

**PRODUCT
DATA**
SURE-LINE™
SERIES SHL
PD-SLSHL-03A
JANUARY 2003

**HIGH
EFFICIENCY
AIR FILTRATION
EQUIPMENT**

SURE-LINE™
SERIES S HEPA LOCK
SPECIAL APPLICATIONS HOUSING

Series S HEPA Lock

SPECIAL FOR

High Performance HEPA
Filtration Applications

CONSTRUCTION

14 Gauge Aluminized or
304/316 Stainless Steel

FILTER SEAL

Screw-Type Locking for
1,400 Ft. Lbs. per HEPA

HIGH PRESSURE

Standard Up To 10" W.G.
Optional Up To 20" W.G.

AIRTIGHT WELDING

Reinforced Joints/Seams



ATTACHED DOORS

2 Swing Doors with
Swivel Door Latches

UNIT SIZES

Standard Up To 3 Filters
High by 3 Filters Wide

FILTERS

2", 4" or 6" Prefilter (s)
6" or 12" HEPA Filter (s)

MOUNTING FLANGES

1 1/2" and Turned Out
for Easy Installation

INSPECTION

Comprehensive Testing

Constructed for High Performance

High Performance HEPA Filtration applications require specific engineering solutions. BLC's Special Applications HEPA Lock Housing (Series S) is intended to meet or exceed these extraordinary performance requirements.

SPECIAL

BLC's Series S HEPA Lock Housing meets the sizes and capacities shown on plans and listed in the equipment schedule. This unit is manufactured from 14 gauge aluminized steel and fully factory assembled. It is provided with a 2", 4" or 6" prefilter track when prefilters are required. The Series S HLH has a solid welded HEPA Filter sealing grid and includes 1 1/2" standard mounting flanges for installation. Standard, its pressure rating goes up to 10" W.G. and its size up to 3 Filters High by 3 Filters Wide.

The Series S HLH is provided with two (2) crossbroke access doors that are completely removable with lifting handles. These doors are fully gasketed with EPDM gasket on the perimeter for an effective door seal and are sealed by use of variable pressure knobs.

LOCKING MECHANISM AND OPTIONS

This unit is provided with a screw-type locking mechanism which generates 1,400 ft. lbs. of spring loaded pressure to seal the HEPA Filters. Its design allows the locking mechanism to be activated from one side.

Many different options are available for the Series S: Insulation, Double Wall Insulation, Weatherproofing, High Pressure, Flange Adapters, Support Legs, Hanger Brackets, Static Taps, Stainless Steel, Epoxy Coating.

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We reserve the right to make changes in product design and product specifications without prior notice or obligation.

BLC INDUSTRIES INC.

Breathe Easy, We Have The Line On Air Filtration.

Series S HEPA Lock Housing: Options

EQUIPMENT OPTIONS

- INSULATION
- DOUBLE WALL INSULATION
- WEATHERPROOFING
- HIGHER PRESSURE
- FLANGE ADAPTERS
- SUPPORT LEGS
- HANGER BRACKETS
- STATIC TAPS
- STAINLESS STEEL
- EPOXY COATING

These and other specialty options are available, please contact factory for further information.

Materials of construction for BLC's Series S (Special Applications) HEPA Lock Housings should be determined by field conditions to which they will be exposed. Most applications can be met by BLC's superior construction, but where necessary the Housings may be constructed from Stainless Steel. Also, an epoxy or plasite coating can be applied when specified. Please consult factory.

Series SHL Housings may be Double Wall Insulated to combat vibration, noise and condensation, to protect the filtered air's quality. Standard insulation offered is 1 inch thick with 1 1/2 pound density. The insulation is applied to the interior surface of the doors and the exterior surface of the top and bottom panels. The insulation is then enclosed and captured with 24 gauge aluminized panels ensuring its integrity for the unit's life.

Weatherproof units for outside installations provide a pitched roof, rain guards over the doors and permanent sealing at all seams to secure the Housing against the elements. Finally, Flange Adapters for all commercial air handling units and Flange Adapters to meet any ductwork requirements are also available.

MODULAR ASSEMBLY

The maximum size of a single Series S HEPA Lock Housing is 3 Filters High by 3 Filters Wide. However, many of these units can be stacked or butted together to achieve almost any desired capacity. Any multi-section SHL arrives complete at the job site, with pre-drilled and gasketed cornerposts along with adjoined supports and railings -- all built in. It is the easiest, best designed system and solution for high capacity applications.

Dimensional Data

| HEIGHT CODE (Nominal) | ACTUAL HEIGHT | MODEL NUMBER EXTENSION | WIDTH CODE (Nominal) | | | | | |
|-----------------------|---------------|--|----------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|
| | | | 01 | 02 | 03 | 04 | 05 | 06 |
| | | | ACTUAL WIDTH | | | | | |
| | | | 15" | 27" | 39" | 51" | 63" | 75" |
| 06 | 90" | MODEL EXT. CFM @ 500 FPM FILTER QTY. | 01X06 3000 3H | 02X06 6000 3F | 03X06 9000 3H 3F | 04X06 12000 6F | 05X06 15000 3H 6F | 06X06 18000 9F |
| 05 | 78" | MODEL EXT. CFM @ 500 FPM FILTER QTY. | | 02X05 5000 1H 2F | 03X05 7000 3H 2F | 04X05 10000 2H 4F | 05X05 12000 4H 4F | 06X05 15000 3H 6F |
| 04 | 60" | MODEL EXT. CFM @ 500 FPM FILTER QTY. | 01X04 2000 2H | 02X04 4000 2F | 03X04 6000 2H 2F | 04X04 8000 4F | 05X04 10000 2H 4F | 06X04 12000 6F |
| 03 | 48" | MODEL EXT. CFM @ 500 FPM FILTER QTY. | | 02X03 3000 1H 1F | 03X03 4000 2H 1F | 04X03 6000 2H 2F | 05X03 7000 3H 2F | 06X03 9000 3H 3F |
| 02 | 30" | MODEL EXT. CFM @ 500 FPM FILTER QTY. | 01X02 1000 1H | 02X02 2000 1F | 03X02 3000 1H 1F | 04X02 4000 2F | 05X02 5000 1H 2F | 06X02 6000 3F |
| 01 | 15" | MODEL EXT. CFM @ 500 FPM FILTER QTY. | | 02X01 1000 1H | | 04X01 2000 2H | | 06X01 3000 3H |

- Maximum standard width is 6 feet. But units can be stacked or butted together.
- H denotes half size filter - 12 x 24 HEPA. F denotes full size filter - 24 x 24 HEPA.
- denotes unit requires a 12 x 12 HEPA blank-off panel, which is supplied.
- Unit depth is 33 1/4" with either the 2", 4" or 6" prefilter track.
- CFM shown is based on use of High Capacity HEPA Filters.

MODEL NUMBER KEY

SHL06X06/12

Insert model number extension to complete model number.

- S- Series S - Special
- HL- HEPA Lock
- 06- Unit Width
- 06- Unit Height
- 12- HEPA Filter Depth