

FMC
Cartridge Filter

FMC

Features

***Bench Grinding • Cutting • Bagging Operations • Welding
Conveyors • Mixing • Laser Cutting***

Suitable for collection of most fine
dusts including metal grinding,
welding fumes and most powders



Uses Cartridge type filters

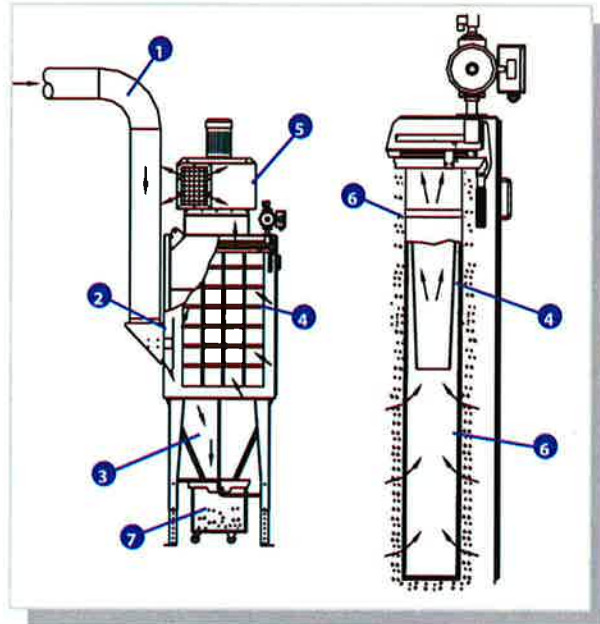
1,850 - 12,300 CFM

- Vertical cartridge configuration to avoid build-up of dust on cartridge
- Easy removal of cartridges through use of unique guide rails
- Compressed air cleaning
- Various filtration medias available
- Galvanized construction for indoor or out door placement
- Integral or remote mounted fans available

How It Works

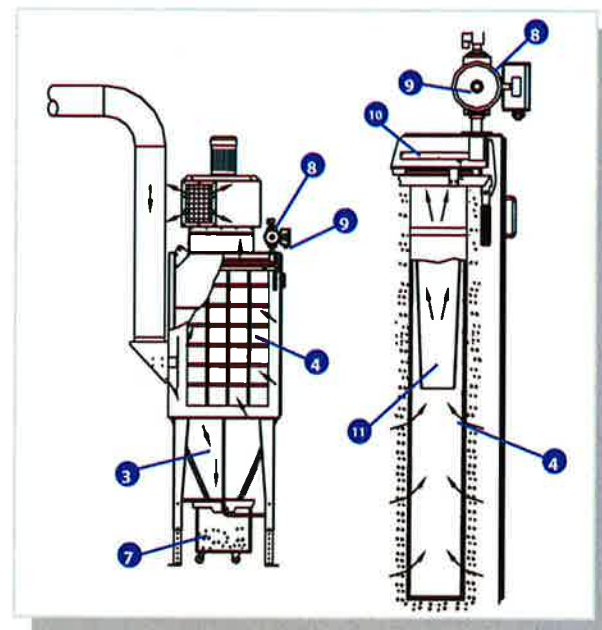
...during normal operation

1. During normal operation, the dust laden air from the plant travels down the supply duct **1**
2. A standard baffle **2** is mounted at the inlet of the filter to break up the air flow and direct the dust downward into the hopper section **3** while protecting the filter cartridges from abrasive dusts
3. The lighter dust collects on the outside of the filter cartridges **4** as clean air passes through to the inside of each cartridge **6**. Finally, the clean air travels through the air handling fan **5** where it could be returned to the plant or exhausted outdoors
4. The heavier dust settles in the hopper section **3** where it can be discharged into a metal bin **7** or through a rotary air lock



...while cleaning

1. The FMC utilizes a Delta-P gauge to control the compressed air cleaning. In essence, the filter cleans itself when it needs to!
2. A compressed air line **9** must be connected to one end of the compressed air manifold **8**
3. A solenoid valve opens to allow compressed air from the compressed air manifold **8** into the jet tubes **10**. The jet tubes are aligned above EACH cartridge
4. Our patented Unclean sleeve **11** contains the blast of compressed air at the top of each cleaning from the top of the cartridge to the bottom
5. The downward blast blows the dust off the filter cartridge **4** (from the inside out) where it settles into the hopper section **3** to be collected in the metal bin **7** or discharged through a rotary air lock

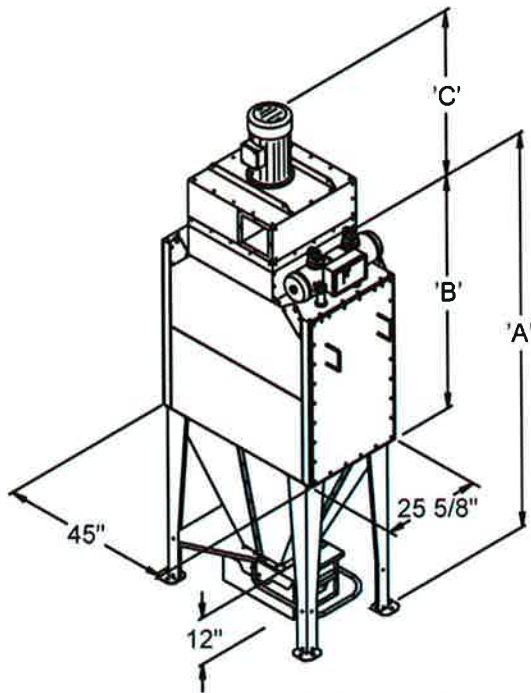


NOTE: Please consult with your Dantherm Filtration representative for compressed air requirements

FMC

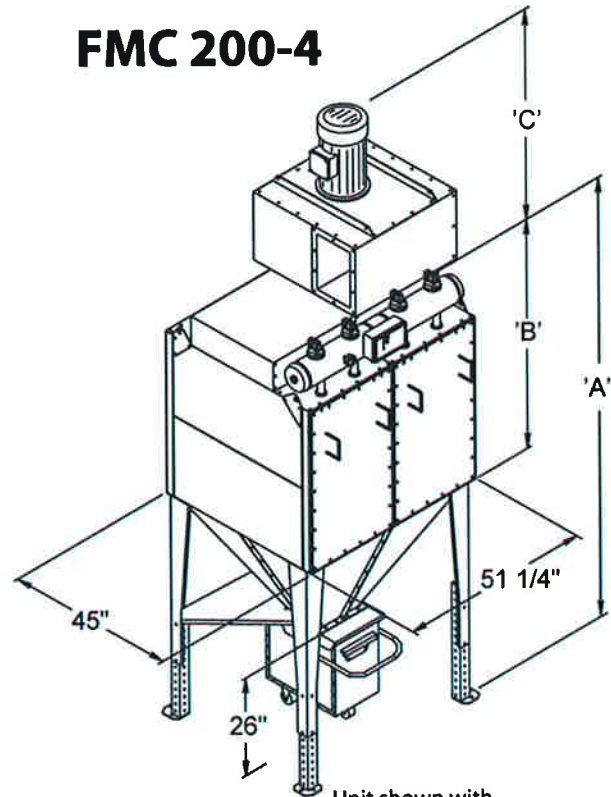
Unit Specifications

FMC 200-2



Unit shown with
14 gallon bin

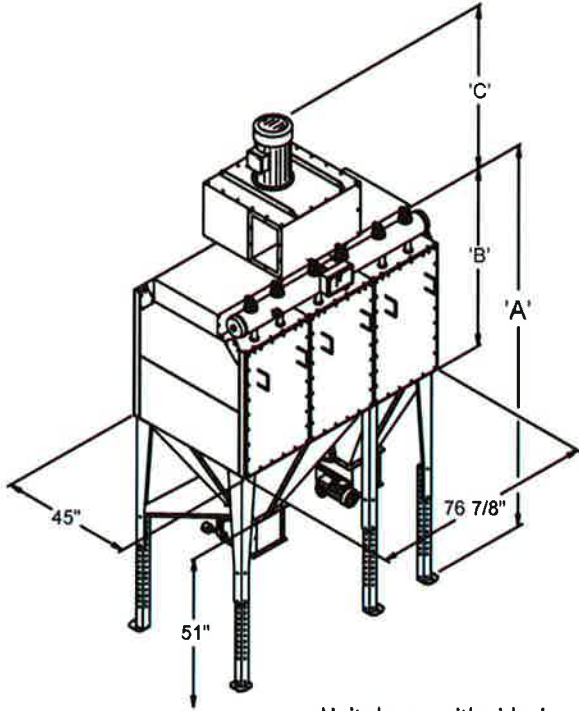
FMC 200-4



Unit shown with
28 gallon bin

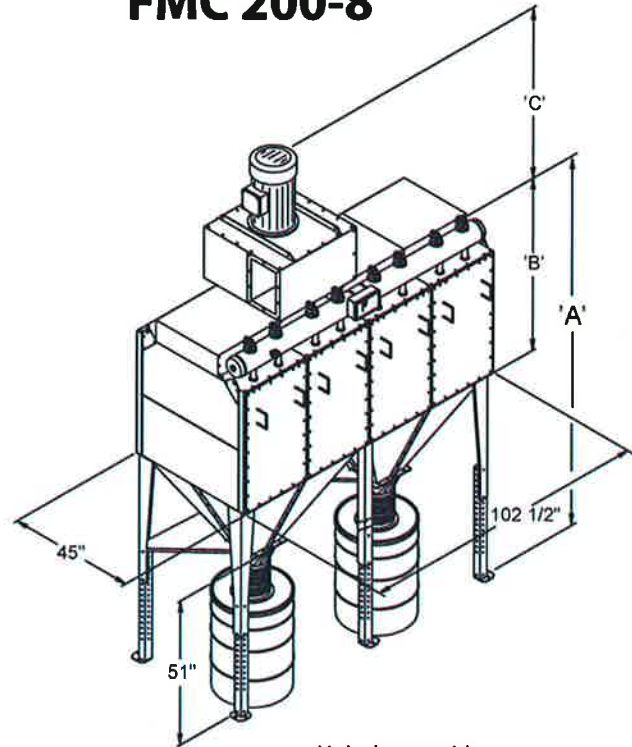
MODEL NUMBER	NO. OF CARTRIDGES AND TYPE	FILTER MEDIA (ft ²)	MAX AIR VOLUME (cfm)	'A1' With small bin (14gal.)	'A2' With large bin (28gal.)	'A3' With large drum (55gal.) or air-lock	'B'	'C'	STANDARD FAN ARRGT.	WEIGHT FILTER & FAN (lbs)
FMC200-2L	8 POLYESTER	344	1850	8'-6"	9'-8"	11'-9"	4'-9"	1'-9"	FM 620 5 HP	800
	8 CELLULOSE	775								
FMC200-2A	8 POLYESTER	570	3100	10'-4"	11'-6"	13'-7"	6'-7"	2'-0"	FM 625 7.5 HP	1,000
	8 CELLULOSE	1249								
FMC200-4L	16 POLYESTER	689	3700	8'-6"	9'-8"	11'-9"	4'-9"	2'-0"	FM 825 10 HP	1,300
	16 CELLULOSE	1550								
FMC200-4A	16 POLYESTER	1140	6200	10'-4"	11'-6"	13'-7"	6'-7"	2'-9"	FM 831 20 HP	1,500
	16 CELLULOSE	2497								

FMC 200-6



Unit shown with airlock & damper discharge

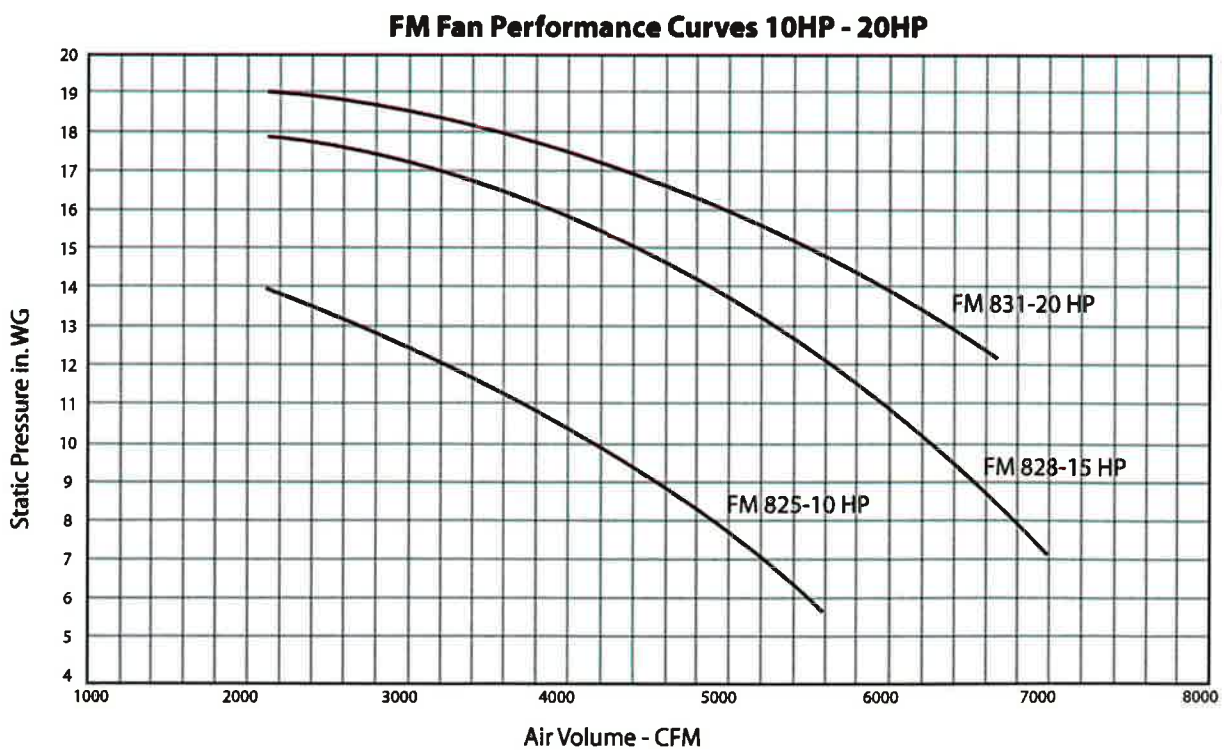
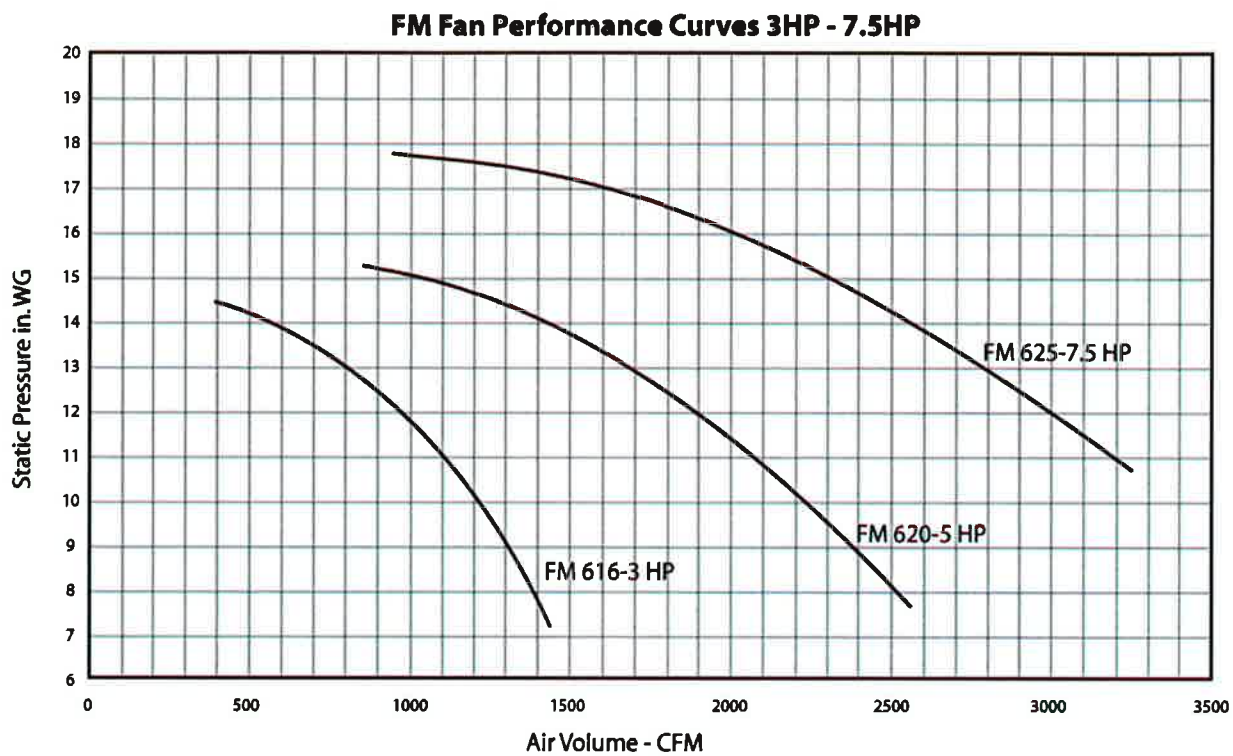
FMC 200-8



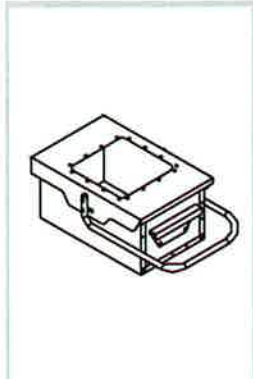
Unit shown with 55 gallon drum

MODEL NUMBER	NO. OF CARTRIDGES AND TYPE	FILTER MEDIA (ft ²)	MAX AIR VOLUME (cfm)	'A1' With small bin (14gal.)	'A2' With large bin (28gal.)	'A3' With large drum (55gal.) or air-lock	'B'	'C'	STANDARD FAN ARRGT.	WEIGHT FILTER & FAN (lbs)
FMC200-6L	24 POLYESTER	1,033	5,500	8' - 6"	9' - 8"	11' - 9"	4' - 9"	1' - 9"	FM 828 15 HP	2,000
	24 CELLULOSE	2,325								
FMC200-6A	24 POLYESTER	1,711	9,200	10' - 4"	11' - 6"	13' - 7"	6' - 7"	2' - 0"	2 x FM 828 2 x 15 HP	2,400
	24 CELLULOSE	3,745								
FMC200-8L	32 POLYESTER	1,378	7,400	8' - 6"	9' - 8"	11' - 9"	4' - 9"	2' - 0"	2 x FM 825 2 x 10 HP	2,500
	32 CELLULOSE	3,100								
FMC200-8A	32 POLYESTER	2,282	12,300	10' - 4"	11' - 6"	13' - 7"	6' - 7"	2' - 9"	2 x FM 831 2 x 20 HP	3,200
	32 CELLULOSE	4,994								

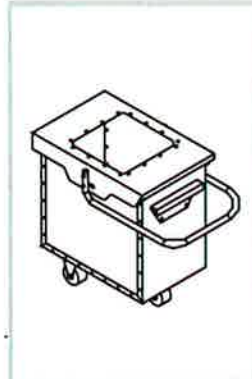
Fan Curves



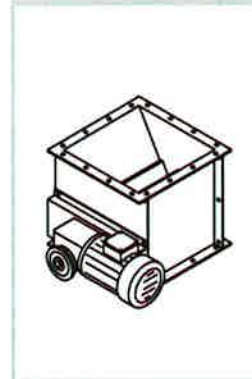
Options



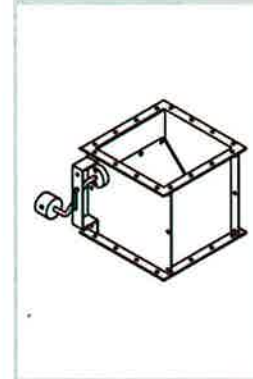
14 gallon quick release bin



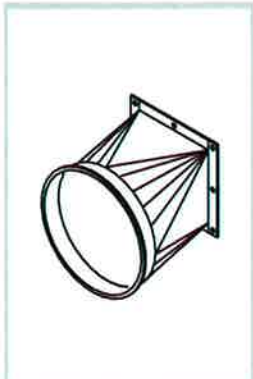
28 gallon quick release bin with wheels



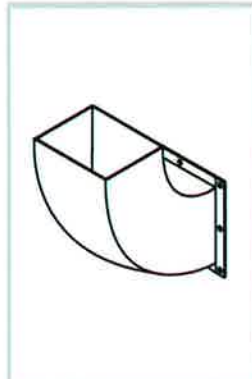
NRS3 rotary air-lock



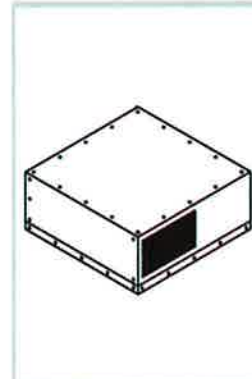
NFSU3 counter balanced dump valve



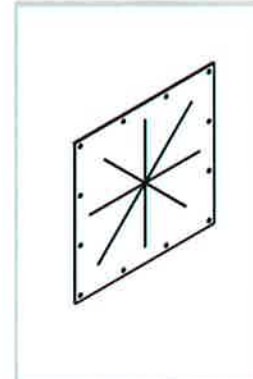
Fan outlet transition



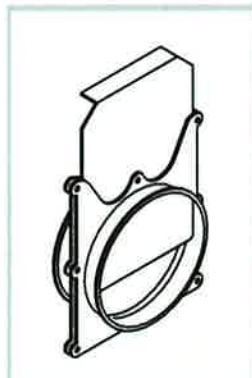
Fan outlet elbow with wheels



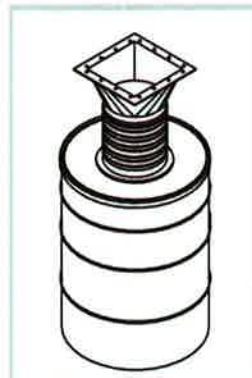
Silencer



Explosion panel



Fan outlet damper with wheels



55 gallon drum assembly