

## Alcatel Pump Oil Mist Eliminator

When vacuum pumps are first turned on they usually emit a considerable quantity of oil vapors into the air. This oil mist not only contains oil but it also contains any contaminants that were in the oil within the pump. The oil mist eliminators trap this oil mist before it is expelled into the air, traps it within the filter and then returns the oil back to the pump.

The oil mist eliminator also becomes very useful if the vacuum pump is out-gassed by means of the gas ballast valve. Again the oil mist will be trapped and the oil returned to the pump. By preventing the oil mists from contaminating the laboratory air, the risk of head crashes on computer disc systems can be reduced. In addition they provide a healthier environment within the laboratory.

The oil mist eliminator contains a paper filter which traps the oil mist allowing it to condense and return to the oil pump. It also incorporates a safety valve to prevent pressure buildup in the pump when pumping vapors capable of clogging the cartridge. In some cases of very heavy use, it may be desirable to exhaust the pumped gases to a fume duct or charcoal filter. For such applications, the oil mist eliminator is fitted with a hose nipple to which an exhaust hose or charcoal filter could be attached.

Part no. 66827 incorporates a NW 25 flange (O.D. - 1.5") which enables this unit to be clamped onto the exhaust port on the newer model Alcatel Pump Models UM2005, UM2010, UM2015. This model comes with an offset elbow, the use of which is optional.



Alcatel Oil Mist Eliminator Kit 66827

Part No.	Description	Price
104200	Oil Mist Eliminator for Pascal Series Pumps	
68838	Paper Replacement Filter	

## BOC Edwards Pump Oil Mist Eliminator

Mist filters capture oil mist from the outlet of pumps, which would otherwise be ejected into the atmosphere. This may happen when you use gas ballast or when you pump high gas throughputs. You can also return oil trapped in the mist filter back to the pump, although you must ensure that the process gases will not contaminate the pump or pump oil.

- Protection from oil mist emissions as required by COSHH and health and safety regulations.
- Use of optional oil return kits results in reduced oil level maintenance and savings in pump oil.
- If the oil element becomes blocked, and integral pressure relief valve opens.

**EMF Filters** - the EMF3, EMF10, and EMF20 mist filters are suitable for all small rotary vane pumps up to E2M18. They are very efficient at 99.999% DOP test and are also azide proof. The white bottom half of the body is semi-transparent, allowing the oil level to be monitored. The EMF filters have a unique odor element which neutralizes the smell of oil mist.

**MF30 Filter** - the MF30 is suitable for E2M28 pumps. it is very efficient at 99.98% DOP test. You can monitor the oil level through the sight-glass provided.

**Oil Return Kits** - these conserve the pump oil, by returning the oil trapped in the mist filter to the pump

► **Tech Tip** **NEW - Lower Cost Oil Mist Eliminator**

See the SIS Oil Mist Eliminator on Pg.F45

BOC Edwards Oil Mist Eliminator



Part No.	Description	Qty/pkg.	Price
<b>Oil Mist Eliminators</b>			
A462-20-000	Model EMF3 Oil Mist Eliminator for Pump Models E2M0.7 and E2M1.5		
A462-26-000	Model EMF10 Oil Mist Eliminator for Pump Models RV3, RV5, and RV8		
A462-29-000	Model EMF20 Oil Mist Eliminator for Pump Models RV12 and E1/E2M18		
A462-33-000	Model MF30 Oil Mist Eliminator for Pump Models E3M28 and E3M30		
<b>Replacement Oil Mist Filters</b>			
A223-04-197	EMF 3 Oil filter element	1	
A223-04-081	EMF3 Odor filter elements	5	
A223-04-198	EMF10 Oil filter element	1	
A223-04-079	EMF10 Odor filter elements	5	
A223-04-199	EMF20 Oil filter element	1	
A223-04-077	EMF20 Odor filter elements	5	
A223-04-057	EMF30 Oil filter element	1	
A504-19-000	Clean application oil return Kit for RV series & E2M1.5	1	
A504-20-000	Clean application oil return Kit for E1M18 to E2M28	1	
A505-23-000	Adjustable gas ballast oil return Kit (RV) Series		
A505-01-000	Gravity oil drain (RV) Series		