



UNIVERSAL SILENCER

A DIVISION OF NELSON INDUSTRIES, INC.
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RECOMMENDATIONS FOR PRESSURE SERVICE AND VACUUM SERVICE

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PRESSURE SERVICE

Universal's standard blower and absorptive silencers are designed for pressure systems not exceeding 15 PSIG at temperatures to 325° F.* For operating pressures in excess of 15 PSIG, we recommend ASME Code construction as discussed below.

VACUUM SERVICE

Universal's standard vacuum pump inlet silencers may be used on vacuum service up to 20" Hg, at temperatures not to exceed 325° F.* For higher vacuum conditions, we recommend ASME Code construction as discussed below.

AIR TIGHTNESS

Standard industrial silencers are generally not individually leak tested and occasionally very small pin-holes may appear in welds. Because of the small size of these pin-holes, their effect on typical pressure or vacuum conditions is insignificant. If 100 percent air-tightness is essential, a 7 PSIG leak test is recommended and can be performed at nominal additional cost.

ASME CODE

Unless stated otherwise for a specific application and silencer, we generally recommend ASME Code construction (Section VIII, Div. 1) for silencers for conditions exceeding 15 PSIG pressure and 20" Hg vacuum. We also recommend this construction for applications in which flammable, poisonous or otherwise hazardous gas is involved. Acoustical absorption materials in standard ASME blower silencers are rated for temperatures not exceeding 325° F, while the vessels are rated for temperatures up to 500° F.

**Our standard shop primer paint (Spec. #88-0102) may discolor at temperatures above 250° F if not topcoated.*