PRODUCT DATA FILTER-LINE™ **SERIES MSC** PD-FLMSC-03A **JANUARY 2003**

AIR **FILTERS**

FILTER-LINE™

SERIES MSC

4" MOISTURE SEPARATOR CELLS

WITH 2" MEDIA PACK AND 2" COLLECTION AREA

Description



The FILTER-LINE™ Series MSC — Moisture Separator Cells are designed for those applications requiring reduction of oil mist, water mist, fog or droplets from outside air or recirculated air. MSC Cells are also useful in systems that allow saturated air to condense out, such as downstream of DX or chilled water coils and steam or mist humidifiers. Each 4" MSC Cell is fabricated to provide a 2" media pack and a 2" collection area. The media pack is an all aluminum combination of flat and pleated screen wire to produce a dense, effective, mist eliminating medium. MSC Cells are available in (2) types for use in built-up holding frame banks or side-access housings.

Construction

16 GAUGE ALUMINIZED STEEL ENCLOSING FRAME

Moisture Separator Cells are enclosed in a 16 gauge aluminized steel frame. Frames are notched and folded and secured by the use of a pop rivet tab. 16 gauge material ensures frame rigidity.

2" DEEP SEPARATION MEDIA PACK

MSC Cells are a 2-stage design. The air-entering side is a dense combination of flat and pleated screen wire that is 2" deep. The air-leaving side is a 2" deep collection area that allows drainage.

INTERNAL DRAIN HOLES

Moisture Separator Cells are provided with (4) .50" diameter drain holes located in the enclosing frame. Air and mist are separated and the resulting collection drains through the internal drain holes.

ENCLOSING FRAME ALIGNMENT DIMPLES

Moisture Separator Cells are supplied with frame alignment dimples which align the cell in a forward pitch from the rear. This assists in the vertical drainage and deters moisture carry over.

'ERTICAL INSTALLATION LABEL

Moisture Separator Cells are clearly marked with an installation label which indicates the "TOP" of the cell. This guarantees proper installation and drainage of the MSC Cell.

2 TYPES OF MOISTURE SEPARATOR CELLS

Moisture Separator Cells are available for built-up frame banks. Frame bank supports and drain system are field supplied. Cells for side-access housings are supplied with side sealing gaskets.

Dimensional Data

Series MSC — 4" Deep MOISTURE SEPARATOR CELLS FOR USE IN BUILT-UP FRAME BANKS

MODEL NUMBER	NOMINAL SIZE	ACTUAL SIZE
FLMSC41224	12 x 24 x 4	11 3/8 x 23 3/8 x 3 7/8
FLMSC41620	16 x 20 x 4	15 1/2 x 19 1/2 x 3 7/8
FLMSC41625	16 x 25 x 4	15 1/2 x 24 1/2 x 3 7/8
FLMSC42020	20 x 20 x 4	19 1/2 x 19 1/2 x 3 7/8
FLMSC42025	20 x 25 x 4	19 1/2 x 24 1/2 x 3 7/8
FLMSC42412	24 x 12 x 4	23 3/8 x 11 3/8 x 3 7/8
FLMSC42424	24 x 24 x 4	23 3/8 x 23 3/8 x 3 7/8

Series MSC — 4" Deep

MOISTURE SEPARATOR CELLS FOR USE IN SIDE-ACCESS HOUSINGS

MODEL NUMBER	NOMINAL SIZE	ACTUAL SIZE
FLMSCG41224	12 x 24 x 4	11 3/8 x 23 3/8 x 3 7/8
FLMSCG41620	16 x 20 x 4	15 1/2 x 19 1/2 x 3 7/8
FLMSCG41625	16 x 25 x 4	15 1/2 x 24 1/2 x 3 7/8
FLMSCG42020	20 x 20 x 4	19 1/2 x 19 1/2 x 3 7/8
FLMSCG42025	20 x 25 x 4	19 1/2 x 24 1/2 x 3 7/8
FLMSCG42412	24 x 12 x 4	23 3/8 x 11 3/8 x 3 7/8
FLMSCG42424	24 x 24 x 4	23 3/8 x 23 3/8 x 3 7/8

Performance Data **INITIAL RESISTANCE SERIES** @ 300 @ 350 @ 450 @ 500 @ 600 @ 400 @ 550 **FPM FPM FPM FPM FPM FPM FPM** MSC .08 .12 .17 .21 .25 .29

MSC — Efficiency versus Droplet Size

MICRON SIZE OF DROPLETS VERSUS EFFICIENCY RATING 10.0 12.0 14.0 18.0 20.0 1.5 2.0 4.0 8.0 16.0 13% 25% 58% 76% 86% 91% 96% 97% 98%

MODEL NUMBER KEY FLMSCG42424

Insert model number extension to complete model number.

FL- MSC-	FILTER-LINE™ Moisture Separator Cell
G-	Side Sealing Gasket
4-	Unit Depth
24-	Linit Width

Unit Height

Notes:

- 1. Moisture Separator Cells for use in side-access housings are supplied with side sealing gasket.
- 2. Please see ACCESS-LINE™ Series information for Moisture Separator Housing (AL12MS) specifications.

24-

Corporate Headquarters

P.O. Box 14187,

Louisville, Kentucky 40214 Phone: (502) 366-6002 Fax: (502) 366-6255

E-Mail: askus@blcind.com

BLC-WEST

Phone: (480) 839-5333 Fax: (480) 839-1584

www.blcind.com

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



Breathe Easy, We Have The Line On Air Filtration.