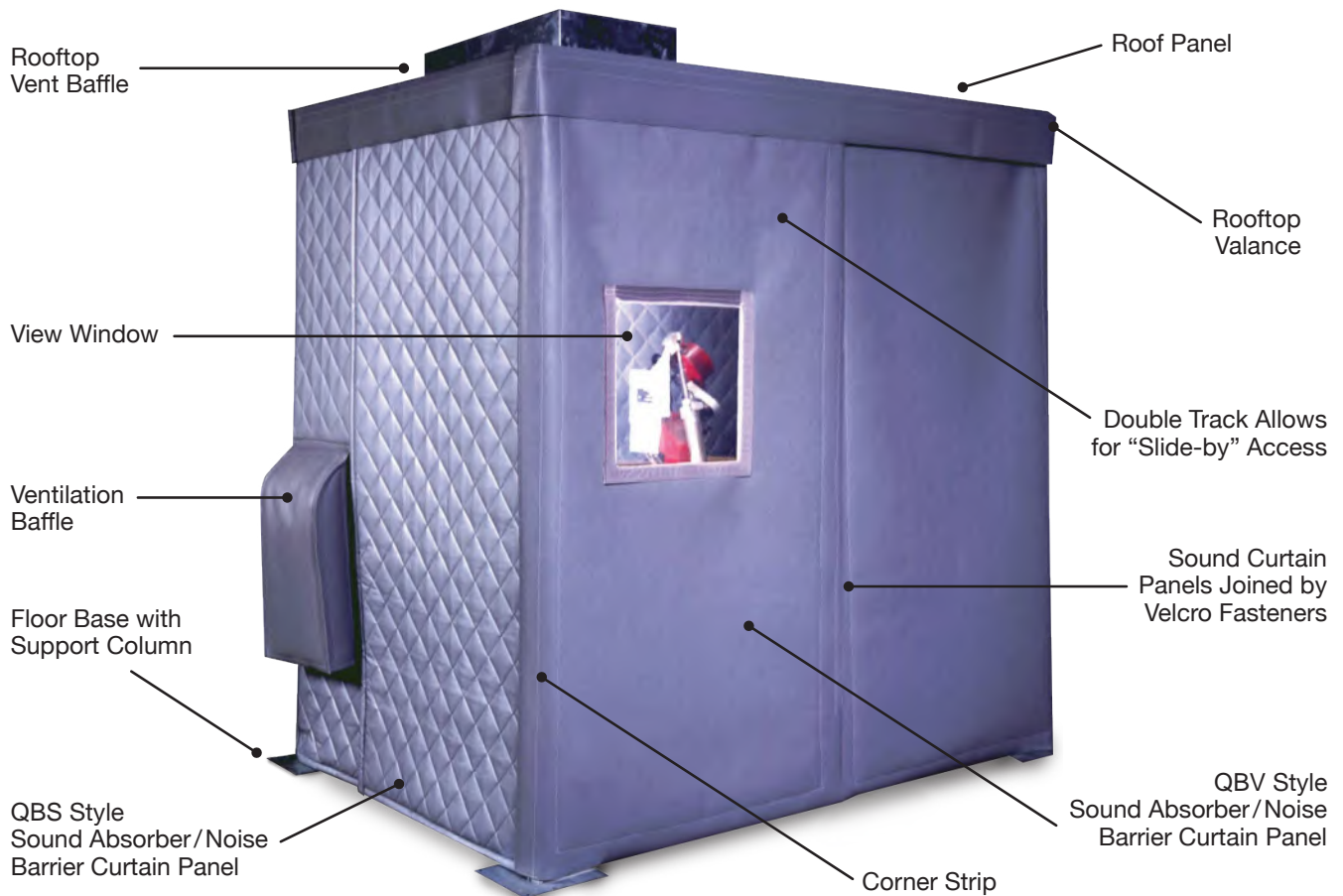


STATIONARY ACOUSTIC ENCLOSURES



ACOUSTIC ENCLOSURE

IN-PLANT NOISE CONTROL APPLICATIONS:

Sound Seal's sound curtain systems offer significant noise reduction with high STC and NRC acoustical ratings. They can be supplied as a partial or complete enclosure around noisy industrial equipment including:

• COMPRESSORS • PUMPS • GENERATORS • BLOWERS • FANS • GRANULATORS • PRESSES

Also suitable for larger complete enclosures including:

• MANUFACTURING EQUIPMENT • TEST CHAMBERS • MACHINERY ENCLOSURES

FEATURES OF NETWELL SOUND CURTAIN SYSTEMS:

IN ADDITION TO VERY EFFECTIVE, HIGH-PERFORMANCE SOUND CURTAIN PANELS, A SUCCESSFUL, FUNCTIONAL ACOUSTICAL ENCLOSURE OFTEN REQUIRES A WIDE ARRAY OF FEATURES AND OPTIONS ALLOWING FOR EQUIPMENT ACCESS, VISIBILITY AND VENTILATION.

- Modular panels join together to form any configuration required:

- 2 Sided partial enclosures
- 3 Sided partial enclosures
- 4 Sided full enclosures
- 4 Sided full enclosures with roof

- Framing systems are available for floor mount, wall mount, ceiling mount or suspended by threaded rod

- A variety of framing systems are available including a heavy structural steel frame system for large enclosures

- Double track systems available for slide by access. Every panel can be a door.

- Durable construction for long service life in even severe industrial conditions



TRACK & HARDWARE

- Rigid roof panels are available for maximum noise reduction
- Clear vinyl windows are available for visibility and can be sewn on or removable
- Side air intake vent baffles allow air into the enclosure without compromising acoustical performance
- Roof top vent baffles made from rugged sheet metal are lined with sound absorption material
- Curtain panels can be field cut to work around obstacles
- Easy to install, relocate or modify
- CAD drawings provided with every order
- Short lead time even for custom enclosures and expedites available if needed even faster
- Economical alternative to rigid metal acoustical enclosures

Can be used as partition dividers, noise barrier walls or hood or shroud covers



QBV BARRIER BLANKETS:



- Modular acoustical curtain panels feature grommets at top, velcro fasteners along each edge
- Sound absorptive quilted fiberglass on one side of reinforced mass loaded barrier material
- Reinforced barrier back offers excellent durability and abuse resistance
- Utilized as fixed panels and sliding doors on acoustical curtain enclosures
- Suitable for outdoor applications (see QBO)
- Custom fabricated for “acoustical jackets” on blowers, fans or compressor housings
- Also available in bound or unbound rolls
- STC ratings up to 37, NRC ratings up to 1.05
- Class A flammability rating (per ASTM E-84)



QBS BARRIER BLANKETS:

- Sound absorptive faced quilted fiberglass (gray, white, tan or black) on both sides of loaded vinyl noise barrier material
- Modular acoustical curtain panels feature grommets at top, velcro fasteners along each edge
- Utilized as perimeter walls, separator walls, or divider partitions between noise sources
- Utilized as absorber/barrier composite liner in enclosures, rooms or buildings
- Outer layer of quilted fiberglass adds additional sound absorption to environment
- Also available in bound or unbound rolls
- STC ratings up to 33, NRC ratings up to .85
- Class A flammability rating (per ASTM E-84)



ACOUSTICAL DATA:

The **most effective** noise reduction products combine **both sound absorption and noise barrier properties**. Tested under strict compliance to appropriate ASTM standards, we offer the following results:

Sound Transmission Loss (dB) per Octave Band Frequency									
NetWell Model #	THK.	WT.	125	250	500	1000	2000	4000	STC
QBV-1	1"	1.3	11	16	24	30	35	35	27
QBV-2	2"	1.5	13	20	29	40	50	55	32
QBV-3	2.5"	2	19	25	33	46	53	58	37
QBS-1	2"	1.5	12	16	27	40	44	43	29
QBS-2	2"	2.5	19	22	28	40	56	61	33
Roof Panel	2"	2	18	24	28	37	45	46	31

Per ASTM E 90

Sound Absorption Data – Absorber Component Random Incident Sound Absorption Octave Band Center Frequencies (Hz)								
Product	THK.	125	250	500	1000	2000	4000	NRC
QBV-1	1"	.12	.47	.85	.84	.64	.62	.70
QBV-2	2"	.07	.27	.96	1.13	1.08	.99	.85
QBS-1 & 2	2"	.45	.96	.87	.66	.47	.30	.75
QB-4	4"	.21	.89	1.09	1.17	1.13	1.07	1.05

Per ASTM C 423

Flammability Ratings			
Product	Descriptor	Flame Spread	Smoke Developed
QBS-1	Vinyl faced 1" quilted fiberglass on both sides of a 1 lb. PSF non-reinforced loaded vinyl barrier septum	23	30
QBS-HT	Silicone faced 1" quilted fiberglass on both sides of a 1 lb. PSF non-reinforced noise barrier septum	4	19
QBV-2	Vinyl faced 2" quilt on one side of a 1 lb. reinforced loaded vinyl noise barrier	23	12
QBV-1	Vinyl faced 1" quilt on one side of a 1lb. reinforced loaded vinyl noise barrier	23	30

Above table shows flame spread and smoke developed ratings per ASTM Designation E84; Surface Burning Characteristics of Building Materials. Note: Class A rating applies to products with a flame spread index of 25 or less, and a smoke developed index of 450 or less

Additional products tested to ASTM E 162 and ASTM E 662, test reports available on request

ALSO AVAILABLE:



Panels & Roll Goods



Die Cut Parts



Custom Acoustical Jackets & Covers



PORTABLE ACOUSTIC ENCLOSURES



MAIN FEATURES:

- Completely mobile with built in locking casters
- Multiple configurations
- Slip-fit frame construction
- Easy no-tool assembly
- Customizable with windows & vent baffles
- Provides up to 15 dB reduction in mid-range frequencies
- Able to be completely enclosed with optional roof panel

PORTABLE ACOUSTIC ENCLOSURE

**MULTIPLE
CONFIGURATIONS
POSSIBLE**



- Combines high-performance noise barrier/sound absorption sound curtain panels with a modular steel tube frame
- Multiple units join together with Velcro tabs to form a variety of configurations
- Economical, low installation costs
- Maximum length & width – 8 ft.
- Panel overlap can be sealed for optimal performance

ACOUSTICAL DATA

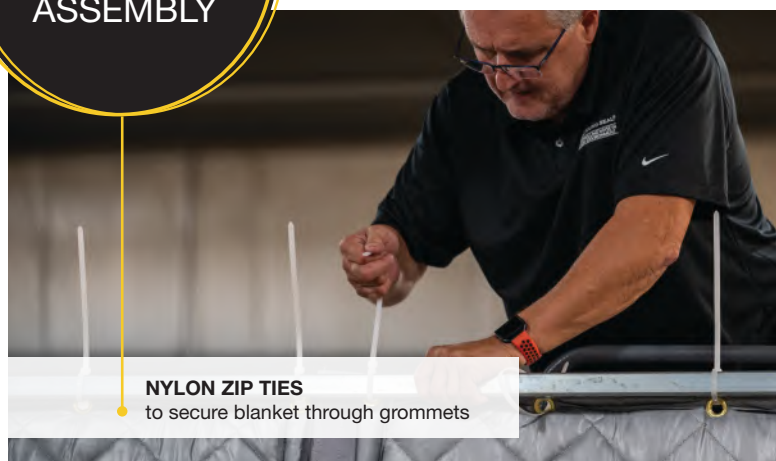
SOUND TRANSMISSION LOSS (dB) per 1/3 Octave Band Frequencies (HZ)							
NetWell Model #	125	250	500	1000	2000	4000	STC
QBV-1	11	16	24	30	35	35	27
QBV-2	13	20	29	40	50	55	32
QBS-1	12	16	27	40	44	47	29

Per ASTM E 90

- QBV-1:** 1" thick vinyl faced quilted fiberglass absorber (QFA) bonded to a 1 lb. psf reinforced loaded vinyl noise barrier
- QBV-2:** 2" thick vinyl faced quilted fiberglass absorber (QFA) bonded to a 1 lb. psf reinforced loaded vinyl noise barrier
- QBS-1:** 1" thick vinyl faced QFA on both sides of a 1 lb. psf loaded vinyl noise barrier septum

**EASY
NO TOOL
ASSEMBLY**

INSTALLATION



NYLON ZIP TIES
to secure blanket through grommets



www.controlnoise.com

