



- IUTA-CERTIFICATE -

Validation of compressed air filters in the style of ISO 12500-1:2007

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

Customer: Contec GmbH, Heideweg 24, 53604 Bad Honnef, Germany

Tested product: 3 filter cartridges type „COMS-1500-S50“

IUTA test report: UN2-140811–55959.00-006

Test parameters				
Inlet pressure	1 bar (a)			
Air flow	20 m ³ /h (ANR) = 100 % nominal flow rate			
Test inlet oil concentration	108 ± 2 mg/m ³			
Compressor oil viscosity	ISO VG 46			
Test results	Cartridge 1	Cartridge 2	Cartridge 3	Average
Dry pressure drop* (mbar)	25	26	26.5	25.8
Saturated pressure drop* (mbar)	74.2	62.8	70.25	69.2
Mean outlet oil concentration [mg/m³ (ANR)]**	0.046	0.017	0.018	0.027
Filtration efficiency (The calculation is based on the data shown in the test report)				99.98 %

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

** Mean value of 3 analyses per cartridge (see test report).

- The filter cartridges were tested in the filter housing type “Contec AA433-763”
- During the test of the filter no particles between 0.2 µm and 9 µm (aerosol spectrometer: WELAS 2100) could be found in the clean gas.

Duisburg, 29th October 2014

Managing Director

Department Head