PRODUCT DATA
CLEAN-LINE™
SERIES 12SA
PD-CL12SA-03A
JANUARY 2003

AIR FILTRATION EQUIPMENT

CLEAN-LINE™ SERIES 12SA
12" SIDE ACCESS FILTER HOUSING

12" Side Access

The BLC 12" Side Access Housing has been developed exclusively for low cost, general ventilation requirements. This uniquely designed unit is equipped with a 2"/4" extruded aluminum track configuration. Such an arrangement provides remarkable flexibility and versatility, allowing the BLC 12" Side Access to be utilized in most any filtration application. The 2 inch track will accommodate any 2 inch panel styled filter serving as either a prefilter or a co-filter. Meanwhile the 4" track utilizes 4" panel styled filters, making this section ideal as a final or primary filter, as well as a secondary filter.

Engineered to provide a rugged one piece housing, completely factory assembled and ready for immediate installation when received at the job site, the BLC 12" Side Access Housing ranges in size from 1 foot wide x 2 feet high to 10 feet wide x 7 feet high. All models of the 12" Side Access Housing require only 2 sizes of filters, 12 x 24 and 24 x 24 (nominal) in 2 or 4 inch depths, thereby reducing stocking requirements and eliminating confusion when change-out of the filters are required.

The most versatile housing in the business!

CONSTRUCTION

BLC's aluminized steel provides superior corrosion and heat resistance, resulting in longer product life and appearance. Aluminized steel also offers an improved overall product appearance when compared to galvanized material. Aluminized steel conforms to ASTM Specification A463 and is used for such applications as space heaters, mufflers and incinerators which are subjected to extremely corrosive conditions. This is why we manufacture the 12" Side Access Housing from 16 gauge aluminized steel. *We are currently the only manufacturer who does so.*

Spot weld construction and fasteners are used to assemble units and each is supplied with lift-off access doors hinged at the rear of the housing for easy access to filters. The door is fully gasketed at its perimeter and at filter tracks by use of EPDM and closed pile bristle gasket. Quick acting, over-center, positive lock latches are used to secure doors without bypass. This standard design will withstand positive or negative pressure up to 3" W.G.

FILTER INFORMATION

- **HEAVY DUST LOADING**
  2" Disposable & 4" Pleat

- **HIGH VELOCITY**
  2" Aluminum Filter or Diffuser & 4" Pleat

- **VARIABLE PARTICULATE**
  2" Pleat & 4" Pleat

- **2 STAGE FILTRATION**
  2" Pleat & 4" Mini-Pleat 60%-90%

- **ODOR ADSORPTION**
  2" Carbon Impregnated & 4" Carbon Pleat

Series 12SA: Options

BLC offers weatherproofing of units for outside installations. Weatherproofing consists of a pitched roof mounted to the top of the housing with rain guards over the doors and a permanent (non silicon) sealer at all seams.

Insulation is also available. A 1 inch thick insulation of 1 1/2 pound density can be applied to all exposed surfaces inside or out, as specified. BLC's Double Wall Insulation combats vibration, noise and condensation -- protecting the quality of the filtered air. With this application, the insulation is enclosed and captured with 24 gauge aluminized panels, ensuring the insulation's integrity for the life of the unit.

Adapter flanges for all commercial air handling units and adapter flanges to meet any ductwork requirements are available as needed.

In addition, Stainless Steel, Epoxy Coating or High Pressure construction can also be readily provided.

CONSTRUCTION FEATURES

- 16 GAUGE ALUMINIZED STEEL CONSTRUCTION
- FACTORY ASSEMBLED
- LIFT-OFF ACCESS DOORS
- GASKETED ACCESS DOORS
- 2"/4" EXTRUDED ALUMINUM TRACK
- 1 1/2" MOUNTING FLANGES

EQUIPMENT OPTIONS

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

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

Dimensional Data

HEIGHT CODE (Nominal)	ACTUAL HEIGHT	MODEL EXT.	WIDTH CODE (Nominal)									
			01	02	03	04	05	06	07	08	09	10
			ACTUAL WIDTH									
			11 1/2"	23 1/2"	35"	47"	58 1/2"	70 1/2"	82"	94"	105 1/2"	117 1/2"
07	85 3/4"	MODEL EXT. CFM @ 500 FPM FILTER QTY.		02X07 7000 1H 3F	03X07 10000 4H ■ 3F	04X07 14000 2H 6F	05X07 17000 5H ■ 6F	06X07 21000 3H 9F	07X07 24000 6H ■ 9F	08X07 28000 4H 12F	09X07 31000 7H ■ 12F	10X07 35000 5H 15F
06	74 1/16"	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	07X06 21000 3H 9F	08X06 24000 12F	09X06 27000 3H 12F	10X06 30000 15F
05	62 1/16"	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	07X05 17000 5H ■ 6F	08X05 20000 4H 8F	09X05 22000 6H ■ 8F	10X05 25000 5H 10F
04	50 3/8"	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	07X04 14000 2H 6F	08X04 16000 8F	09X04 18000 2H 8F	10X04 20000 10F
03	38 3/8"	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	07X03 10000 4H ■ 3F	08X03 12000 4H 4F	09X03 13000 5H ■ 4F	10X03 15000 5H 5F
02	26 11/16"	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	07X02 7000 1H 3F	08X02 8000 4F	09X02 9000 1H 4F	10X02 10000 5F
01	14 11/16"	MODEL EXT. CFM @ 500 FPM FILTER QTY.		02X01 1000 1H		04X01 2000 2H		06X01 3000 3H		08X01 4000 4H		10X01 5000 5H

1. H denotes half size filter - 11 3/8 x 23 3/8.
2. F denotes full size filter - 23 3/8 x 23 3/8.
3. ■ denotes unit requires an 11 3/8 x 11 3/8 blank off panel, which is supplied.
4. Unit depth is 12".

MODEL NUMBER KEY
12SA**10X05**

Insert model number extension to complete model number.

12-	12" Depth
SA-	Side Access
10-	Unit Width
05-	Unit Height