

Oil Mist Trap **TM/TMX Series**

When an oil rotary pump is started at atmospheric pressure, and operated during low vacuum operation, the pump oil is exhausted along with the exhaust gas that is pumped out.

The TM and TMX series oil mist traps help to ensure a clean working environment and protect indoor equipment from contamination that would otherwise be caused by this oil mist.



TM201

Features

- **Removes Oil Droplets (“smoke”)**

The amount of pump oil replenishment is greatly reduced due to drastic decrease of pump oil consumption by oil spread.

- **Excellent Noise Reduction Effect**

Noise is most effectively reduced when the pump starts from atmospheric pressure, during low vacuum pumping, and during gas ballast operations. Low frequency noise is particularly reduced.

- **Selectable Oil Recovery Method (optional)**

When the oil mist trap is used with trapped oil remaining in it, the filter lifespan is decreased and pump problems may occur.

Recovery method of the trapped oil is dependent on pump operating conditions, please consult ULVAC for advice about your particular pumping task and to help ensure suitable components for your application.

- **Easy Connection to Pump**

Since the connection ports of TM series units are made to match standard pump exhaust ports, attachment is easy. (An adapter is required when TM-2(F) is attached to VD601 and VD901)

- **The Internal Filter Element is a Replaceable Cartridge**

Replacing this filter cartridge is easy. (An adapter is required when changing filters of old TM-3,4, and 4S models to cartridge filters)

**1 Be sure to use an oil mist trap that is suitable for the pumping speed of the pump and the volume of the chamber which is being evacuated.*

**2 An adapter is required for attachment to PVD series, VD151 and VD201.*

**3 Oil recovery cannot be used with TMX-1 and TMX-2 models.*

**4 Conversion to a cartridge filter is not possible for TMX-1, TMX-2, and TM-2 (old model) units.*

Specifications

Model	TMX-1	TM201	TM401	TM-2 (Standard, F)* ³	TM-3 (Standard, F)	TM-4 (Standard, F)	TM-4S
Attachment flange * ¹	Special flange/ G1-1/2	VF40/G1-1/2	VF40/G1-1/2	VG50/G2, VG50 (PKS-016) VF40/G2, VG50 (VD601/VD901)	VG80/G3, VG80 (PKS-030) VF50/G3, VG80 (VS1501)	VG100/G4, VG100 (PKS-070) VF50/G4, VG100 (VS2401)	VG100/VG100 (PKS-070) VF50/VG100 (VS2401)
Applicable vacuum pumps	VD151 VD201 PVD-180 (B) * ² PVD-360 (B)	VD301 (for low loads) * ⁵ VD401 (for low loads)	VD301 (for high loads) * ⁶ VD401 (for high loads) VD601 (for low loads) VD901 (for low loads)	PKS-016 VD601 (for high loads) * ² VD901 (for high loads)	PKS-030 VS1501	PKS-070 VS2401	PKS-070 (for high loads) VS2401 (for high loads)
Weight	1.1kg	8.5kg	10kg	5.7 (6.2) kg * ⁴	10 (11.5) kg * ⁴	23.5 (25) kg * ⁴	59kg
Material	Main unit: Soft steel (SPCC) Filter: Glass wool						

*¹ Pump attachment flange: JIS B 2290 vacuum flange (excluding special flanges)/ screw diameter of exhaust side tube
 *² Adapter is required when attaching to PVD-180(B), PVD-360(B), VD151, VD201, VD601 and VD901

*³ Standard: Umbrella model, F: Flange model
 *⁴ Values in () indicate weight with flange attached.
 *⁵ Low load models should have a continuous suction pressure of 10kPa or less.
 *⁶ High load models should have a continuous suction pressure of 100kPa or less.

Dimensions

(unit: mm)

