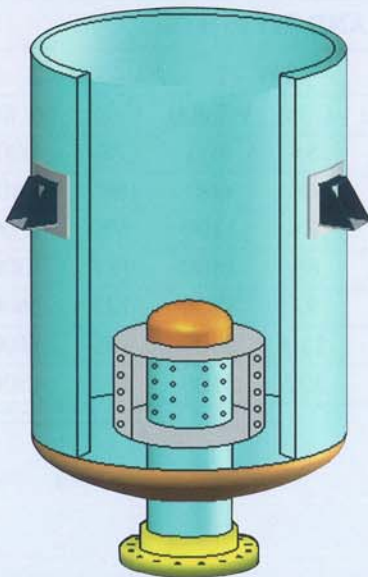




TH SERIES HIGH PRESSURE VENT AND BLOWDOWN SILENCERS

“A Revolutionary Design That Provides Greater Noise Reduction In A Smaller Silencer.”



APPLICATION

- Flow Control Valves
- Safety Relief Valves
- Steam, Air, and Gas Vents
- Process Gas Blowdowns
- Boiler Start-up and Purge
- Switch Valves

SIZING

The selection and sizing of TH Series silencers are functions of velocity, allowable pressure drop, and required acoustical performance.

Typical silencer operating velocities are:
10,000 to 15,000 fpm continuous
15,000 to 25,000 fpm intermittent

These velocities are based on the actual volumetric flow (ACFM), at the operating temperatures, after expansion to atmospheric conditions.

DESIGN

The TH Series Vent and Blowdown Silencer is designed to reduce unwanted noise created by high pressure air, gas, or steam flowing through a control valve or stack, discharging to atmosphere. As major users of industrial silencers, the process and power generation industries have long sought technological solutions to the problem of large size and cost associated with traditional vent and blowdown silencers. Responding to this need, Burgess-Manning called upon its extensive experience as a designer and manufacturer of noise control equipment to meet this industry challenge. The resulting design stems from field proven performance of features developed during intensive laboratory research, based in turn on acoustic principles derived by Burgess-Manning's engineers.

TYPICAL PERFORMANCE DYNAMIC INSERTION LOSS (DIL), Db

MODEL	OCTAVE BAND CENTER FREQUENCY (Hz)							
	63	125	250	500	1K	2K	4K	8K
TH Single Stage	3	6	13	22	24	25	25	25
TH Multi-Stage	5	15	24	37	40	41	33	29

NOTE: The typical performance values shown were established through field testing and calculation. Actual performance will depend upon silencer size, gas density, temperature, and unsilenced noise intensity. In certain applications, DIL values of 50+ Db can be achieved. For silencer performance for a specific application and service, contact the Burgess-Manning representative in your area.



BURGESS-MANNING, Inc., Subsidiary of Nitram Energy, Inc.

227 Thorn Avenue, Orchard Park, NY 14127

Phone: (716) 662-6540 ■ Fax: (716) 662-6548

Email: info@nitram.com ■ Website: www.burgess-manning.com



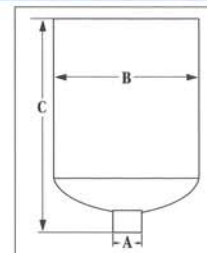
STANDARD FEATURES

- Compact design
- All welded, heavy-duty carbon steel construction
- Full penetration welding of inlet nozzle and diffuser in accordance with ASME section IX procedures
- Inlet nozzle (BFW)
- Prime painted (exterior only)
- Vertical or horizontal installation
- Lifting lugs
- Bottom drain

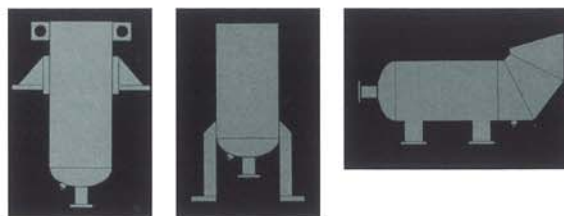
MODEL And NORMAL SIZE	DIMENSIONS AND WEIGHTS							
	All Models		TH - 0		TH - 1		TH - 2	
	A (in)	B (in)	C (in)	WT (lbs)	C (in)	WT (lbs)	C (in)	WT (lbs)
TH - 17	10	24	38	150	55	400	72	600
TH - 22	12	30	46	300	66	600	86	850
TH - 26	14	36	51	450	73	1100	95	1700
TH - 30	16	42	59	750	85	1400	111	2000
TH - 35	18	48	67	900	97	1800	127	2600
TH - 40	20	54	75	1100	110	2300	145	3400
TH - 44	24	60	81	1500	122	3100	163	4500

OPTIONAL FEATURES

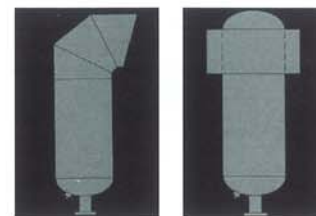
- Mounting brackets or supports
- Inlet flange
- Weatherhood
- Finish paint
- Special materials – s.s., Alloys
- Inlet orifice for flow control



Mounting Brackets



Weather Hoods



Your local representative is: