

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: KSI, Unit 5 Caley Close, Norwich, NR3 2BU, Great Britain
Tested product: 3 cartridges model "APE26SMA"
IUTA Report: UN2-210614-T5596900-094

Test parameters Inlet pressure Air flow Test inlet oil concentration Compressor oil viscosity	7 bar (e) 35 m ³ /h (ref. to 1 bar, 20 °C) = 100% nominal flow rate 10 mg/m ³ ISO VG 46 (Shell Corena S3 R46)			
Test results	Cartridge 1	Cartridge 2	Cartridge 3	Average
Dry pressure drop* [mbar]	35	35	35	35
Saturated pressure drop* [mbar]	103	107	100	103.3
Mean outlet oil concentration [mg/m³ (ref. to 1 bar, 20 °C)]**	0.002	0.002	0.002	0.002
Filtration efficiency [%] (The calculation is based on the data shown in the test report)				99.98

*Pressure drop measured up- and downstream of the filter housing. **Mean value of 3 analyses per cartridge (see report).

Duisburg, 13 December 2022



Managing Director



Head of Department

Vereinsregister VR 2872, Duisburg

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Zugelassene Prüfstelle im Sinne
TA Luft 5.4.8.10.3, 5.4.8.11.3
Zertifizierter Entsorgungsbetrieb