

APPLICATION

Vent silencers are designed to handle any high velocity gas discharge-- usually flowing from a high upstream pressure condition -- to atmosphere through a discharge or relief valve. Typical applications include:

- Process Gas Vents
- Switch Valves & Steam Vents
- Compressor Blowoff
- Autoclaves
- Air or Gas Blowdowns

Applications may be continuous or intermittent; constant volume or blowdown operation.

**Recommended maximum flow velocity is
250 to 300 feet per second.**

PERFORMANCE RATINGS:

- 204-6100 Industrial Grade
- 204-7100 Residential Grade
- 204-8100 Critical Grade

CONSTRUCTION

A rugged, all welded heavy gauge steel construction with special acoustical fiberglass packing. Silencers feature a high impact inlet with protective blast plate, and internal safety guard for outlet end. Silencers are standard with a 150# ANSI Raised Faced flanged inlet, and a plain pipe stub outlet.

Available in stainless steel.

INSTALLATION

May be installed vertically or horizontally.

FINISH

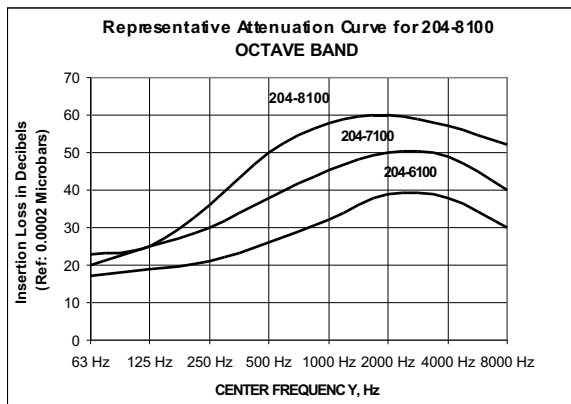
Standard finish is high heat silicone black. Consult factory for optional coatings,

**ESTIMATED OVERALL SOUND PRESSURE LEVELS
GENERATED BY ATMOSPHERIC VENTS -- BASED ON AIR
AT 100 (F) UPSTREAM PRESSURE**
(dB Ref 0.0002 Microbars measured at 10 ft from source)

VALVE SIZE	UPSTREAM PRESSURE - PSIA					
	50	100	250	500	1000	2000
1	106	113	120	126	133	139
2	112	119	126	132	139	145
3	115	122	129	135	142	148
4	118	125	132	138	145	151
6	121	128	135	141	148	154
8	124	131	138	144	151	157
10	126	133	140	146	153	159
12	128	125	142	148	155	161

APPROXIMATE dB REDUCTION DUE TO DISTANCE
(NON DIRECTIONAL, UNOBSTRUCTED OUTDOOR SOURCE)

DISTANCE (FT)	FREQUENCY BAND, Hz							
	63	125	250	500	1000	2000	4000	8000
10-11	18	18	18	18	18	18	18	18
12-14	20	20	20	20	20	20	20	20
15-18	22	22	22	22	22	22	22	22
19-23	24	24	24	24	24	24	24	24
24-29	26	26	26	26	26	26	26	26
30-37	28	28	28	28	28	28	28	28
38-47	30	30	30	30	30	30	30	30
48-59	32	32	32	32	32	32	32	32
60-75	34	34	34	34	34	34	34	34
76-94	36	36	36	36	36	36	36	36
95-111	38	38	38	38	38	38	38	38
112-140	40	40	40	40	40	40	41	42
141-177	42	42	42	42	42	42	43	44
178-223	44	44	44	44	44	45	46	47



GT Exhaust Systems, Inc.

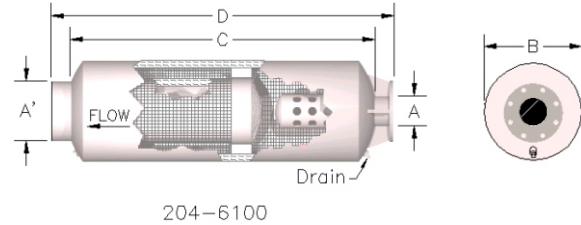
Phone: 402-323-7272 Fax: 402-323-7270

204 Vent Series

204-6100, 7100, 8100

204-6100 INDUSTRIAL GRADE

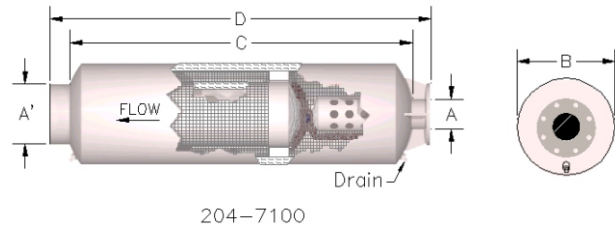
MODEL	INLET A	OUTLET A'	B DIA	C	D OAL	WT
204-6104	2	4	12	24	32	75
204-6105	2.5	5	14	30	38	105
204-6106	3	6	16	30	38	125
204-6108	4	8	18	36	44	190
204-6110	5	10	20	42	50	250
204-6112	6	12	24	48	56	345
204-6114	6	14	28	60	68	485
204-6116	8	16	30	66	74	565
204-6118	8	18	36	72	80	900
204-6120	10	20	36	78	88	990
204-6122	10	22	42	84	94	1290
204-6124	12	24	42	90	100	1410
204-6126	12	26	48	90	100	1770
204-6128	14	28	48	96	106	1845



204-6100

204-7100 RESIDENTIAL GRADE

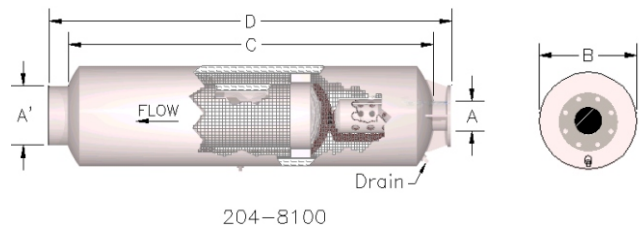
MODEL	INLET A	OUTLET A'	B DIA	C	D OAL	WT
204-7104	2	4	12	36	44	95
204-7105	2.5	5	14	48	56	135
204-7106	3	6	16	48	56	165
204-7108	4	8	18	54	62	215
204-7110	5	10	20	60	68	305
204-7112	6	12	24	72	80	465
204-7114	6	14	28	90	98	635
204-7116	8	16	30	96	104	790
204-7118	8	18	36	108	115	1005
204-7120	10	20	36	120	130	1395
204-7122	10	22	42	120	130	1685
204-7124	12	24	42	132	142	1985
204-7126	12	26	48	132	142	2190
204-7128	14	28	48	144	154	2490



204-7100

204-8100 CRITICAL GRADE

MODEL	INLET A	OUTLET A'	B DIA	C	D OAL	WT
204-8104	2	4	12	48	56	120
204-8105	2.5	5	14	60	68	165
204-8106	3	6	16	60	68	205
204-8108	4	8	18	72	80	290
204-8110	5	10	20	84	92	410
204-8112	6	12	24	96	104	610
204-8114	6	14	28	120	128	900
204-8116	8	16	30	132	140	1010
204-8118	8	18	36	144	152	1290
204-8120	10	20	36	156	166	1590
204-8122	10	22	42	168	178	2100
204-8124	12	24	42	180	190	2585
204-8126	12	26	48	180	190	2790
204-8128	14	28	48	192	202	3280



204-8100

All dimensions are in inches.
 Consult Factory for Larger Sizes
 Vent Silencers are standard with internal safety outlet guard.