

# STEALTH<sup>®</sup><sub>x1</sub>

## X1 Series Mist Collector

The Stealth X1 Mist Collector is a fully modular, easily customizable to handle a wide range of your air processing applications. From Fine Oil Mist to Water Soluble Coolant, Parts Washers to Process Smoke, the Filtra-Systems Stealth has many ways to optimize any of your air handling requirements.

Rated for up to 1,800 cfm, single machine or cell based up to (4) machines.



### FEATURES AND BENEFITS

- Wide selection of filtration media options solves all your air filtration requirement.
- Exceeds OSHA clean air standard of (5mg/m<sup>3</sup>). In most cases you'll get better than (0.5mg/m<sup>3</sup>).
- Stand alone controls options available.
- Custom designed leak proof ductwork assemblies.
- Easy to access filter compartments for quick and easy filter changes, reducing your downtime.
- Cleaner work environment for all your employees.
- An optional VFD for blower motor control lowers your energy costs while maximizing the effectiveness.
- Optional silencers available to reduce sound levels below 77dBA.
- Air purity levels allow for internal air discharge in plant.
- Sump pump options available.
- And much more...

### APPLICATIONS

**Machining, Drilling, Milling, Grinding, Turning, Broaching, Honing, and more!** Engineered to easily control a wide range of aerosols from FINE OIL to WATER SOLUBLE MISTS, PARTS WASHERS to PROCESS DUST and SMOKE.

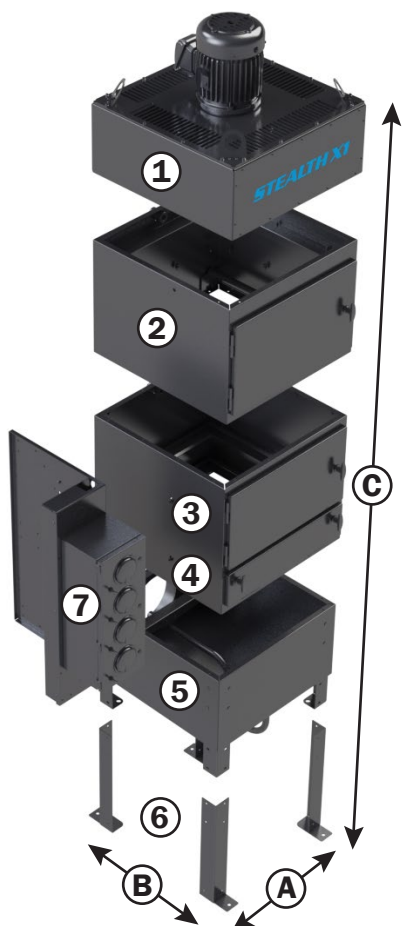


#### Do You Want Better Filtration?

Request Your Free Consultation & Quote Today

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## MODERN MODULAR DESIGN

### 1) Blower Box

Utilizes high efficiency blowers to deliver airflow with minimum energy.

### 2) Final Filter Stage

Usually a long lasting HEPA filter, but can be tailored to meet your existing specifications.

### 3) Primary Filter Stage

Captures the majority of mist from the application up to efficiencies of 95% while preserving the lifespan of the final filters.

### 4) Mitigation Filter Stage

These Filters stops large particulate or high contaminate airflows, reducing the chance of premature plugging of your filter elements.

### 5) Plenum

The plenum slows down airflow, allowing maximum time for mist to be filtered through the media.

### 6) Customizable Legs

The X1 can be anchored to any surface. Standard 4" legs can be expanded with optional stilts.

### 7) Control Packages

The X1 offers four levels of control package options. Shown here, XB1 control package.

Airflow (CFM)	Dimensions (In.)			Inlet Dia. (in.)	Blower (hp.)	Weight (lbs.)	Filter Stages
	A	B	C				
Water: 0 - 1,800	27.5	27.5	105	10 - 14	1.5 - 7.5	600	3
Oil: 0 - 1,200	27.5	27.5	105	10 - 14	1.5 - 7.5	600	3

Standard configuration, single filter housing with 3 stages of filtration.

## FILTRATION PROCESS

### MITIGATION STAGE

#### Liquid and Solid Pre-Separation

Proprietary multi-layer construction.  
Low pressure drop for minimum energy use.  
Maximum primary filter stage life.  
Suitable for temps up to 350° F  
Washable.  
Recommended for applications with high loads and fine solids.

### PRIMARY STAGE

#### Advanced Fiber bed Technology Filters

Can achieve HEPA level efficiencies levels with maximum liquid reclamation.  
Long-life single use filters.  
Temps up to 190° F.  
Low pressure drop for minimum energy use.  
Suitable for all mist and MQL applications.

### FINAL STAGE

#### High Efficiency Final Filter

Low pressure drop for minimum energy use.  
Long-life single use.  
Low pressure drop for maximum energy efficiency.  
Recommended for in-plant air recycling.  
Multiple filter efficiencies available:  
95%, 99.75%, 99.97% and others.