

A photograph of a white, industrial-grade oil mist filtration system. The unit is rectangular with a slightly angled top. It features several circular ports on the top surface, some of which are covered with caps. The front panel has a vertical seam on the left side, suggesting a door or access panel. The overall appearance is clean and professional.

**MANN+  
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Tri-Mist 1400  
Oil mist filtration  
system

Tri-Mist  
1400

NEW

# Tri-Mist 1400

## Oil mist filtration system

Overview	Item	Units	Tri-Mist 1400
	Application		Metalworking fluid and oil mist
	Capacity (nominal)	m <sup>3</sup> /h	85-2380
	Efficiency ASHRAE 52.2		Up to 99%
<b>Connections</b>	ESP power supply		
	Electrical grade		115V, 600W, 5.75A
	Electrical grade		230V, 600W, 3A
<b>Filters</b>	Filter/level		1
	Primary filter		4" mechanical impact smoke collector
	Secondary filter		double ESP/surface area 19.6m <sup>2</sup>
	Tertiary filter		double ESP/surface area 19.6m <sup>2</sup>
	Four-stage filter		double ESP/surface area 19.6m <sup>2</sup>
	Five-stage filter		2" thick impact smoke collector
<b>Motor</b>	<b>Type</b>		<b>Electrically commutated</b>
	Quantity		1
	AC power		115-230V
	Power supply	kW	0.6
	Maximum current	A	3, 5.75
	Environmental protection		IP54
<b>Physical properties</b>	Width	mm	660
	Height	mm	813
	Depth	mm	660
	Installation weight	kg	95
	Noise level	dB(A)	<69
	Surface		Powder coating inside and outside
<b>Optional features</b>	Ventilation fan		Optional
	Machine bracket		Optional
	Ceiling hardware		Optional
	Base		Optional

## Power connection

The Tri-Mist 1400 is equipped with a 10-foot power cord. The 115 / 120 volt model includes a standard 15 amp rated plug. The 208-230 volt model is shipped with a 10-foot power cord with a 615-PA 2 pole plug. Please note that the Tri-Mist 1400 is not dual voltage.

## Starting up

- The Tri-Mist 1400 is equipped with a variable speed controller. Run the Tri-Mist 1400 on the lowest speed that will provide negative pressure in the machine tool enclosure. The indicator lights should be on when the blower is running.
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- The Tri-Mist 1400 is equipped with three test buttons to verify that the electronic filtration system is energized. Push each test button and listen for an arching sound. This indicates that the filtration system is energized.

## Dimensions and weight

Units: mm

Weight
95kg



