

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

Air Quality & Filtration
Bliersheimer Straße 58 – 60
47229 Duisburg
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 H

IUTA test report: UN2-150518-55969.00-032

Tested cartridge: Threefold measurement of three cartridges model Grade H

Test parameters Inlet pressure Air flow Test inlet oil concentration Compressor oil viscosity	8 bar (a) 50 m ³ /h (ANR) = 100 % nominal flow rate 9.6 mg/m ³ ISO VG 46			
Test results	Cartridge 1	Cartridge 2	Cartridge 3	Average
Dry pressure drop* (mbar)	31	30	31	30.67
Saturated pressure drop* (mbar)	110	102	92	101.33
Mean outlet oil concentration [mg/m³ (ANR)]**	0.009±0.008	0.01±0.001	0.01±0.001	0.0097±0.004

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

*Pressure drop measured upstream and downstream of 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 report of each cartridge (nine measurements in total) and finally the total average is shown.

Duisburg, 17th August 2015



Managing Director



Department Head