

# 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 in the style of ISO 12500-1:2007<sup>1)</sup>

(Filters for compressed air – Test methods – Oil aerosols)

<sup>1)</sup>Nominal flow unknown.

**Customer:** ultra.air gmbh, Im Hülsenfeld 13, 40721 Hilden, Germany

**Tested product:** 3 cartridges model "FF 04710 12122022"

**Manufacturer:** Ultrafilter GmbH, Hilden, Germany

**IUTA test report:** UN2-150930-T55969.00-068b revision 1

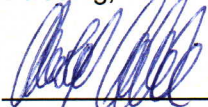
<b>Test parameters</b> Inlet pressure Air flow Test inlet oil concentration Compressor oil viscosity	8 bar (a) 50 Nm <sup>3</sup> /h 10mg/m <sup>3</sup> ± 10% ISO VG 46 ( Corena D 46)			
<b>Test results</b>	Cartridge 1	Cartridge 2	Cartridge 3	<b>Average</b>
<b>Dry pressure drop* (mbar]</b>	21	22	21	<b>21.3</b>
<b>Saturated pressure drop* (mbar]</b>	184.7	212	197.2	<b>197.97</b>
<b>Mean outlet oil concentration [mg/m<sup>3</sup> (ANR)]**</b>	0.006	0.004	0.001	<b>0.0037</b>
<b>Filtration efficiency</b> (The calculation is based on the data shown in the test report)				<b>99.96 %</b>

\*Pressure drop measured upstream and downstream of the filter-housing .

\*\*Mean value of 3 analyses per cartridge (see test report UN2-150930-T55969.00-068b).

The cartridges were mounted in filter housing model "AG 0009"

Duisburg, 29 January 2016

  
\_\_\_\_\_  
Head of Department

  
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Managing Director

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Zertifizierter Entsorgungsfachbetrieb  
Zugelassene Prüfstelle im Sinne  
TA Luft 5.4.8.10.3, 5.4.8.11.3