



Aluminium Federation:

For Aluminium Dust always use wet collectors wherever possible

HSG258:

Wet Scrubbers eliminate fire and explosion hazards

Magnesium Regulations:

Dust extraction must be by means of a scrubber to water-drench the captured dust.



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When extracting hazardous dust such as Aluminium, or Titanium, the HSE recommends that a wet collector is the safe option to mitigate fire or explosion risks. Our Nonflam units conform to the requirements of the Aluminium Federation recommendations in the UK. The Nonflam range also has a standard option of enhanced control feature for safely extracting hazardous Magnesium dust.

Even when extracting non-hazardous dust such as ferrous steels from a process generating sparks, we would recommend a wet collector to mitigate the risk of a fire in the filter unit itself.

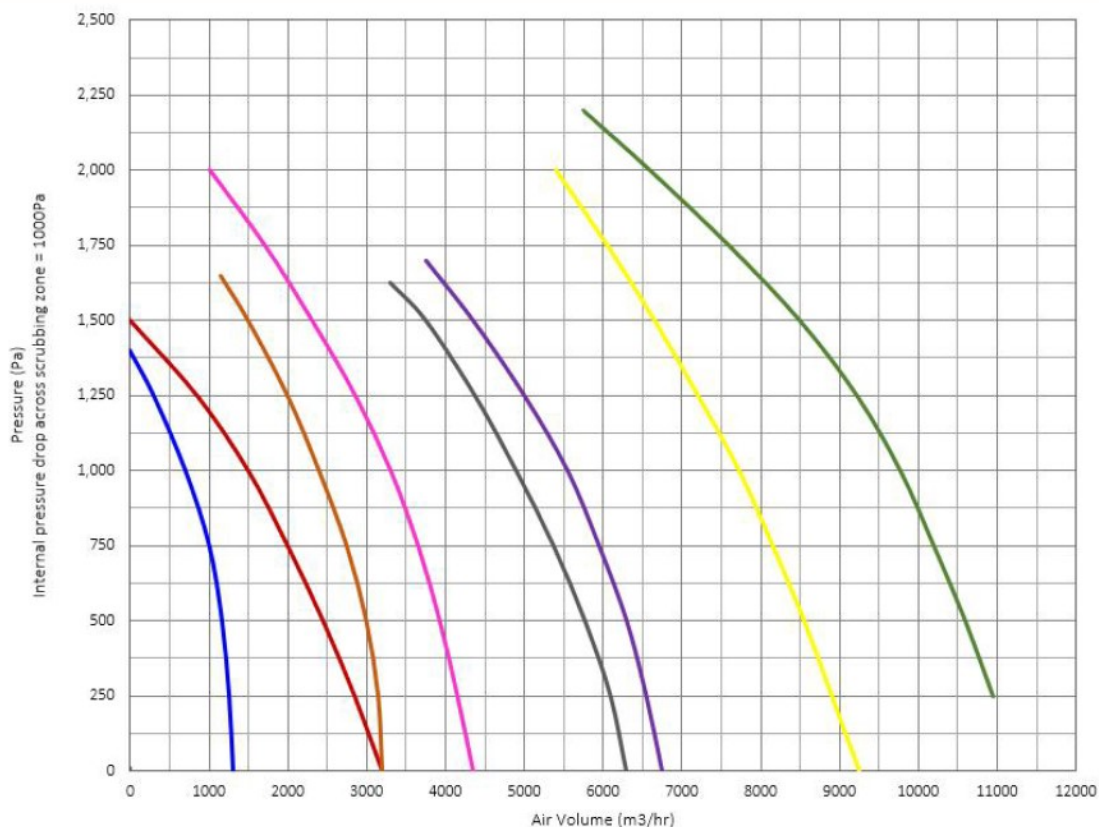
The units have doors at the front for access, and inlet spigots at the rear for connection to a ductwork system. Discharge of cleaned air is from the top of the units and an optional discharge spigot can be selected for a discharge duct/stack to connect to.

Internally, the units have efficient spray inducers and internal parts are now manufactured from stainless steel for longevity. They also feature high efficiency eliminators, reducing the risk of water droplet carry over.

All versions of the Nonflam units are available in either, painted mild steel, 304L stainless steel for corrosion resistance, or 316L stainless steel construction for the food industry or coastal locations. The W80 unit is also available with GRP body. The units can be safely located outdoors with the option of our weather protection package.

As a wet collector does not have material bag filters which can block up, it will maintain 100% of its cleaning action for the lifetime of the unit.

Non Flam Fan Curves



- W60 1.1kW
 - W80 2.2kW
 - W80 3.0kW
 - W120 4.0 kW
 - W120 & W185 5.5kW
 - W120 & W185 7.5kW
 - W185 11.0kW
 - W220 15.0kW
- Air Volume Point

OPTIONS:-

- MAGNESIUM CONTROL BOX
- HEATER (if installed outside)
- INHIBITOR
- SLUDGE BIN

ADDITIONAL INFORMATION:

- INLET WATER CONNECTION
DETAIL: MAINS SUPPLY
- CONNECTION: 1/2" BSP
- DRAIN VALVE CONNECTION
DETAIL - DRAIN VALVE SIZE:
1½" BSP
- UNIT TO BE SITED ON A FLAT,
LEVEL SURFACE

TECHNICAL SPECIFICATION:-

MODEL	MOTOR SIZE	NOMINAL DUTY	NOMINAL WATER CAPACITY
W60	1.1 kW	1000 m ³ /hr up to 700 Pa external	220l
W80	2.2 kW 3.0 kW	2000 m ³ /hr up to 750 Pa external 2500 m ³ /hr up to 1000 Pa external	280l
W120	4.0 kW 5.5 kW 7.5 kW	3250 m ³ /hr up to 1000 Pa external 4000 m ³ /hr up to 1375 Pa external 4500 m ³ /hr up to 1400 Pa external	480l
W185	5.5 kW 7.5 kW 11.0 kW	5000 m ³ /hr up to 950 Pa external 5000 m ³ /hr up to 1250 Pa external 7000 m ³ /hr up to 1300 Pa external	880l
W220	15 kW	9000 m ³ /hr up to 1300 Pa external	960l

MATERIAL :-

MILD STEEL
STAINLESS STEEL 304L
STAINLESS STEEL 316L

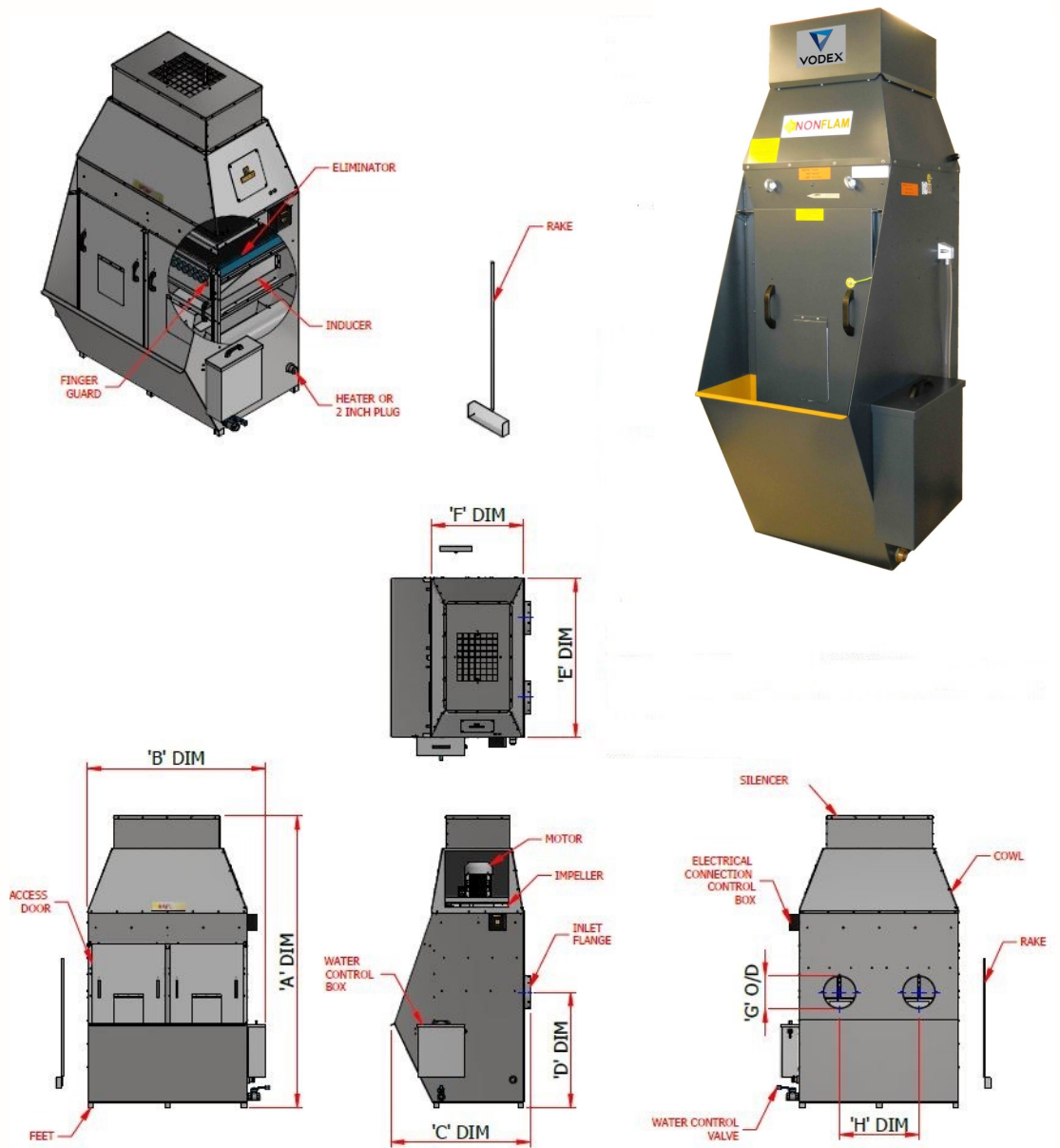
FINISH :-

MILD STEEL - POWDERCOATED RAL7043
STAINLESS STEEL 304L/316L - NATURAL,PASSIVATED

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W Series Wet Collectors



NON-FLAM DATA								
MODEL	DIM 'A'	DIM 'B'	DIM 'C'	DIM 'D'	'E' DIM	'F' DIM	'G' DIM	'H' DIM
W60	1838 mm	743 mm	949 mm	796 mm	570 mm	570 mm	156 mm	N/A
W80	2140 mm	838 mm	1032 mm	894 mm	670 mm	667 mm	210 mm	N/A
W120	2720 mm	1042 mm	1306 mm	1088 mm	870 mm	866 mm	314 mm	N/A
W185	2753 mm	1676 mm	1315 mm	1088 mm	1506 mm	866 mm	308 mm	750 mm
W220	2978 mm	1910 mm	1324 mm	1088 mm	1714 mm	880 mm	308 mm	864 mm

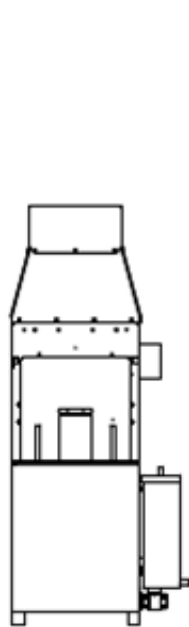
No OF INLETS/DOORS	WEIGHT	
	MILD STEEL	STAINLESS STEEL
1	165	168
1	232	240
1	345	355
2	585	570
2	700	720

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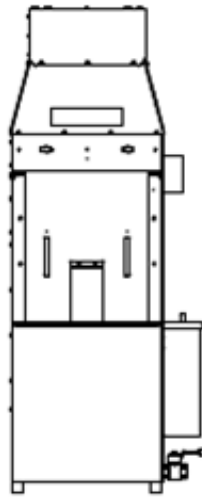
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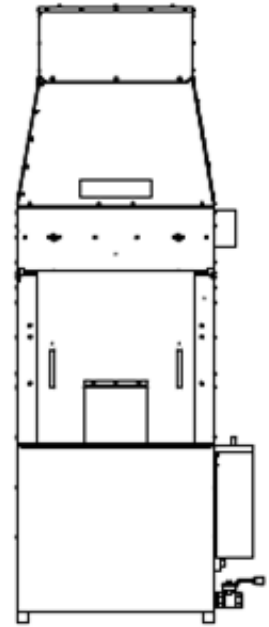
Schematic Scale Drawings:



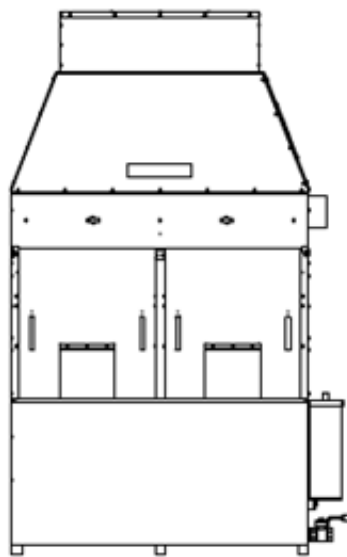
W60



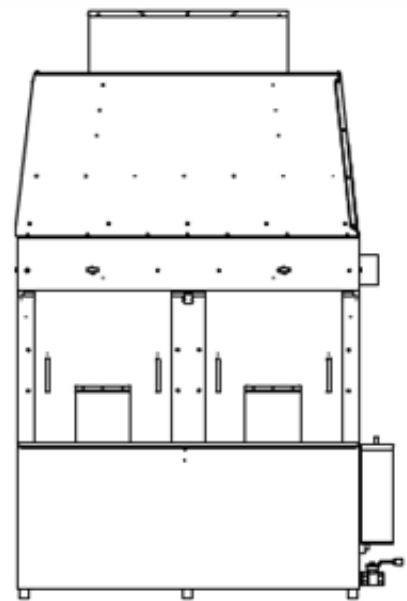
W80



W120



W185



W220

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