







NonFlam Series

Self-Induced Spray

Wet Dust Collector Range



-  Ideally suited to extract highly explosive metal dusts
-  Designed to handle the heavy loading of larger dust particles
-  Can be sited inside or outside
-  Built-in silencer

Trusted by
global brands
& market leaders
since 1978

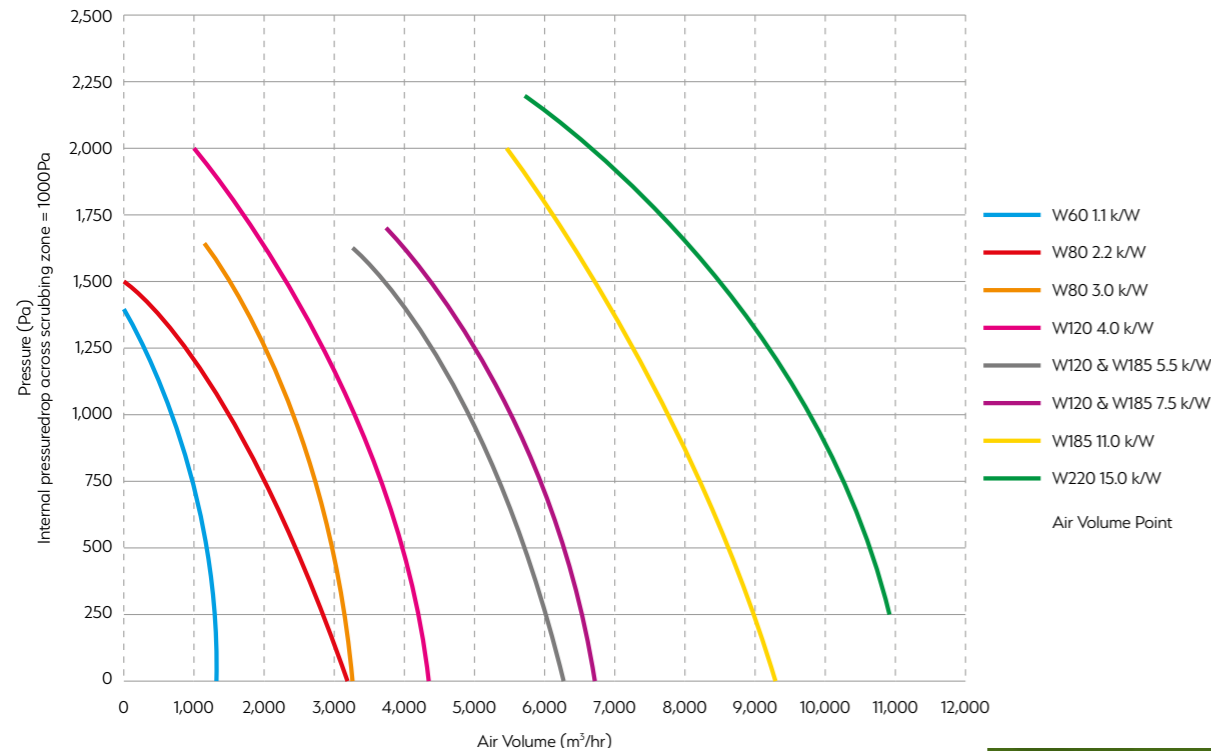
Features

- Volumes ranging from 720 – 10,000 m³/hr
- Mild steel painted, 304L & 316L stainless steel options
- Self-induced wet scrubbing always provides the full design air volume extraction rates (continuous extraction)
- Fan set built-in with anti-spark feature and silencer
- Weather protection option for outside locations
- Complies with health and safety guide HSG258

Advantages

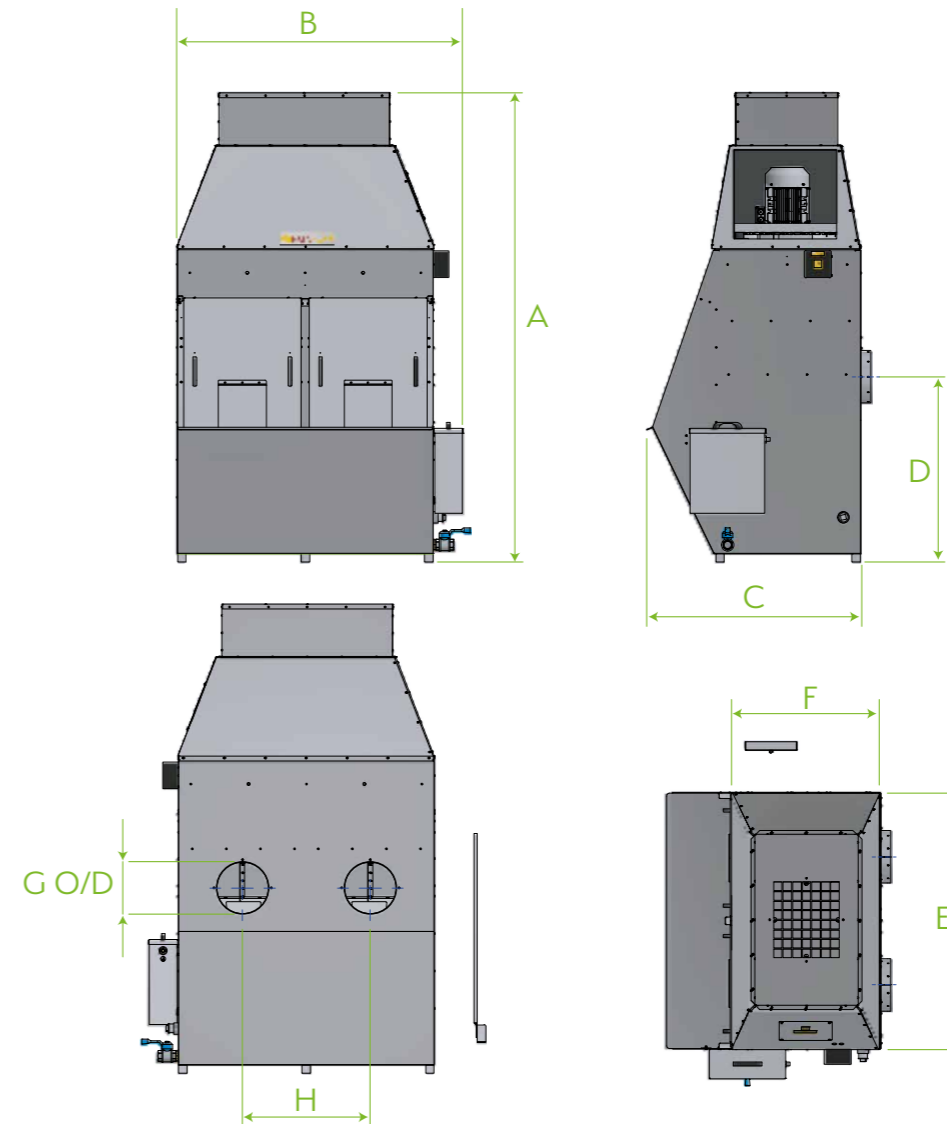
- High efficiency collection
- Suitable for hazardous applications
- Simple eliminator removal for cleaning
- Easily removable front door for easy access to eliminators, inducer and sludge removal
- Suitable for a wide range of difficult and sticky dusts
- Can handle sparks without the fire risk associated with membrane filters
- Can also handle titanium, aluminium or magnesium with optional control

NonFlam Performance Curves



Technical Specification

Model	Motor Size	Nominal Performance	Water Capacity
W60	1.1kW	1000m ³ /hr up to 700Pa external	220ltrs
W80	2.2kW 3.0kW	2000m ³ /hr up to 750Pa external 2500m ³ /hr up to 1000Pa external	280ltrs
W120	4.0kW 5.5kW 7.5kW	3250m ³ /hr up to 1000Pa external 4000m ³ /hr up to 1375Pa external 4500m ³ /hr up to 1400Pa external	480ltrs
W185	5.5kW 7.5kW 11.0kW	5000m ³ /hr up to 950Pa external 5000m ³ /hr up to 1250Pa external 7000m ³ /hr up to 1300Pa external	880ltrs
W220	15kW	9000m ³ /hr up to 1300Pa external	960ltrs



Model	NonFlam Data									Weight	
	A	B	C	D	E	F	G O/D	H	No Of Inlets/ Doors	Mild Steel	Stainless Steel
W60	1838mm	743mm	949mm	796mm	570mm	570mm	156mm	N/A	1	165kg	168kg
W80	2140mm	838mm	1032mm	894mm	670mm	667mm	210mm	N/A	1	232kg	240kg
W120	2720mm	1042mm	1036mm	1088mm	870mm	866mm	314mm	N/A	1	345kg	355kg
W185	2753mm	1676mm	1315mm	1088mm	1506mm	866mm	308mm	750mm	2	585kg	570kg
W220	2978mm	1910mm	1324mm	1088mm	1714mm	880mm	308mm	864mm	2	700kg	720kg

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Air Care Group

Material

Mild Steel
Stainless Steel 304L
Stainless Steel 316L

Finish

Mild Steel - Powder Coated RAL7043
Stainless Steel 304L / 316L - Natural, Passivated

Options

Magnesium Control Box
Heater
Biocide & Corrosion Inhibitor
Sludge Bin

Additional Information

Inlet Water Connection Detail: Mains Supply
Connection: 1/2" BSP
Drain Valve Connection Detail - Drain Valve
Size: 1/2" BSP

Filtermist manufactures dust control equipment that utilises either media-based filtration or liquid separation under the Dustcheck brand – one of very few UK manufacturers that can offer both solutions. This means we are not restricted by a limited product range and are able to specify the optimal solution for any application.

A wet filter unit, sometimes known as a wet scrubber, typically separates solid particulate from the air stream by passing it through an atomized liquid whereby particles get encapsulated by droplets and then submerged into a tank where sedimentation occurs.

As the method of separation is provided by a liquid which is recovered and re-used within the unit, there is no requirement for replaceable filter elements such as those in a dry unit.

Wet collectors are more suited to particles with heavier mass - they function by generating very fine droplets or aerosols in the 'spray generation zone'. These droplets will impinge on, and encapsulate, dust particles of similar momentum.

Available in the UK exclusively through:

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Dustcheck provides effective solutions for all dust control and containment requirements



Clean your air



Protect your people



Extend your equipment life



Lower energy consumption



Protect against explosion