

A self-cleaning collector for intermittent applications where high collection efficiency is essential, such as reclaiming precious metals.

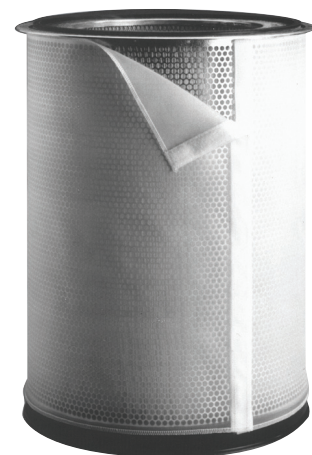
- Two-stage cartridge for high-efficiency filtration on both coarse and fine dusts.
- Compact, self-contained collector design allows placement flexibility and saves floor space.
- Preassembled for easy, low-cost installation—no need for compressed air.
- Selection of inlet size and location for installation flexibility.
- Recirculates filtered air saving heating and cooling costs.
- Provides a cleaner work environment for maximum productivity.
- Reduces plant maintenance costs.



**VS-550**

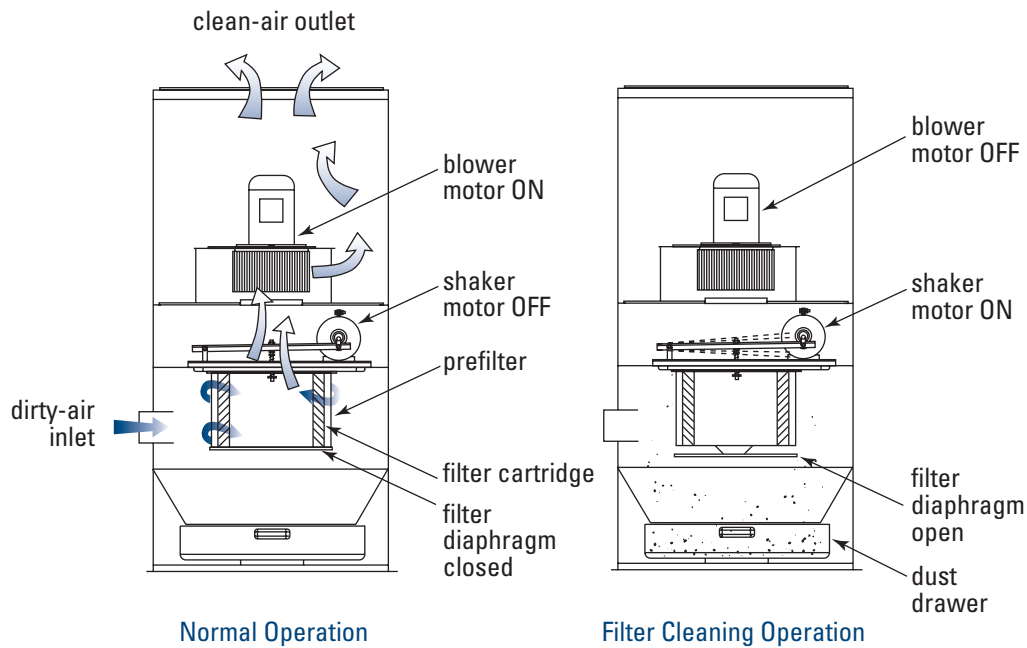
Vibra Shake cartridge filter features proprietary Pleatloc™ corrugation that assures uniform pleat spacing for better self-cleaning and longer filter life.

- Filter screen captures coarse and fibrous particles.
- Submicron particulates pass through the filter screen and are trapped by the inner layer of media.
- Galvanized outer liner protects filter media.
- Easy filter changeout for quicker maintenance.



# VIBRA SHAKE DUST COLLECTOR

## OPERATIONAL EXPLANATION



Automatic mechanical self-cleaning ensures the filter cartridge is cleaned every time the unit is shut off. It does an excellent job more cost effectively, and it does it quietly because of heavy-duty construction, special sound-attenuating material, and a vibration isolation motor mount.

## MULTIPLE RATING TABLE

| Model   | Nominal Airflow* (cfm) | Motor (hp) | Inlet (inches) | External Static Pressure ("wg) |
|---------|------------------------|------------|----------------|--------------------------------|
| VS-500  | 550                    | 1          | 4              | 4.3                            |
|         | 500                    | 1          | 4              | 4.3                            |
|         | 450                    | 1          | 4              | 4.6                            |
|         | 400                    | 1          | 4              | 4.7                            |
| VS-1200 | 1243                   | 3          | 6              | 4.8                            |
|         | 1100                   | 3          | 6              | 5.8                            |
|         | 1000                   | 3          | 6              | 6.2                            |
|         | 800                    | 3          | 6              | 7.2                            |
|         | 700                    | 3          | 6              | 7.5                            |
| VS-1500 | 1525                   | 5          | 7              | 3.0                            |
|         | 1447                   | 5          | 7              | 3.6                            |
|         | 1348                   | 5          | 7              | 4.2                            |
|         | 1200                   | 5          | 7              | 5.2                            |
|         | 1000                   | 5          | 7              | 6.0                            |

| Model   | Nominal Airflow* (cfm) | Motor (hp) | Inlet (inches) | External Static Pressure "wg |
|---------|------------------------|------------|----------------|------------------------------|
| VS-2400 | 2400                   | 5          | 8              | 5.7                          |
|         | 2200                   | 5          | 8              | 6.2                          |
|         | 2000                   | 5          | 8              | 6.7                          |
|         | 1800                   | 5          | 8              | 7.0                          |
|         | 1600                   | 5          | 8              | 7.2                          |
| VS-3000 | 1400                   | 5          | 8              | 7.4                          |
|         | 3300                   | 7.5        | 10             | 4.4                          |
|         | 3000                   | 7.5        | 10             | 5.2                          |
|         | 2800                   | 7.5        | 10             | 5.8                          |
|         | 2600                   | 7.5        | 10             | 6.6                          |
|         | 2400                   | 7.5        | 10             | 7.1                          |
|         | 2200                   | 7.5        | 10             | 7.6                          |
|         | 2000                   | 7.5        | 10             | 8.0                          |
|         | 1800                   | 7.5        | 10             | 8.2                          |

\* Based on clean filters.

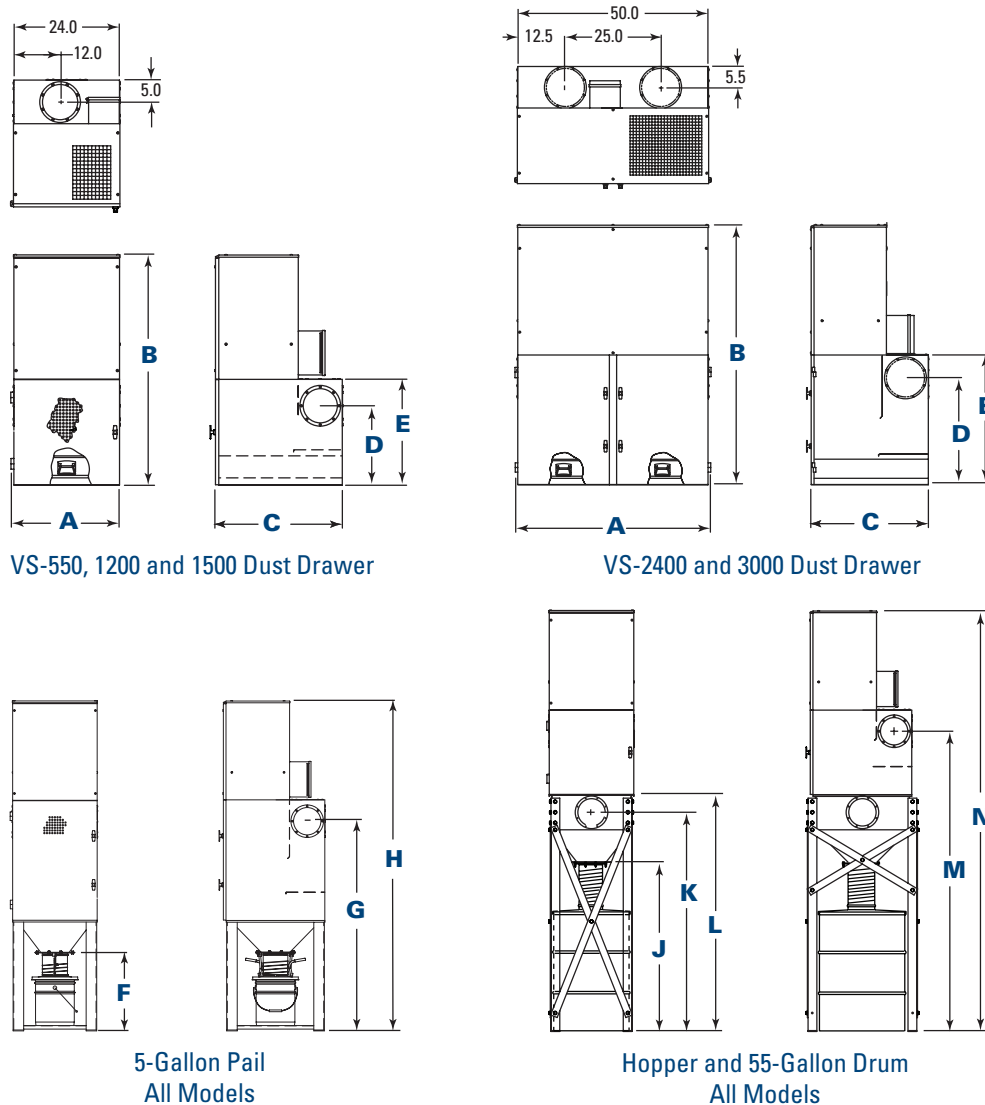
# VIBRA SHAKE DUST COLLECTOR

## DIMENSIONS & SPECIFICATIONS

| Model   | Nominal Airflow* (cfm) | Filter Area (ft <sup>2</sup> ) | Dust Drawer Volume (cu ft) | Shipping Weight Dust Drawer (lbs) | Shipping Weight Hopper (lbs) | Sound Level dB(A)** |
|---------|------------------------|--------------------------------|----------------------------|-----------------------------------|------------------------------|---------------------|
| VS-550  | 550                    | 65                             | 1.8                        | 350                               | 490                          | 69                  |
| VS-1200 | 1200                   | 135                            | 1.8                        | 370                               | 510                          | 74                  |
| VS-1500 | 1500                   | 177                            | 1.8                        | 385                               | 525                          | 79                  |
| VS-2400 | 2400                   | 270                            | 3.6                        | 685                               | 960                          | 81                  |
| VS-3000 | 3000                   | 354                            | 3.6                        | 776                               | 1050                         | 83                  |

\* Based on clean filters.

\*\* Published dB(A) sound levels are for units without HEPA filter and are an overall average. This average is determined for one operating condition and in a controlled laboratory environment. Actual installed equipment sound levels will vary depending on the measurement location, the operating condition, the installation, and the environment.



| Model*  | Dimensions (inches) |      |      |      |      |      |      |      |      |      |      |       |       |
|---------|---------------------|------|------|------|------|------|------|------|------|------|------|-------|-------|
|         | A                   | B    | C    | D    | E    | F    | G    | H    | J    | K    | L    | M     | N     |
| VS-550  | 24.7                | 52.2 | 30.8 | 18.1 | 24.1 | 22.3 | 49.5 | 83.7 | 48.0 | 62.3 | 67.3 | 85.3  | 119.4 |
| VS-1200 | 24.7                | 62.2 | 30.8 | 28.1 | 34.1 | 22.3 | 59.3 | 93.7 | 48.0 | 62.3 | 67.3 | 101.4 | 129.4 |
| VS-1500 | 24.7                | 68.2 | 30.8 | 34.1 | 40.1 | 22.3 | 65.5 | 99.7 | 48.0 | 62.3 | 67.3 | 107.4 | 135.4 |
| VS-2400 | 51.3                | 69.2 | 33.0 | 28.1 | 34.2 | —    | —    | —    | 48.0 | —    | —    | 103.6 | 144.7 |
| VS-3000 | 51.3                | 75.2 | 33.0 | 34.1 | 40.1 | —    | —    | —    | 48.0 | —    | —    | 109.6 | 150.7 |

\* 60 Hz models.

# VIBRA SHAKE DUST COLLECTOR

## STANDARD FEATURES & AVAILABLE OPTIONS

| Collector Design                            | Std | Opt | Paint System   | Std | Opt |
|---|-----|-----|--|-----|-----|
| Integral Fan Housing with Motor             | X   |     | Prime Coated Interior  | X   |     |
| Shaker Motor 1/8 hp, 115/60/1 TENV          | X   |     | Blue Exterior Finish Coating Meets 250-Hour Salt Spray Corrosion Protection Test | X   |     |
| Inlet Collar                                | X   |     | Custom Color   |     | X   |
| Hinged Cartridge Access Door                | X   |     | Hostile Environment Coating  |     | X   |
| Prewired Cleaning Control NEMA 12           | X   |     | Epoxy Coating  |     | X   |
| Prewired Starter Controls                   |     | X   | <b>Hopper Discharge</b>  |     |     |
| Louver Pack                                 |     | X   | Dust Drawer Base   | X   |     |
| Casters                                     |     | X   | 5-Gallon Pail Pack with and without Gate   |     | X   |
| Outriggers with 4-in. Casters (VS-550-1500) |     | X   | 55-Gallon Drum Arrangement with and without Gate (does not include drum)         |     | X   |
| Silencers (VS-2400 and VS-3000)             |     | X   | Slide Gate   |     | X   |
| Extraction Arm                              |     | X   | <b>Electrical Controls, Gauges and Enclosures</b>                                |     |     |
| <b>Cartridge Filters</b>                    |     |     | Magnehelic®* Gauge   |     | X   |
| Two-Stage Filtration                        | X   |     | <b>Warranty</b>  |     |     |
| HEPA Afterfilters                           |     | X   | 10-Year Warranty   | X   |     |

\* Magnehelic is a registered trademark of Dwyer Instruments, Inc.

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