



Lloyd's Register
Energy

Lloyd's Register EMEA

Validation Certificate

This certificate is issued to:

APPLICANT: Parker Hannifin Manufacturing Ltd
Dukesway
Team Valley Trading Estate
Gateshead
Tyne & Wear
NE11 0PZ
United Kingdom

Product Description: GL Plus Die-cast Filter Series

Filtration Grades: ZLP General Purpose Coalescing Filters

Models: GL2 - GL19 with Element Grade ZLP

Standards: ISO12500-1:2007 Filters for Compressed Air - Test Methods - Part 1 Oil Aerosols
ISO8573-1:2010 Contaminant and Purity Classes
ISO8573-2:2007 Test Methods for Oil Aerosol Content
ISO8573-4:2001 Test Methods for Solid Particle Content

The filter models described above and in Table 1 have been tested at ISO reference conditions, in accordance with the requirements of ISO12500-1:2007. Die-cast filter models were challenged with 40mg/m³ of oil aerosol.

The measured residual oil content downstream of the test filters averaged <0.5mg/m³, resulting in downstream air purity equal to Class 3 for oil as defined by ISO8573-1:2010.

The initial dry differential pressure measured across each filter tested did not exceed 70mbar (1psi) and the initial saturated differential pressure measured across each filter tested did not exceed 125mbar (1.8psi).

The filter models described above have been tested in accordance with the requirements of ISO8573-4:2001.

The filter removed particles down to 1 micron resulting in downstream air purity equal to Class 2 for solid particulate as defined by ISO8573-1:2010.

Details of the equipment, methodology and results are contained within the Technical Documentation File COV1527423/TDF.

Certificate No: COV1527423/13

Date of Issue: 30th October 2015

Certificate Issue 2

DG Hardacre on behalf of Lloyd's Register EMEA

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