel construction is standard, painted with high temperature black paint. Other materials, such as stainless steel or aluminized steel are available.

Compact Silencers

Residential Grade CR1 Series

Body Style 1



Model	A Inlet ID	B Outlet OD	C Overall Length	D Body DIA Nominal	E Inlet Cuff Length	F Outlet Tube Length
CR1-15-0001	1.5	1.5	14.5	8	3	2
CR1-02-0001	2	2	16.5	8	3	2
CR1-25-0001	2.5	2.5	18	10	3	2
CR1-03-0001	3	3	20.5	12	3	2
CR1-35-0001	3.5	3.5	22.5	12	3	2
CR1-04-0001	4	4	28	12	4	2.5
CR1-05-0001	5	5	31	16	4	2.5
CR1-06-0001	6	6	37	16	4	2.5

Features

The new Belmar Compact Silencer offers a high level of attenuation in a small, light weight package. Its smaller size allows it to be installed in areas where space is at a premium. These silencers can be customized to fit your particular application and installation needs.

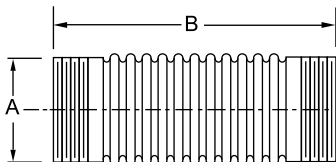
Applications

- For use in areas where space is limited
- Can be mounted in any position
- A wide range of brackets are available to complete the exhaust system
- Average noise level reductions: 22-28 dBA

Construction

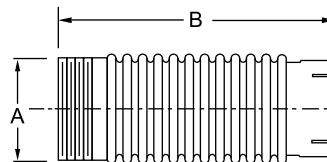
- Internally reinforced inlet for direct mounting
- Carbon steel construction is standard, painted with high temperature black paint. Other materials, such as stainless steel or aluminized steel are available.

Male NPT to Male NPT



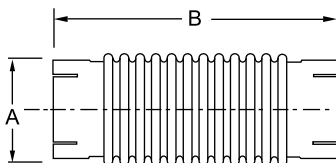
Model	A	B
XA1-15-0001	1.5	18
XA1-02-0001	2	18
XA1-25-0001	2.5	18
XA1-03-0001	3	18
XA1-35-0001	3.5	18
XA1-04-0001	4	18
XA1-05-0001	5	18
XA1-06-0001	6	18

Male NPT to Slotted Cuff



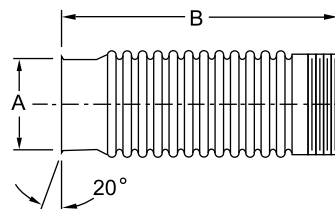
Model	A	B
XB1-02-0001	2	18
XB1-25-0001	2.5	18
XB1-03-0001	3	18
XB1-35-0001	3.5	18
XB1-04-0001	4	18
XB1-05-0001	5	18

Slotted Cuff to Slotted Cuff



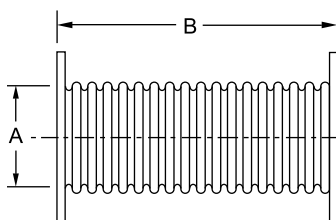
Model	A	B
XA2-02-0001	2	18
XA2-25-0001	2.5	18
XA2-03-0001	3	18
XA2-35-0001	3.5	18
XA2-04-0001	4	18
XA2-05-0001	5	18
XA2-06-0001	6	18

20° Lip Flange to Male NPT



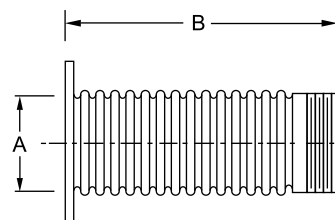
Model	A	B
XB2-04-0001	4	18
XB2-05-0001	5	18
XB2-06-0001	6	18

Flange to Flange



Model	A	B
XA3-04-0001	4	18
XA3-05-0001	5	18
XA3-06-0001	6	18
XA3-08-0001	8	18
XA3-10-0001	10	18
XA3-12-0001	12	18
XA3-14-0001	14	18

Flange to Male NPT



Model	A	B
XB3-02-0001	2	18
XB3-25-0001	2.5	18
XB3-03-0001	3	18
XB3-35-0001	3.5	18
XB3-04-0001	4	18
XB3-05-0001	5	18
XB3-06-0001	6	18

- 321 stainless steel flex hose
- Carbon steel connectors
- Other connections and larger sizes available upon request

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BMEX-100 (10/08)

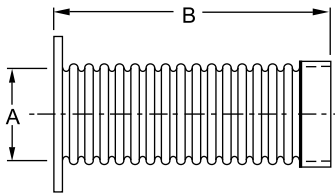
BelMar Industries

Ph: 952-486-8588

Fax: 952-486-8289

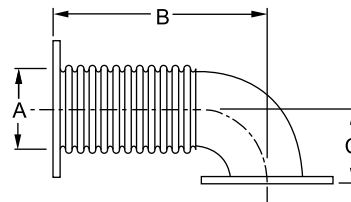
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Flange to Female NPT



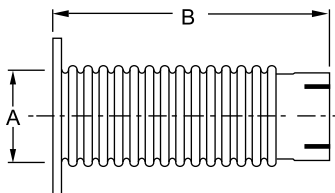
Model	A	B
XB4-02-0001	2	18
XB4-25-0001	2.5	18
XB4-03-0001	3	18
XB4-35-0001	3.5	18
XB4-04-0001	4	18
XB4-05-0001	5	18
XB4-06-0001	6	18

Flange to Flanged 90° Elbow



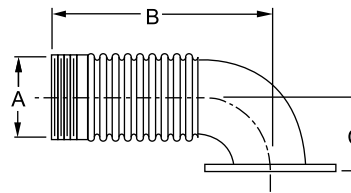
Model	A	B	C
XC1-04-0001	2	18	8
XC1-05-0001	2.5	18	10
XC1-06-0001	3	18	10
XC1-08-0001	3.5	18	8

Flange to Slotted Cuff



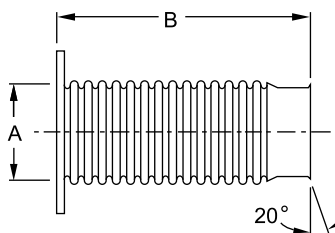
Model	A	B
XB5-02-0001	2	18
XB5-25-0001	2.5	18
XB5-03-0001	3	18
XB5-35-0001	3.5	18
XB5-04-0001	4	18
XB5-05-0001	5	18
XB5-06-0001	6	18

Male NPT to Flanged 90° Elbow



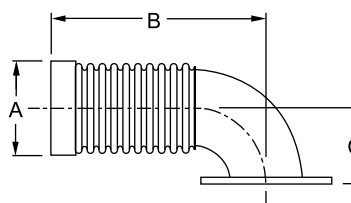
Model	A	B	C
XC2-04-0001	4	18	8
XC2-05-0001	5	18	10
XC2-06-0001	6	18	10

Flange to 20° Lip Flange



Model	A	B
XB6-04-0001	4	18
XB6-05-0001	5	18
XB6-06-0001	6	18

Female NPT to Flanged 90° Elbow



Model	A	B	C
XC3-04-0001	4	18	8
XC3-05-0001	5	18	10
XC3-06-0001	6	18	10

- 321 stainless steel flex hose
- Carbon steel connectors
- Other connections and larger sizes available upon request

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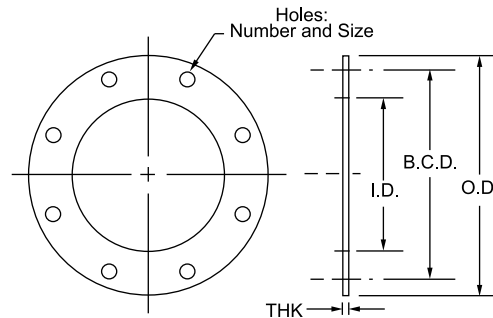
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Pipe Flanges Model HA1 Tubing Flanges Model HA2



Pipe Plate Flanges: 125/150# ANSI Steel Welding

Size	Model	I.D.	O.D.	No. of Holes	Size of Holes	B.C.D.	Thickness	Weight
2	HA1-02-0001	2 7/16	6	4	3/4	4 3/4	1/2	2
2 1/2	HA1-25-0001	3	7	4	3/4	5 1/2	1/2	2
3	HA1-03-0001	3 9/16	7 1/2	4	3/4	6	1/2	3
3 1/2	HA1-35-0001	4 1/16	8 1/2	8	3/4	7	1/2	4
4	HA1-04-0001	4 9/16	9	8	3/4	7 1/2	1/2	6
5	HA1-05-0001	5 5/8	10	8	7/8	8 1/2	1/2	7
6	HA1-06-0001	6 11/16	11	8	7/8	9 1/2	1/2	9
8	HA1-08-0001	8 3/4	13 1/2	8	7/8	11 3/4	1/2	12
10	HA1-10-0001	10 7/8	16	12	1	14 1/4	1/2	15
12	HA1-12-0001	12 7/8	19	12	1	17	1/2	22
14	HA1-14-0001	14 3/16	21	12	1 1/8	18 3/4	1/2	25
16	HA1-16-0001	16 3/16	23 1/2	16	1 1/8	21 1/4	1/2	28
18	HA1-18-0001	18 3/16	25	16	1 1/4	22 3/4	1/2	32
20	HA1-20-0001	20 3/16	27 1/2	20	1 1/4	25	1/2	35
22	HA1-22-0001	22 3/16	29 1/2	20	1 3/8	27 1/4	1/2	38
24	HA1-24-0001	24 3/16	32	20	1 3/8	29 1/2	1/2	45

Tube Plate Flanges: 125/150# ANSI Steel Welding

Size	Model	I.D.	O.D.	No. of Holes	Size of Holes	B.C.D.	Thickness	Weight
2	HA2-02-0001	2 1/16	6	4	3/4	4 3/4	1/2	2
2 1/2	HA2-25-0001	2 9/16	7	4	3/4	5 1/2	1/2	2
3	HA2-03-0001	3 1/16	7 1/2	4	3/4	6	1/2	3
3 1/2	HA2-35-0001	3 9/16	8 1/2	8	3/4	7	1/2	4
4	HA2-04-0001	4 1/16	9	8	3/4	7 1/2	1/2	6
5	HA2-05-0001	5 1/16	10	8	7/8	8 1/2	1/2	7
6	HA2-06-0001	6 1/16	11	8	7/8	9 1/2	1/2	9
8	HA2-08-0001	8 1/16	13 1/2	8	7/8	11 3/4	1/2	12
10	HA2-10-0001	10 1/16	16	12	1	14 1/4	1/2	15
12	HA2-12-0001	12 1/16	19	12	1	17	1/2	22

* Flange kits available. Kits include: (1) flange, (1) gasket, (1) set of bolts and nuts

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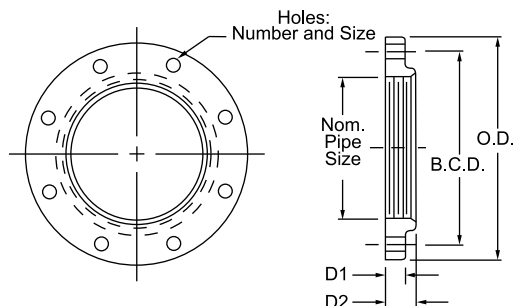
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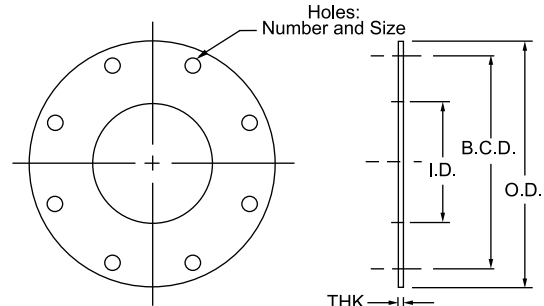
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Threaded Flanges Model HC1 Reducing Flanges Model HC2

Cast Iron Threaded Flanges



Steel Welding Single Reducing Plate Flanges



Cast Iron Threaded Flanges

Size	Model	O.D.	D-1 Thickness	D-2 Thickness	No. of Holes	Size of Holes	B.C.D.	Weight
2	HC1-02-0001	6	5/8	1	4	3/4	4 3/4	4
2 1/2	HC1-25-0001	7	11/16	1 1/8	4	3/4	5 1/2	6
3	HC1-03-0001	7 1/2	3/4	1 3/16	4	3/4	6	7
3 1/2	HC1-35-0001	8 1/2	13/16	1 1/4	8	3/4	7	10
4	HC1-04-0001	9	15/16	1 15/16	8	3/4	7 1/2	11
5	HC1-05-0001	10	15/16	1 7/16	8	7/8	8 1/2	14
6	HC1-06-0001	11	1	1 9/16	8	7/8	9 1/2	17
8	HC1-08-0001	13 1/2	1 1/8	1 3/4	8	7/8	11 3/4	28
10	HC1-10-0001	16	1 3/16	1 15/16	12	1	14 1/4	39

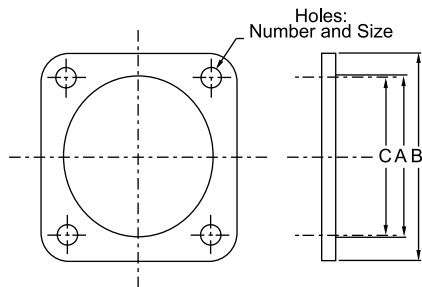
Steel Welding Single Reducing Plate Flanges

Size	Model	I.D.	O.D.	No. of Holes	Size of Holes	B.C.D.	Thickness	Weight
5 X 4	HC2-05-0001	4 9/16	10	8	7/8	8 1/2	1/2	7
6 X 5	HC2-06-0001	5 5/8	11	8	7/8	9 1/2	1/2	9
8 X 6	HC2-08-0001	6 11/16	13 1/2	8	7/8	11 3/4	1/2	14.5
10 X 8	HC2-10-0001	8 3/4	16	12	1	14 1/4	1/2	17
12 X 10	HC2-12-0001	10 7/8	19	12	1	17	1/2	26
14 X 12	HC2-14-0001	12 7/8	21	12	1 1/8	18 3/4	1/2	29
16 X 14	HC2-16-0001	14 3/16	23 1/2	16	1 1/8	21 1/4	1/2	37
18 X 16	HC2-18-0001	16 3/16	25	16	1 1/4	22 3/4	1/2	38
20 X 18	HC2-20-0001	18 3/16	27 1/2	20	1 1/4	25	1/2	44
22 X 20	HC2-22-0001	20 3/16	29 1/2	20	1 3/8	27 1/4	1/2	47
24 X 22	HC2-24-0001	22 3/16	32	20	1 3/8	29 1/2	1/2	55

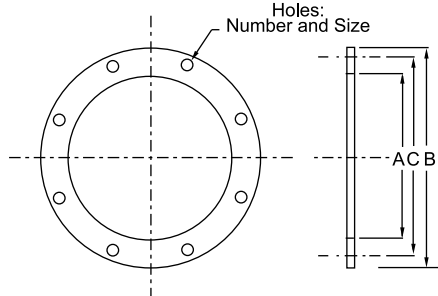
* Flange kits available. Kits include: (1) flange, (1) gasket, (1) set of bolts and nuts.

Caterpillar Flange Model HB1
Cummins/Onan Flange Model HB2
Detroit Diesel Flange Model HB3

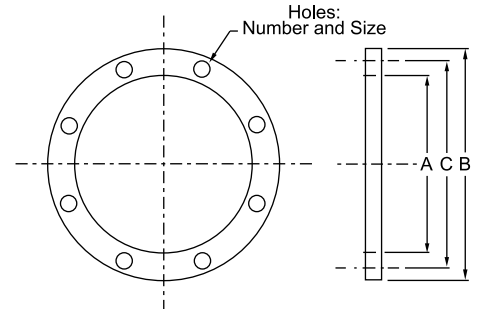
Caterpillar Style 1



Caterpillar Style 2



Cummins/Onan/Detroit Diesel



Caterpillar Flange

Size	Model	Style No.	I.D. (A)	O.D. (B)	B.C.D. (C)	Size of Holes	No. of Holes	Thickness	Weight
2 1/2	HB1-25-0001	---	Perkins/Caterpillar 3054/3056				3	1/2	0.5
3	HB1-03-0001	---	Perkins/Caterpillar 3056T				3	1/2	0.5
3	HB1-03-0002	2	3	5.91	4.92	0.54	4	1/2	1.5
4	HB1-04-0001	1	4.1	5.5	4.13	0.56	4	1/2	2
5	HB1-05-0001	1	5.1	6.5	5	0.75	4	1/2	3
6	HB1-06-0001	1	6.1	7.75	6	0.81	4	1/2	4
8	HB1-08-0001	2	8.1	11	9.88	0.56	8	1/2	6
10	HB1-10-0001	2	10.1	13.5	12.44	0.5	12	1/2	8.75
12	HB1-12-0001	2	12.1	16	14.8	0.56	12	1/2	11.75
14	HB1-14-0001	2	14.1	18	17	0.56	12	1/2	14
16	HB1-16-0001	2	16.1	23.5	21.25	0.84	16	1/2	31.5
18	HB1-18-0001	2	18.1	21.85	20.87	0.54	16	1/2	26

Cummins/Onan Flange

Size	Model	I.D. (A)	O.D. (B)	B.C.D. (C)	Size of Holes	No. of Holes	Thickness	Weight
5	HB2-05-0001	5.1	8	7.19	0.56	8	1/2	4
6	HB2-06-0001	6.1	8	7.19	0.56	8	1/2	2.75

Detroit Diesel Flange

Size	Model	I.D. (A)	O.D. (B)	B.C.D. (C)	Size of Holes	No. of Holes	Thickness	Weight
8	HB3-08-0001	8.13	11	9.88	0.625	8	1/2	6
10	HB3-10-0001	10.13	13	11.88	0.56	8	1/2	8

* Flange kits available. Kits include: (1) flange, (1) gasket, (1) set of bolts and nuts.

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Ring Gaskets Models HE1, HE2, HE3, HE4

Nut/Bolt/Gasket Kit Models HD1, HD2, HD3, HD4

Ring Gaskets

125/150# ANSI Flange

Size	Model
2	HE1-02-0001
2 1/2	HE1-25-0001
3	HE1-03-0001
3 1/2	HE1-35-0001
4	HE1-04-0001
5	HE1-05-0001
6	HE1-06-0001
8	HE1-08-0001
10	HE1-10-0001
12	HE1-12-0001
14	HE1-14-0001
16	HE1-16-0001
18	HE1-18-0001
20	HE1-20-0001
22	HE1-22-0001
24	HE1-24-0001

Caterpillar Flange

Size	Model
4	HE2-04-0001
5	HE2-05-0001
6	HE2-06-0001
8	HE2-08-0001
10	HE2-10-0001
12	HE2-12-0001
14	HE2-14-0001
16	HE2-16-0001
18	HE2-18-0001

Cummins Flange

Size	Model
5	HE3-05-0001
6	HE3-06-0001

Detroit Diesel Flange

Size	Model
8	HE4-08-0001
10	HE4-10-0001

Nut/Bolt/Gasket Kit

125/150# ANSI Flange

Size	Model
2	HD1-02-0001
2 1/2	HD1-25-0001
3	HD1-03-0001
3 1/2	HD1-35-0001
4	HD1-04-0001
5	HD1-05-0001
6	HD1-06-0001
8	HD1-08-0001
10	HD1-10-0001
12	HD1-12-0001
14	HD1-14-0001
16	HD1-16-0001
18	HD1-18-0001
20	HD1-20-0001
22	HD1-22-0001
24	HD1-24-0001

Caterpillar Flange

Size	Model
4	HD2-04-0001
5	HD2-05-0001
6	HD2-06-0001
8	HD2-08-0001
10	HD2-10-0001
12	HD2-12-0001
14	HD2-14-0001
16	HD2-16-0001
18	HD2-18-0001

Cummins Flange

Size	Model
5	HD3-05-0001
6	HD3-06-0001

Detroit Diesel Flange

Size	Model
8	HD4-08-0001
10	HD4-10-0001

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