

Tri-Mer's[®] 3-Stage O/M 1 Collector

- ***Captures Oil Mists***
- ***Cleans the Air***
- ***Reduces Housekeeping and Regulatory Burdens***

Hobbing? Grinding? Cold heading? (All of the above – and more?)

Tri-Mer's O/M 1 collects mists and fogs at their sources and directs them to an advanced 3-stage filter for disposal or recovery.

Stage 1 substantially reduces mist loading to the final stage. This stage uses an advanced 13-layer mesh filter media that's proprietary to Tri-Mer.

Operation is at 4" to 5 1/2" of pressure across the unit; removal performance is 99%+ at 3 microns.

Stage 2 is the coalescing stage, where smaller droplets are "grown". 16-layer filter media achieves 99%+ efficiency at 2 microns.

Stage 3 uses 6 unique filter layers for final mist elimination.

The O/M 1 was engineered specifically for high-efficiency advanced oil mist elimination in metalworking environments. It is compatible with mineral oils, soluble oils and synthetics, and will accommodate multiple mist sources.



Tri-Mer® Oil Mist Collector

Other Design and Performance Features of the Tri-Mer O/M 1 System include:

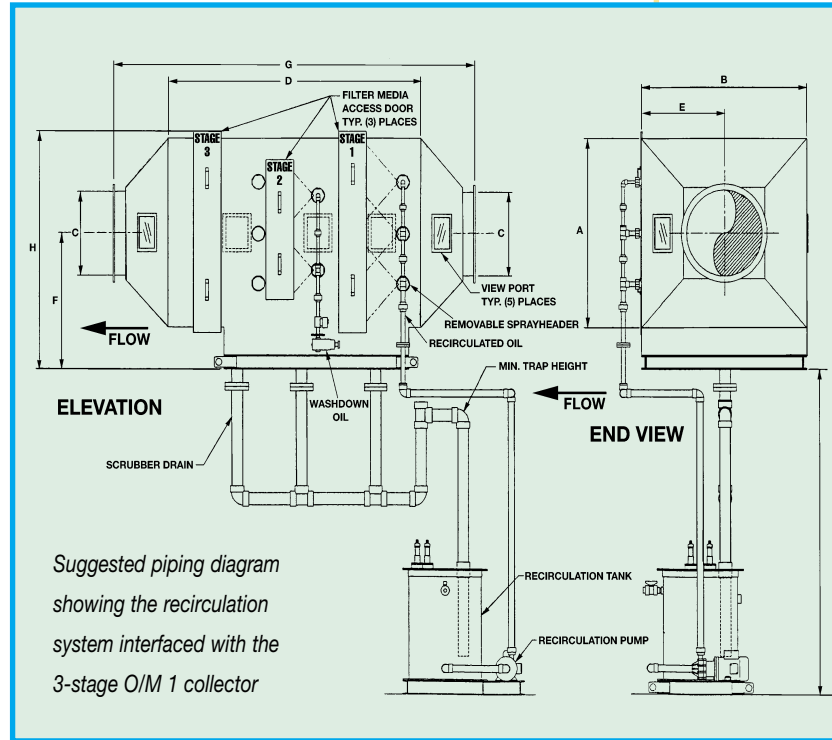
- a low pressure design that minimizes energy consumption.
- unique, long-lasting filter cartridges which are easily removed, cleaned and restored to service.
- gauges at the first and second stages to monitor static pressures across the filter pads. Automatic wash-down cycle can then be activated; wash-down can also be initiated manually.
- out-performs centrifugal collectors, indexing fabric filters, electrostatic precipitators.
- all-steel construction; PVC blower and ducting available.
- easy to install. Skid-mounted package includes duct connections, controls interfacing, fan, recirculation, pump, piping.

O/M 1 has a documented track record for uptime performance, and requires very little maintenance. When maintenance is needed, operation can continue without interruption.

Tri-Mer's O/M 1 may be one of the most beneficial things you can do to improve both "bottom line" profitability – and the health and comfort of your workers. Why? Because the link between exposure to coolant mists and disease in workers exposed to them is now well-documented. By capturing these mists, you improve worker health and productivity while you increase workplace safety, and reduce the risk of fire. Also, the Tri-Mer O/M 1 operates at low noise levels – typically under 80 dBA.

Tri-Mer's O/M 1 takes a big step toward improving overall indoor air quality, and reducing the frequency and costs of housekeeping. Finally, by exhausting very clean air back into the plant, this system will substantially reduce the need for make-up air, and keep your heating and cooling costs low.

Tri-Mer's O/M 1 is available in ratings from 500 to 50,000 cfm (standard sizes).



OIL MIST COLLECTOR SPECIFICATIONS

MAX CFM	MODEL NUMBER	A	B	C	GPM STAGE 1	GPM STAGE 2	D	E	F	G	H
1200	OM-12	18"	18"	8"	4	2.5	66 1/4"	9"	20"	82 1/4"	31"
2000	OM-20	24"	24"	10"	6	4	69 1/4"	12"	23"	91 1/4"	37"
3200	OM-32	30"	30"	12"	9.5	6	66 1/4"	15"	26"	90 1/4"	43"
4500	OM-45	36"	36"	14"	14	9	72 1/4"	18"	29"	100 1/4"	49"
6200	OM-62	42"	42"	18"	19	12.5	72 1/4"	21"	32"	102 1/4"	55"
8000	OM-80	48"	48"	20"	24	16	77 1/4"	24"	35"	111 1/4"	61"
10000	OM-100	54"	54"	24"	30	20	82 1/4"	27"	38"	118 1/4"	67"
12500	OM-125	60"	60"	26"	38	25	75 1/4"	30"	41"	115 1/4"	73"
15000	OM-150	66"	66"	28"	45	31	78 1/4"	33"	44"	122 1/4"	79"
18000	OM-180	72"	72"	30"	54	36	82 3/4"	36"	47"	130 3/4"	85"
21000	OM-210	84"	72"	34"	63	42	87 1/4"	36"	57"	143 1/4"	101"
24000	OM-240	96"	72"	36"	72	48	99 1/4"	36"	63"	165 1/4"	113"
26000	OM-260	96"	78"	38"	78	52	90 1/4"	39"	63"	154 1/4"	113"
28000	OM-280	96"	84"	40"	84	56	93 1/4"	42"	63"	153 1/4"	113"
30000	OM-300	96"	90"	42"	90	60	96 1/4"	45"	63"	156 1/4"	113"
32000	OM-320	96"	96"	44"	96	64	96 1/4"	48"	63"	154 1/4"	113"
36000	OM-360	108"	96"	50"	108	72	108 1/4"	48"	69"	168 1/4"	125"
40000	OM-400	108"	108"	52"	122	81	108 1/4"	54"	69"	168 1/4"	125"
45000	OM-450	108"	120"	54"	135	90	108 1/4"	60"	69"	168 1/4"	125"
50000	OM-500	108"	132"	60"	150	99	120"	66"	69"	180"	125"



Quality Design/Build Services Since 1965

1400 Monroe St. • P.O. Box 730 • Owosso, MI 48867

Phone (989) 723-7838 • FAX (989) 723-7844

www.tri-mer.com • E-mail salesdpt@tri-mer.com