

TEST CERTIFICATE

CLIENT: Euro-Roller Technics B.V .
 Hollandse Kade 26
 1391 JD Abcoude
 The Netherlands

CERTIFICATE NUMBER 7171 Issue 1

CUSTOMER ORDER NUMBER 2741

DATE OF RECEIPT 15 May 2009

TEST ITEM(S) Exhaust Fume Filter

MODEL/PART NUMBER(S) MF100/180 Filter Element

SERIAL NUMBER(S) Not Supplied

TEST SPECIFICATION / ISSUE Tested to customer specification
 Based on ISO 5011

DATE OF TEST 02 – 04 June 2009

TEST(S) APPLIED Filter Efficiency and Capacity Testing
 The filter was attached to the filter testing rig, initially the flow profile of the filter was measured by measuring the pressure drop across the filter at different flow rates up to 5 m³/min. ASHRAE 52/76 test dust was then injected into the system at a known rate. By measuring the mass of dust retained on the filter and the mass of dust retained on the absolute filter (down stream of the test filter), the overall efficiency was calculated.

Dust Grade: ASHRAE 52/76

Concentration: 0.2 g/m³

Efficiency: Measured at 30 mins, then at 60, 72.5, and 85 mbar.

RESULT(S) OF TEST:

Flow Rate (m ³ /min)	Pressure Drop Across Filter (mbar)	Pressure Drop Across Filter (mbar)	Total Dust Fed (g)	Filter Efficiency (%)
5.0	22.5	45.8	30.2	99.67
4.5	17.3	60.1	52.3	99.23
3.9	15.1	72.5	70.1	98.95
2.9	10.1	85.2	92.9	98.21
1.2	4.0			

The initial efficiency of the filter is 99.67%. The overall efficiency of the filter is 99.07 %. The capacity of the filter at 85.2 mbar pressure drop is 92.9 g of ASHRAE 52/76.



Approved by
 G J Spicer, MEng
 Quality Manager

Date: 24 June 2009