

# 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  
Section 31, Kota Kemuning, 40460 Shah Alam,, Malaysia

**Tested product:** 3 cartridges model “Grade H”

**IUTA Report:** UN2-191126-T5596900-120c

<b>Test parameters</b> Inlet pressure Air flow Test inlet oil concentration Compressor oil viscosity	7 bar (e) 80 Sm <sup>3</sup> /h = 100% nominal flow rate 10 mg/m <sup>3</sup> ISO VG 46			
<b>Test results</b>	Cartridge 1	Cartridge 2	Cartridge 3	<b>Average</b>
<b>Dry pressure drop* [mbar]</b>	51	52	51	<b>51</b>
<b>Saturated pressure drop* [mbar]</b>	127	124	126	<b>126</b>
<b>Mean outlet oil concentration [mg/m<sup>3</sup>]**</b>	0,006±0,002	0,008±0,001	0,006±0,004	<b>0,007±0,004</b>
<b>Filtration efficiency [%]</b> (The calculation is based on the data shown in the test report)				<b>99,93%</b>

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

Remark: The product was tested in the filter housing assembled of the top-part no. “TF190926” and the sub-section no. “BF190790”.

Duisburg, 01 September 2020

  
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Managing Director

  
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Head of Department

Vereinsregister VR 2872, Duisburg

Zertifizierter Entsorgungsbetrieb

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Steuernummer 134/5743/0340