

## Climavent LW22P Wet Collector



Stock No	<a href="#">EF2290</a>
Manufacturer	<a href="#">Climavent</a>
Model	LW22P
Serial	PDI3832
Condition	From a working environment, Excellent Condition, Current Model
Approx Duty CFM / M <sup>3</sup> /Hr	2500 // 4250
Filter Area ft <sup>2</sup> / m <sup>2</sup>	Wet Curtain Dust Control
Other Info	Rust free design
Location	Our Central Warehouse, Aldridge, UK
Weight (kgs)	350
External Dimensions (WxDxH mm)	1100 x 1500 x 2750 on stand

### Description

Climavent LW22P wet collector is designed to cope with the heavy burden of flammable dust from grinding, fettling, finishing, polishing and trimming applications. Efficient and effective at disposing obnoxious fumes within the workplace.

A self contained wet dust scrubber that generates a self induced solid water curtain that entraps and washes the dirty air removing any contaminates as it passes through.



## Applications

Typical applications include any dust laden air-stream that may carry sparks such as from grinding and fettling operations and where the type of dusts may be governed under the ATEX regulations whereby explosive dust are generated within such operations or processes as shot blasting and machining of aluminium, magnesium or any other white metal components.

## Dust Collection Process

Wet Collectors are able to draw the dust laden air through a tank of water ensuring heavy dust particles are thrown directly into the water and settle as sludge in the base of the unit for subsequent removal. Air and light dust are drawn over the surface of the water and scrubbing assembly turn the air and entrained water, wetting even the finest of dust particles. A series of baffles removes the wetted dust and clean air is discharged from the top of the unit back into the works atmosphere.

## Specification

This model of wet dust collectors are renowned for their robustness, as unlike many other units, there are no moving parts filters or sprays to contend with. This allows them to maintain their original suction rates, even under the most arduous of conditions.

As seen in the onside photos, more than one LW22P wet collector can be arranged in parallel which provides filtration for larger centralised systems.

Climavent's LW22P unit has a non corrosive GRP body with stainless steel internal scrubbing components and if serviced on a regular basis, will provide many years of efficient extraction. This eradicates the common problem associated with wet dust collectors – the metal enclosure and internal components can often start to corrode after a period of time.

Including in the design are a self contained silencer, water make up box, 4kW fan and fan starter, duct Inlet of Ø300mm positioned at the side and having an approx. service duty of 2500cfm.

**Photographs taken prior refurbishment. Our refurbishment service is not available on all machines.**