

| Model Number * | Nominal Size (Inches) W x H x D | Actual Size (Inches) W x H x D | Rated Air Flow (CFM) | Initial Resistance (IN W.G.) | | | Media Area (Square Feet) |
|----------------|---------------------------------------|--------------------------------------|----------------------------|---------------------------------|--------|--------|-----------------------------|
| | | | | 90-95% | 80-85% | 60-65% | |
| VSC-FA_04 | 24 x 24 x 12 | 23-3/8 x 23-3/8 x 11-1/2 | 2000 | .70 | .60 | .43 | 121 |
| VSC-FA_12 | 20 x 25 x 12 | 19-3/8 x 24-3/8 x 11-1/2 | 1750 | .70 | .60 | .43 | 105 |
| VSC-FA_15 | 20 x 24 x 12 | 19-3/8 x 23-3/8 x 11-1/2 | 1650 | .70 | .60 | .43 | 101 |
| VSC-FA_13 | 20 x 20 x 12 | 19-3/8 x 19-3/8 x 11-1/2 | 1400 | .70 | .60 | .43 | 83 |
| VSC-FA_11 | 18 x 24 x 12 | 17-3/8 x 23-3/8 x 11-1/2 | 1500 | .70 | .60 | .43 | 91 |
| VSC-FA_10 | 16 x 25 x 12 | 15-3/8 x 24-3/8 x 11-1/2 | 1400 | .70 | .60 | .43 | 84 |
| VSC-FA_09 | 16 x 20 x 12 | 15-3/8 x 19-3/8 x 11-1/2 | 1100 | .70 | .60 | .43 | 67 |
| VSC-FA_03 | 12 x 24 x 12 | 11-3/8 x 23-3/8 x 11-1/2 | 1000 | .70 | .60 | .43 | 57 |
| VSC-FA_02 | 24 x 24 x 6 | 23-3/8 x 23-3/8 x 5-7/8 | 1000 | .40 | .38 | .23 | 55 |
| VSC-FA_08 | 20 x 25 x 6 | 19-3/8 x 24-3/8 x 5-7/8 | 875 | .40 | .38 | .23 | 48 |
| VSC-FA_16 | 20 x 24 x 6 | 19-3/8 x 23-3/8 x 5-7/8 | 825 | .40 | .38 | .23 | 46 |
| VSC-FA_14 | 20 x 20 x 6 | 19-3/8 x 19-3/8 x 5-7/8 | 700 | .40 | .38 | .23 | 38 |
| VSC-FA_07 | 18 x 24 x 6 | 17-3/8 x 23-3/8 x 5-7/8 | 750 | .40 | .38 | .23 | 42 |
| VSC-FA_06 | 16 x 25 x 6 | 15-3/8 x 24-3/8 x 5-7/8 | 700 | .40 | .38 | .23 | 38 |
| VSC-FA_05 | 16 x 20 x 6 | 15-3/8 x 19-3/8 x 5-7/8 | 550 | .40 | .38 | .23 | 31 |
| VSC-FA_01 | 12 x 24 x 6 | 11-3/8 x 23-3/8 x 5-7/8 | 500 | .40 | .38 | .23 | 26 |

* - Insert Filter Efficiency Code (9=90-95%, 8=80-85%, 6=60-65%). Example VSC-FA-904 is 90-95%, 24x24x12 Nominal Size

STANDARD CONSTRUCTION

1. High Efficiency, Microglass Paper Media
2. Corrugated Aluminum Separators With Rolled Edges
3. Microglass Paper Wrap Around media Pack Latex Adhesive Sealant
4. 1/2" Particle Board Cell Sides

NOTES

1. Average Efficiency, MERV (52.2)
90-95% ASHRAE 52.1-1992, MERV 14 ASHRAE 52.2-1999
80-85% ASHRAE 52.1-1992, MERV 13 ASHRAE 52.2-1999
60-65% ASHRAE 52.1-1992, MERV 11 ASHRAE 52.2-1999
2. Final Resistance: 1.5" W.G.
3. Rated Velocity 12" Deep - 500 FPM
4. Rated Velocity 6" Deep - 250 FPM
5. Class 2 Filter Per U.L. Standard 900
6. Maximum Operating Temperature: 200 deg. F
7. Optional Gasket Available
U - Upstream Gasket (Ex: VSC-FA-904-U)
D - Downstream Gasket
UD- Both Sides
8. Reverse Pleat Orientation Available
Add "-R" to Model Number (Ex: VSC-FA-904-R)
9. Special Sizes Available

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P.O. Box 32578
Louisville, KY 40232
P: 502-969-2304
F: 502-961-0930

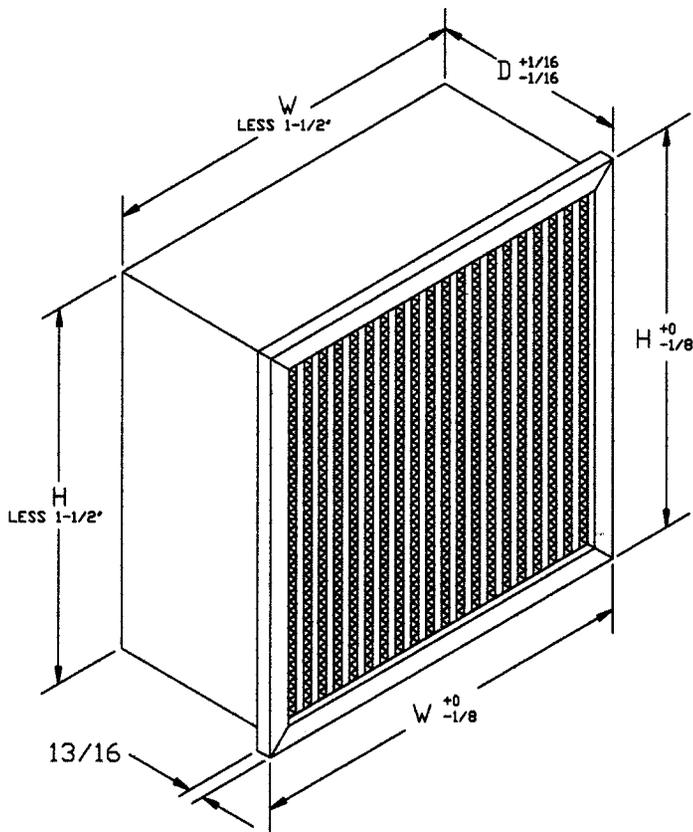
CONTACT FACTORY TO
VERIFY REVISION LEVEL

TOLERANCES UNLESS OTHERWISE SPECIFIED

FRACTIONAL -
DECIMAL -
ANGLES -

ALL DIMENSIONS IN INCHES

| | | | |
|---|----------------------------------|----------------|---------------------------|
| DRAWING NAME VARIFLOW VSC-FA (WOOD BOX STYLE) | | | |
| APPROVED BY <i>HCO</i> | SPECIFICATION NO. MKT-B-00144 | PAGE 1 OF 1 | |
| SCALE NONE | DWG. SIZE A | REVISION B | REVISION DATE 07-02-04 |
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| Model Number * | Nominal Size (Inches) W x H x D | Actual Size (Inches) W x H x D | Rated Air Flow (CFM) | Initial Resistance (IN W.G.) | | | Media Area (Square Feet) |
|----------------|---------------------------------------|--------------------------------------|----------------------------|---------------------------------|--------|--------|-----------------------------|
| | | | | 90-95% | 80-85% | 60-65% | |
| VSC-FB_04 | 24 x 24 x 12 | 23-3/8 x 23-3/8 x 11-1/2 | 2000 | .70 | .60 | .43 | 103 |
| VSC-FB_12 | 20 x 25 x 12 | 19-3/8 x 24-3/8 x 11-1/2 | 1750 | .70 | .60 | .43 | 88 |
| VSC-FB_15 | 20 x 24 x 12 | 19-3/8 x 23-3/8 x 11-1/2 | 1650 | .70 | .60 | .43 | 84 |
| VSC-FB_13 | 20 x 20 x 12 | 19-3/8 x 19-3/8 x 11-1/2 | 1400 | .70 | .60 | .43 | 69 |
| VSC-FB_11 | 18 x 24 x 12 | 17-3/8 x 23-3/8 x 11-1/2 | 1500 | .70 | .60 | .43 | 75 |
| VSC-FB_10 | 16 x 25 x 12 | 15-3/8 x 24-3/8 x 11-1/2 | 1400 | .70 | .60 | .43 | 69 |
| VSC-FB_09 | 16 x 20 x 12 | 15-3/8 x 19-3/8 x 11-1/2 | 1100 | .70 | .60 | .43 | 53 |
| VSC-FB_03 | 12 x 24 x 12 | 11-3/8 x 23-3/8 x 11-1/2 | 1000 | .70 | .60 | .43 | 47 |
| VSC-FB_02 | 24 x 24 x 6 | 23-3/8 x 23-3/8 x 5-7/8 | 1000 | .40 | .38 | .23 | 47 |
| VSC-FB_08 | 20 x 25 x 6 | 19-3/8 x 24-3/8 x 5-7/8 | 875 | .40 | .38 | .23 | 40 |
| VSC-FB_16 | 20 x 24 x 6 | 19-3/8 x 23-3/8 x 5-7/8 | 825 | .40 | .38 | .23 | 38 |
| VSC-FB_14 | 20 x 20 x 6 | 19-3/8 x 19-3/8 x 5-7/8 | 700 | .40 | .38 | .23 | 32 |
| VSC-FB_07 | 18 x 24 x 6 | 17-3/8 x 23-3/8 x 5-7/8 | 750 | .40 | .38 | .23 | 34 |
| VSC-FB_06 | 16 x 25 x 6 | 15-3/8 x 24-3/8 x 5-7/8 | 700 | .40 | .38 | .23 | 31 |
| VSC-FB_05 | 16 x 20 x 6 | 15-3/8 x 19-3/8 x 5-7/8 | 550 | .40 | .38 | .23 | 24 |
| VSC-FB_01 | 12 x 24 x 6 | 11-3/8 x 23-3/8 x 5-7/8 | 500 | .40 | .38 | .23 | 21 |

* - Insert Filter Efficiency Code (9=90-95%, 8=80-85%, 6=60-65%). Example VSC-FB-904 is 90-95%, 24x24x12 Nominal Size

STANDARD CONSTRUCTION

1. High Efficiency, Microglass Paper Media
2. Corrugated Aluminum Separators With Rolled Edges
3. Microglass Paper Wrap Around Media Pack
Latex Adhesive Sealant
4. 1/2" Particle Board Cell Sides
5. Metal Header on Air Entering Side
Single Piece U-Channel

NOTES

1. Average Efficiency, MERV (52.2)
90-95% ASHRAE 52.1-1992, MERV 14 ASHRAE 52.2-1999
80-85% ASHRAE 52.1-1992, MERV 13 ASHRAE 52.2-1999
60-65% ASHRAE 52.1-1992, MERV 11 ASHRAE 52.2-1999
2. Final Resistance: 1.5" W.G.
3. Rated Velocity 12" Deep - 500 FPM
4. Rated Velocity 6" Deep - 250 FPM
5. Class 1 Filter Per U.L. Standard 900
6. Maximum Operating Temperature: 350 deg. F
7. Optional Gasket Available
U - Upstream Gasket (Ex: VSC-FB-904-U)
D - Downstream Gasket
UD- Both Sides
8. Reverse Pleat Orientation Available
Add "-R" to Model Number (Ex: VSC-FB-904-R)
9. Optional 1-1/8" Header ("C" Header) Available
Add "-C" Onto The Model Number (Ex: VSC-FB-904-C)
10. Special Sizes Available



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CONTACT FACTORY TO
VERIFY REVISION LEVEL

**TOLERANCES
UNLESS OTHERWISE SPECIFIED**

FRACTIONAL -
DECIMAL -
ANGLES -

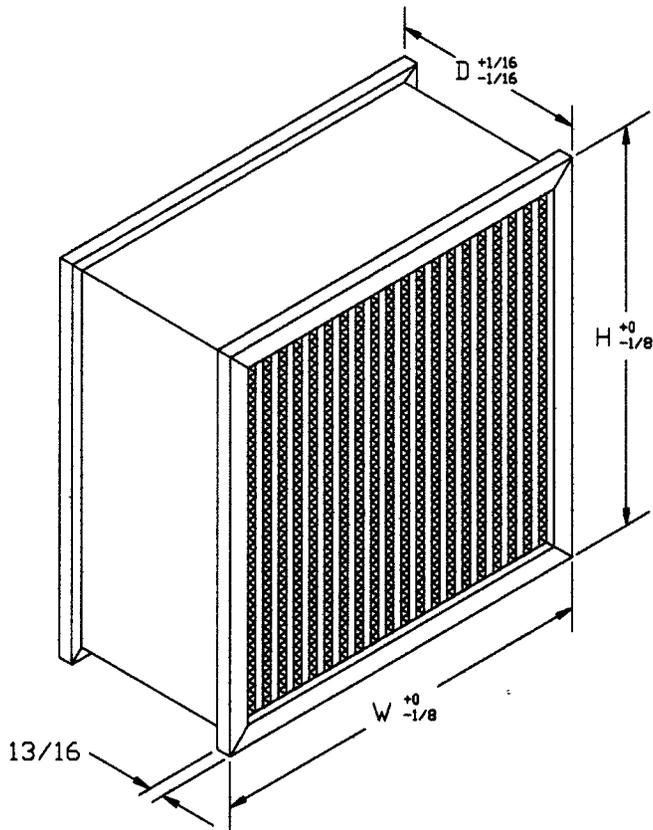
ALL DIMENSIONS IN INCHES

DRAWING NAME

VARIFLOW VSC-FB (WOOD SINGLE HEADER)

| | | |
|------------------------------|----------------------------------|---------------------------|
| APPROVED BY <i>K. Oum</i> | SPECIFICATION NO. MKT-B-00145 | PAGE 1 OF 1 |
| SCALE NONE | DWG. SIZE A | REVISION B |
| | | REVISION DATE 07-02-04 |

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| Model Number * | Nominal Size (Inches) W x H x D | Actual Size (Inches) W x H x D | Rated Air Flow (CFM) | Initial Resistance (IN W.G.) | | | Media Area (Square Feet) |
|----------------|------------------------------------|-----------------------------------|----------------------|------------------------------|--------|--------|--------------------------|
| | | | | 90-95% | 80-85% | 60-65% | |
| VSC-FC_04 | 24 x 24 x 12 | 23-3/8 x 23-3/8 x 11-1/2 | 2000 | .70 | .60 | .43 | 103 |
| VSC-FC_12 | 20 x 25 x 12 | 19-3/8 x 24-3/8 x 11-1/2 | 1750 | .70 | .60 | .43 | 88 |
| VSC-FC_15 | 20 x 24 x 12 | 19-3/8 x 23-3/8 x 11-1/2 | 1650 | .70 | .60 | .43 | 84 |
| VSC-FC_13 | 20 x 20 x 12 | 19-3/8 x 19-3/8 x 11-1/2 | 1400 | .70 | .60 | .43 | 69 |
| VSC-FC_11 | 18 x 24 x 12 | 17-3/8 x 23-3/8 x 11-1/2 | 1500 | .70 | .60 | .43 | 75 |
| VSC-FC_10 | 16 x 25 x 12 | 15-3/8 x 24-3/8 x 11-1/2 | 1400 | .70 | .60 | .43 | 69 |
| VSC-FC_09 | 16 x 20 x 12 | 15-3/8 x 19-3/8 x 11-1/2 | 1100 | .70 | .60 | .43 | 53 |
| VSC-FC_03 | 12 x 24 x 12 | 11-3/8 x 23-3/8 x 11-1/2 | 1000 | .70 | .60 | .43 | 47 |
| VSC-FC_02 | 24 x 24 x 6 | 23-3/8 x 23-3/8 x 5-7/8 | 1000 | .40 | .38 | .23 | 47 |
| VSC-FC_08 | 20 x 25 x 6 | 19-3/8 x 24-3/8 x 5-7/8 | 875 | .40 | .38 | .23 | 40 |
| VSC-FC_16 | 20 x 24 x 6 | 19-3/8 x 23-3/8 x 5-7/8 | 825 | .40 | .38 | .23 | 38 |
| VSC-FC_14 | 20 x 20 x 6 | 19-3/8 x 19-3/8 x 5-7/8 | 700 | .40 | .38 | .23 | 32 |
| VSC-FC_07 | 18 x 24 x 6 | 17-3/8 x 23-3/8 x 5-7/8 | 750 | .40 | .38 | .23 | 34 |
| VSC-FC_06 | 16 x 25 x 6 | 15-3/8 x 24-3/8 x 5-7/8 | 700 | .40 | .38 | .23 | 31 |
| VSC-FC_05 | 16 x 20 x 6 | 15-3/8 x 19-3/8 x 5-7/8 | 550 | .40 | .38 | .23 | 24 |
| VSC-FC_01 | 12 x 24 x 6 | 11-3/8 x 23-3/8 x 5-7/8 | 500 | .40 | .38 | .23 | 21 |

* - Insert Filter Efficiency Code (9=90-95%, 8=80-85%, 6=60-65%), Example VSC-FC-904 is 90-95%, 24x24x12 Nominal Size

STANDARD CONSTRUCTION

1. High Efficiency, Microglass Paper Media
2. Corrugated Aluminum Separators With Rolled Edges
3. Microglass Paper Wrap Around Media Pack Latex Adhesive Sealant
4. 1/2" Particle Board Cell Sides
5. Header on Both Side: Single Piece U-Channel

NOTES

1. Average Efficiency, MERV (52.2)
90-95% ASHRAE 52.1-1992, MERV 14 ASHRAE 52.2-1999
80-85% ASHRAE 52.1-1992, MERV 13 ASHRAE 52.2-1999
60-65% ASHRAE 52.1-1992, MERV 11 ASHRAE 52.2-1999
2. Final Resistance: 1.5" W.G.
3. Rated Velocity 12" Deep - 500 FPM
4. Rated Velocity 6" Deep - 250 FPM
5. Class 2 Filter Per U.L. Standard 900
6. Maximum Operating Temperature: 200 deg. F
7. Optional Gasket Available
U - Upstream Gasket (Ex: VSC-FC-904-U)
D - Downstream Gasket
UD- Both Sides
8. Reverse Pleat Orientation Available
Add "-R" to Model Number (Ex: VSC-FC-904-R)
9. Special Sizes Available

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CONTACT FACTORY TO VERIFY REVISION LEVEL

TOLERANCES UNLESS OTHERWISE SPECIFIED

- FRACTIONAL
- DECIMAL
- ANGLES

ALL DIMENSIONS IN INCHES

DRAWING NAME
VARIFLOW VSC-FC (WOOD DOUBLE HEADER)

| | | |
|--------------------------------------|----------------------------------|---------------------------|
| APPROVED BY <i>K. [Signature]</i> | SPECIFICATION NO. MKT-B-00146 | PAGE 1 OF 1 |
| SCALE NONE | DWG SIZE A | REVISION B |
| | | REVISION DATE 07-02-04 |

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