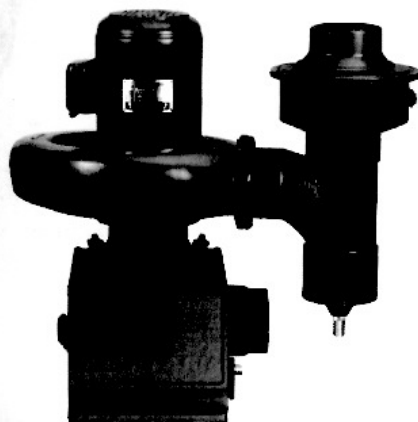
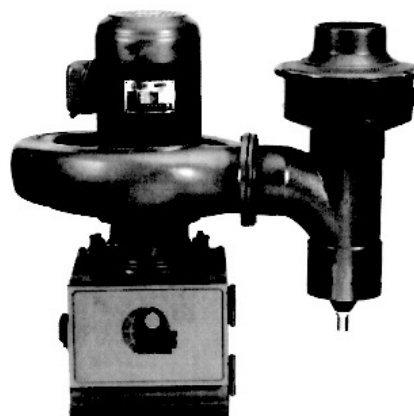


Designed specifically for the filtration of coolants,  
oil mist from Today's modern machine tools.

**BM**  
Ducted Style Oil Mist Collector



**BV**  
Direct Mount Style Oil Mist Collector



#### ■ FEATURES

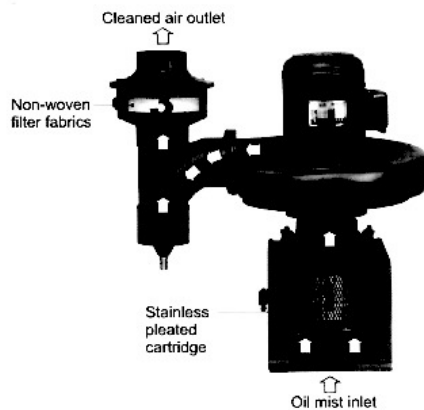
- Clean the Air
- Machine Fluid Savings
- Most of oil is separated, not filtered.
- Reduced Mist Exposure
- No expensive filters to replace
- Reduces Housekeeping Costs
- Easy installation & maintenance
- Compact and light weight.

#### ■ BM • BV type SPECIFICATION

| Hz | Type    |         | Motor |      |    |         | Bore |     | Maxi.<br>Discharge | Maxi.<br>Capacity | Noise | L x W x H   | Weight |
|----|---------|---------|-------|------|----|---------|------|-----|--------------------|-------------------|-------|-------------|--------|
|    | BM      | BV      | HP    | KW   | PH | V       | inch | mm  | mmAq               | m/min             | dB    | mm          | kg     |
| 50 | BM-0532 | BV-0532 | 1/2   | 0.37 | 3  | 220-440 | 4"   | 100 | 130                | 6.3               | 50    | 570x380x580 | 28     |
|    | BM-132  | BV-132  | 1     | 0.75 | 3  | 220-440 | 4"   | 100 | 210                | 15.7              | 62    | 640x435x605 | 38     |
|    | BM-232  | BV-232  | 2     | 1.5  | 3  | 220-440 | 4"   | 100 | 230                | 18.3              | 72    | 720x520x615 | 43     |
| 60 | BM-0532 | BV-0532 | 1/2   | 0.37 | 3  | 220-440 | 4"   | 100 | 150                | 8.5               | 56    | 570x380x580 | 28     |
|    | BM-132  | BV-132  | 1     | 0.75 | 3  | 220-440 | 4"   | 100 | 240                | 18.3              | 68    | 640x435x605 | 38     |
|    | BM-232  | BV-232  | 2     | 1.5  | 3  | 220-440 | 4"   | 100 | 300                | 21.5              | 80    | 720x520x615 | 43     |

#### ■ APPLICATION

CNC Lathe, NC Processing, Spray coating machine, Tapping machine, Machine Center, Homing Machine



## HOW THE OIL MIST IS COLLECTED

### 1.Pre-separation

The oil mist is sucked away from the tooling area of the machining tool through the 4 inch intake. The primary "stainless pleated cartridge" separates most of the oil mist and provides exceptional gravity drainage. The bulk of the oil is quickly removed out of the air flow and to be drained back to the machine tool through the 4 inch intake (BV type) or the 1/2 inch oil pipe drain (BM type).

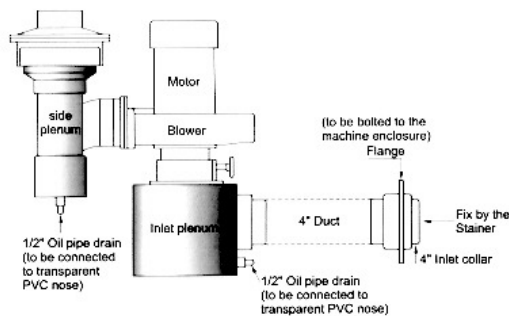
### 2.Centrifugal

In the intermediate blower, a vortex is created by the fan rotation causing a formation of large oil drops which will easily be separate on the side plenum. Because of the gravitation, the large oil drops will again flow back to the machine tool through (another) 1/2 inch oil pipe drain located at the bottom of the side plenum.

### 3.Final Filtration

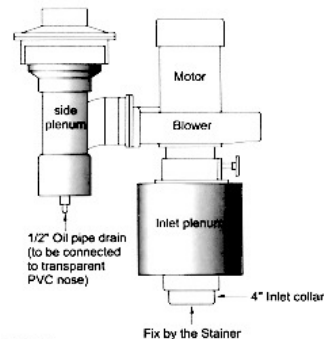
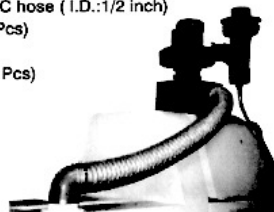
The cleaned air is sucked by the blower and blown out through the "non-woven filter fabrics" towards the top of the unit.

## STANDARD ACCESSORIES



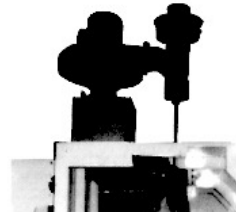
### BM Type :

- Stainless pleated filter cartridge
- Non-woven Filter Fabric (10 Pcs)
- Flanged External Connector  
(to be bolted to the machine enclosure)
- Strainer for the External Connector
- Transparent PVC hose ( I.D.:1/2 inch)
- 90°C Elbow (2 Pcs)
- Flexible Duct
- Duct Clamp (4 Pcs)
- Hardware



### BV Type :

- Stainless pleated filter cartridge
- Non-woven Filter Fabric (10 Pcs)
- Flanged Inlet Collar
- Strainer for the Inlet Collar
- Transparent PVC hose ( I.D.:1/2 inch)
- Hardware



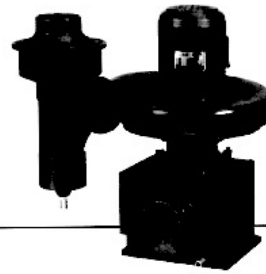
FILTRATION ELEMENT



Stainless pleated cartridge

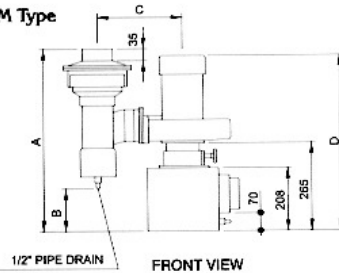


Non-woven filter fabrics

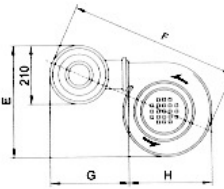


■ DIMENSIONS

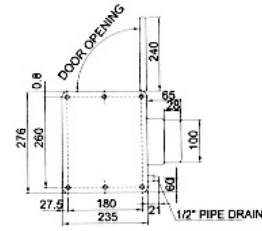
BM Type



1/2" PIPE DRAIN FRONT VIEW



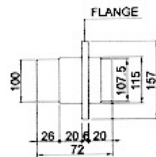
TOP VIEW



BOTTOM VIEW



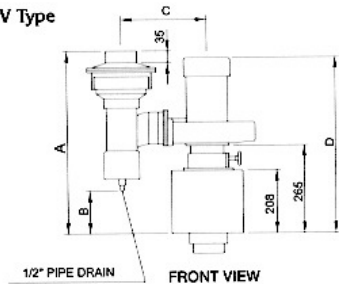
FLANGE



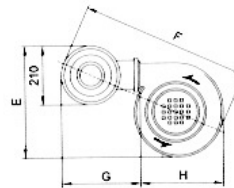
External Connector

| TYPE    | UNIT : mm |     |     |     |     |     |     |     |
|---------|-----------|-----|-----|-----|-----|-----|-----|-----|
|         | A         | B   | C   | D   | E   | F   | G   | H   |
| BM-0532 | 580       | 140 | 290 | 550 | 380 | 570 | 235 | 315 |
| BM-132  | 605       | 155 | 620 | 610 | 435 | 640 | 240 | 380 |
| BM-232  | 615       | 165 | 660 | 635 | 520 | 720 | 240 | 460 |

BV Type



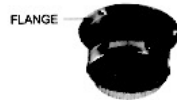
1/2" PIPE DRAIN FRONT VIEW



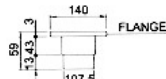
TOP VIEW



BOTTOM VIEW



FLANGE



Inlet Collar

| TYPE    | UNIT : mm |     |     |     |     |     |     |     |
|---------|-----------|-----|-----|-----|-----|-----|-----|-----|
|         | A         | B   | C   | D   | E   | F   | G   | H   |
| BV-0532 | 580       | 140 | 290 | 550 | 380 | 570 | 235 | 315 |
| BV-132  | 605       | 155 | 620 | 610 | 435 | 640 | 240 | 380 |
| BV-232  | 615       | 165 | 660 | 635 | 520 | 720 | 240 | 460 |