Type Approval Certificate



This is to certify that the undernoted product(s) has/have been tested in accordance with the relevant requirements of the GL Type Approval System.

Certificate No.

36 661 - 85 HH

Company

Willibrord Lösing Filtertechnik e.K.

Essener Str. 108

45529 Hattingen, GERMANY

Product Description

SEPAR FILTER

Type

KWA-20-M, KWA-50-M, KWA-90-M, KWA-100-M

SWK-2000 / 5M(UM, 5-50M(UM), 10M(UM), 18M(UM), 40M(UM), 130M(UM)

Environmental Category

None

Technical Data /

TECHNICAL DATA

Range of Application

MATERIALS

Housing:

GK-ALSi12Cu GK-ALSi12Cu

Bowl: Sealings:

NBR / HNBR

Pipe connection:

GL type approved pipe unions or flanges

Design pressure: Service temperature: Tmax: 90 °C

4 bar

Flowrate type KWA:

20-100 I/min

Flowrate type SWK:

5-130 I/min

Test Standard

VI-7-8 Guidelines for the Performance of Type Approvals: 2008

Documents

MPA Test certificate No.: 120371993; 130001638

Drawings: KWA-20-M, KWA-50-M, KWA-90-M, KWA-100-M, 062988, 062433,

062989, 062990, 062994, 062435, 062408, 062434, 062412, 062416, 062418, 062436, Material lists, Data sheets, Mounting and service instr

Remarks

For ships with class notation AUT the Rules I-1-4, Automation are to be observed.

2018-12-14 Valid until

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File No.

II.G.03

Hamburg, 2014-01-06

Type Approval Symbol

Germanischer Lloyd

Christian Kaemmer

This certificate is issued on the basis of "Guidelines for the Performance of Type Approvals Part 1, Procedure".

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RANGE OF APPLICATION

The filter series of type SEPAR is type approved for the use in fuel systems installed directly on diesel engines. Medium: Marine distillate fuels acc. to ISO 8217:2005 or equivalent.

Valid until 2018-12-14

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File No.

II.G.03

Hamburg, 2014-01-06

Type Approval Symbol



Germanischer Lloyd

Olaf Drews

Christian Kaemmer

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