

> CQuiet™ Barrier Noise Shield


5 Point Noise Control™



C.E. Electronics Inc.
ACOUSTICS GROUP

- A. CQUIET HYDRO NOISE SHIELD
- B. CQUIET DOOR NOISE SHIELD
- C. CQUIET PIPE NOISE SHIELD



CQuiet Barrier Noise Shield is a highly effective sound barrier solution for multiple sound control applications in hydraulic elevator installations.

This Class A fire rated material achieves high sound reductions through its unique composite material construction. A rugged, reinforced, aluminum-faced 1/8" sound barrier membrane is combined with a sound absorbing and decoupling fiberglass backing.

The barrier provides sound reducing mass and the reinforced facing adds increased mechanical strength with a higher fire rating. The quilted absorber is used for to isolate/decouple the sound barrier from the noise and vibration source.

CQuiet Barrier Noise Shield Products:

CQuiet Hydro Noise Shield is a barrier against the structure-borne sound migration of the high acoustic energy radiating from the power unit into the wall. The nominal 1" thickness is ideal for limited space applications.

CQuiet Door Noise Shield increases the sound barrier properties of any door, metal or wood. The door is always your weakest acoustical point of the machine room.

For a complete door system treatment include a CQuiet Door Noise Kits to tightly seal the door.

CQuiet Pipe Noise Shield provides containment of equipment and fluid sounds radiating from the pipe itself. Steel is a very conductive material for sound travel, adding to sound levels within the machine room and hoistway.

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2107 Industrial Drive | Bryan, OH 43506 | Ph: 419.633.3178 | Fx: 419.633.3195 | www.ceacoustics.com

Vertical Transportation Noise Control





5 Point Noise Control™

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C.E. Electronics Inc. | Acoustics Group
2107 Industrial Drive
Bryan, OH 43506
PH (419) 633-3178 FX (419) 633-3195
www.ceacoustics.com info@ceacoustics.com



CQuiet Pipe Noise Shield Kit

Part #	Pipe Size	Description
CQPNS-2	2"	Sound barrier sheet for wrapping
CQPNS-2.5	2.5"	Hydraulic Pipes. Supplied in standard
CQPNS-3	3"	54" lengths with applicable widths for
CQPNS-4	4"	each pipe size. Custom sizes available
		Includes Installation cable ties.



CQuiet Door Noise Shield Kit

Part #	Pipe Size	Door Type	Description
CQDNS3684-W	36" x 84"	Wood	Sound barrier sheet for backing
CQDNS3684-M	36" x 84"	Metal	machine room doors. Simply
CQDNS4284-W	42" x 84"	Wood	installation and cutting if needed.
CQDNS4284-M	42" x 84"	Metal	Custom sizes available.
			Includes: 36 fastener/washer sets.
			Tape to seal material on door
			perimeter edges.



CQuiet Hydro Noise Shield Kit

Part #	Sheet Size	Wall Type	Description
CQDNS4848-C	48" x 48"	Concrete	Sound barrier sheet for
CQDNS4848-D	48" x 48"	Drywall	installation between power
			unit and wall. Custom sizes
			available. Simple installation
			and field cutting. Includes:
			Drill bit & 10 fastener/washer sets.

CQUIET™ BARRIER NOISE SHIELD SPECIFICATIONS

PHYSICAL PROPERTIES

Description: 1 lb./ft² reinforced-foil faced loaded vinyl sound barrier bonded to a 1" thick scrim faced quilted sound absorption fiberglass.

Nominal Thickness: 1.0 inch

Weight: 1.2 lb/ft² nominal

Temperature range: -20° to + 220° F

TEST COMPLIANCE

ASTM E84 - Fire Rating: Class A
Flame Spread 10 | Smoke Developed 40

ASTM E90 - Sound Rating: STC28

ASTM C518 - Thermal Rating: R-4/in.

A complete 5 Point Sound Control hydraulic system treatment to include:

CQuiet Noise Liner – sound treatment for machine room walls and ceiling. Reduces overall sound level intensity in virtually eliminating reflected sounds.

CQuiet Engineered Isolation Products – provides high isolation against structure-borne (vibration) sound from the hydraulic power unit.

CQuiet Pipe Isolation Products – reducing structure-borne sounds generated through pipe support products. Either a double isolation hanger system for ceiling supported pipes or a C-channel clamp for floor support isolation.

CQuiet FireStop Noise Putty – seals and isolates hydraulic pipe from the wall, reducing airborne and structure-borne sounds. This fire rated material provides both sound and fire protection.

Specifications subject to change