STRUCTURAL INTEGRITY

NOISE BARRIER

FläktGroup® SEMCO®

IN-PANEL SOLUTIONS
INDUSTRIAL PANEL SYSTEMS

NOISE BARRIER STRUCTURAL

FläktGroup® SEMCO® IN-PANEL Industrial Systems keep your construction projects on a fast track for completion.

Industrial panels are ideally suited for large, complex projects. The FläktGroup® SEMCO® team has the experience to help you guide your project to a successful completion.

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

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

FläktGroup SEMCO sound absorbers include a complete line of rectangular, round, and oval duct silencers, plus plenum silencers for control of airborne noise. Our equipment enclosure panels are designed for superior acoustical, structural, and thermal performance.

INDUSTRIAL SYSTEMS IN PANEL SOLUTIONS

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 powder coated or 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

Certified by an independent testing laboratory

PANEL SOLUTIONS

FEATURES & BENEFITS

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

UNIQUE ADVANTAGES

FläktGroup 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
FläktGroup® SEMCO®	**No**	**No**	**Yes (1)**	**No**
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
FläktGroup® SEMCO®	**0**	**0**	**1,000**	**136**
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.

TYPICAL APPLICATION EXAMPLES

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

FläktGroup® SEMCO® delivers smart and energy efficient Indoor Air and Critical Air solutions to support every application area. We offer our customers innovative technologies, high quality and outstanding performance supported by more than fifty years of accumulated industry experience. The widest product range in the market, and strong market presence in 65 countries worldwide, guarantee that we are always by your side, ready to deliver Excellence in Solutions. 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 solutions possible.

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