

# Vent Silencers

**B21  
B13  
B14**

## Design

### Model B21

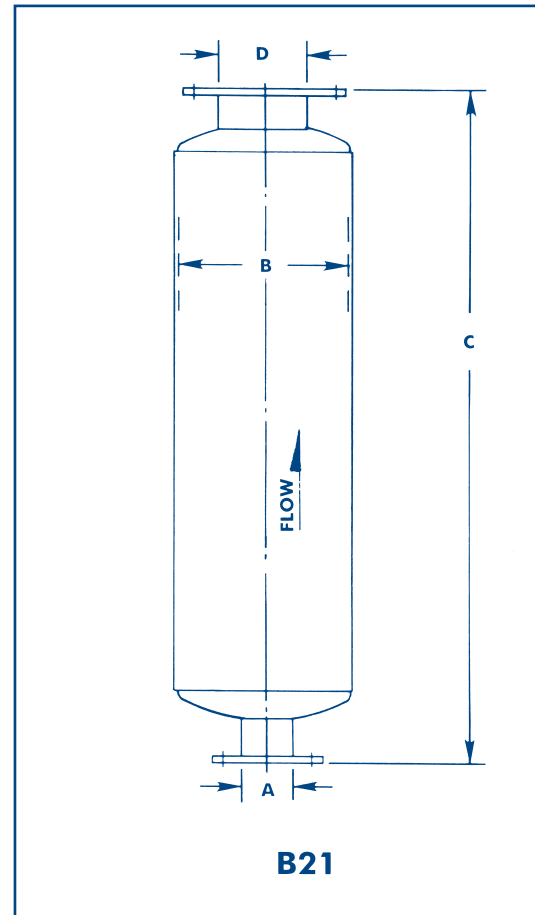
Absorption style silencer employing a single stage diffuser and containing a perforated tube surrounded by acoustic material packed to a controlled density to achieve silencing.

### Model B13 and B14

Absorption type silencers employing a single or multi-stage diffuser, and containing an acoustic core to decrease high frequency noise.

## Construction

All welded construction of sheet and plate steel. Absorption material appropriate for operation conditions. Exterior surfaces are prime coated. Flanges are drilled to match 125 lb. American Standard Flanges. Side connections, mounting brackets, flanged outlet nozzle, or special paint available at extra cost.



Octave Band Center Frequency (HZ)	63	125	250	500	1K	2K	4K	8K
Typical Attenuation (dB) Model B21	8	10	14	19	30	33	30	28
Typical Attenuation (dB) Model B13	14	21	25	31	35	40	38	35
Typical Attenuation (dB) Model B14	18	23	29	38	44	47	45	40

Model	A	B	C	D	Wt.
B21-5	2	12	66	5	96
B21-6	3	12	78	6	125
B21-8	4	14	86	8	150
B21-10	6	16	106	10	230

Model	A	B	C	Wt.
B13-8	4	18	45	180
B13-10	5	20	50	300
B13-12	6	24	60	420
B13-14	6	26	65	585
B13-16	8	30	68 <sup>1</sup> / <sub>2</sub>	822
B13-18	8	30	75	900
B13-20	10	36	90	1530
B13-22	10	36	97	1649
B13-24	12	42	106	2014
B13-26	12	42	106	2176
B13-28	14	48	112	2464
B13-30	14	48	121	2662
B13-36	18	60	150	4950
B13-42	22	66	171	6840
B13-48	24	72	172	7568
B13-54	26	78	196	9212
B13-60	30	84	210	10920

Model	A	B	C	Wt.
B14-8	4	18	55	220
B14-10	5	20	67 <sup>1</sup> / <sub>2</sub>	405
B14-12	6	24	78	546
B14-14	6	26	84	756
B14-16	8	30	92 <sup>1</sup> / <sub>2</sub>	1110
B14-18	8	30	97 <sup>1</sup> / <sub>2</sub>	1170
B14-20	10	36	117 <sup>3</sup> / <sub>8</sub>	1997
B14-22	10	36	129 <sup>5</sup> / <sub>8</sub>	2200
B14-24	12	42	130	2470
B14-26	12	42	130	2530
B14-28	14	48	143	3146
B14-30	14	48	157	3454
B14-36	18	60	194 <sup>1</sup> / <sub>2</sub>	6418
B14-42	22	66	215	8600
B14-48	24	72	232	10208
B14-54	26	78	256	12032
B14-60	30	84	258	13416

