

ACOUSTICAL

THERMAL

STRUCTURAL



IN-PANL  
solutions

INDUSTRIAL SYSTEMS

#### KEY BENEFITS

- No screws through panel joints eliminates possibility of air and noise leaks and reduces installation cost
- Roll formed tongue-and-groove construction, fully enclosed and insulated joint - Better fit with closer tolerance
- Factory cut and framed openings seals exposed insulation and reduces field labor
- Preformed corner panel up to 12'-0" long adds strength, rigidity, and easier installation
- Can be field painted to match other equipment
- Removable panels up to 43.75" x 140" allows easy replacement of component parts
- No-thru-metal panel designed for low temperature and condensation problems that standard panel construction cannot satisfy

#### SEMCO IN-PANL Industrial Systems keep your construction project on a Fast Track for completion.

When industrial equipment pollutes the environment with loud noise, SEMCO industrial panels and barrier walls will help you meet industry guidelines and regulations.

Our team of noise control experts will customize SEMCO products from concept to fabrication, addressing the impact of all the phases of the project.

SEMCO sound absorbers include a complete line of rectangular, round, and oval duct silencers, plus plenum silencers for control of airborne noise.

SEMCO equipment enclosure panels are designed for superior acoustical, structural and thermal performance.

Certified by an independent testing laboratory



# FEATURES & BENEFITS

- Tongue-and-Groove Connection
- No Screws Required
- Completely Insulated Joint

## UNIQUE ADVANTAGES

SEMCO acoustical enclosures deliver the quality noise attenuation you require, but with no negative impact on the enclosure performance. Our enclosures reduce noise levels by 20 to 30 dba, reducing relative loudness by 87.5%. The tongue and groove design offers a fully insulated joint, which improves the acoustic and thermal performance of the enclosure. Acoustical performance is also improved by an industrial strength sealant used on all panel joints and trim. This seal lowers acoustic leakage and makes for a more effective enclosure.

**Panel Joint Labor Comparison**

Panel Type	Joint-Field Insulated	Screw Joint	Seal Joint	External "H" Joiner
<b>SEMCO</b>	<b>No</b>	<b>No</b>	<b>Yes (1)</b>	<b>No</b>
Competitor A	Yes (2)	Yes (4 each)	Yes (4)	Yes
Competitor B	No	Yes (2 each)	Yes (1)	No
Competitor C	Yes (1)	Yes (2 each)	Yes (2)	No

**Labor Calculations\***

Panel Type	# of Screws in Joint	Linear Foot of Insulation Fill	Liner Foot Sealant	Total Man Hours
<b>SEMCO</b>	<b>0</b>	<b>0</b>	<b>1,000</b>	<b>136</b>
Competitor A	4,000	2,000	4,000	204
Competitor B	2,000	0	1,000	160
Competitor C	2,000	1,000	1,000	170

\*Based on a 2,500 sq. ft. enclosure, 10'-0" high or a total of (100) 10'-0" panels that average 25 sq. ft. per panel.



Based on our e<sup>3</sup> concept, we provide innovative and sustainable products to help you achieve or surpass your environmental targets while optimizing your investment and Life Cycle Cost.

## TYPICAL APPLICATION EXAMPLES

- Barrier Walls
- Turbine Enclosures
- Chiller Enclosures
- Equipment Enclosures
- Modular Buildings
- Pump Enclosures
- In-Plant Noise Abatement
- Generator/Compressor Enclosures

## EXPERIENCE & EXPERTISE

With over a half-century of innovation and expertise to share with our customers, SEMCO® is a global leader in air management. With market presence in 65 countries, we are in a unique position to be a local supplier and an international partner in our customers' projects. Our constant aim is to provide systems that precisely deliver the best indoor air quality and performance, while maximizing energy efficiency. We offer a complete line of sound attenuating products, including rectangular & round silencers, Media Free silencers, custom silencers, and acoustic enclosure panels designed to eliminate your HVAC noise problems. Whether your project requires a custom solution or an off the shelf selection, our years of HVAC experience will provide the best "Sound Solutions" possible.