

Oil Mist Filter

AGG3623 & 24

This filter is very efficient at filtering large and medium-sized droplets of oil mist. However, in common with all filters fitted to mechanical oil pumps, this unit fails to filter extremely fine mist. Such mist is so fine that it will not visibly contaminate the laboratory, and many microscopists work happily with this system.

There are, however, some reports in the literature which discuss the health hazards of fine oil mist and we are aware that you may be concerned. If this is the case, we recommend:-

- 1. It is a good idea, where possible, to site a mechanical pump in a cool enclosed area. If you extend the length of vacuum piping to the pump, please check with the manufacturer since there is a limit to the pumping distance attainable. Moving your pump will make your immediate working environment quieter and cleaner. Retain the mist filter on the pump exhaust.*
- 2. You might consider taking steps to vent the mechanical pump to the outside atmosphere. It is essential to use sturdy piping which has an internal diameter at least as large as the exhaust outlet of the pump. The mist filter can then be fitted to the external end of the pipe. Ensure that you have drain points so that you can drain any condensed oil which may build up over the years.*

The exhaust line must never be obstructed.