

Institut für Energie- und
Umwelttechnik e.V. (IUTA)

Air Quality & Filtration
Bliersheimer Straße 58 – 60
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Germany



- IUTA-CERTIFICATE -
Validation of compressed air filters
according to ISO 12500-1:2007
(Filters for compressed air – Test methods – Oil aerosols)

Customer: Airfilter Engineering (M) Sdn. Bhd. No. 20, Jalan Anggerik Mokara 31/47,
Kota Kemuning, 40460 Shah Alam, Selangor, Malaysia

Tested product: Grade U
IUTA test report: LrF 34/14
Tested cartridge: Threefold measurement of three cartridges model Grade U

Test parameters Inlet pressure Air flow Test inlet oil concentration Compressor oil viscosity	7 bar (e) [8 bar (a)] 50 Nm ³ /h = 100 % nominal flow rate 10 ± 2 mg/m ³ ISO VG 46			
Test results	Cartridge 1	Cartridge 2	Cartridge 3	Average
Dry pressure drop* (mbar)	68	69	69	68.6
Saturated pressure drop* (mbar)	203-205	202-203	200-202	202.5
Mean outlet oil concentration [mg/m³ (ANR)]**	0.026 ± 0.005	0.033 ± 0.029	0.027 ± 0.014	0.028 ± 0.019

Remark: The product was tested under the designation "Grade U"

* Pressure drop measured upstream and downstream the filter-housing model "BB141033"

** Mean outlet oil concentration of each of three cartridges is determined by averaging the results of a threefold measurement from the data shown in the test report on each cartridge (nine measurements in total) and finally the total average is shown.

Duisburg, 27th January 2015



Managing Director



Department Head