

Type Approval Certificate



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

Certificate No. 12 863 - 11 HH
Company F.N.C. Fabbrica
Nazionale Cilindri S.p.A.
Via Maestri del Lavoro
21040 Cislago, ITALY
Product Description BI-DIRECTIONAL DETONATION-PROOF FLAME ARRESTER

Type Serie 4700, Type ADIIB3/DN/1.5/60, Size (mm) 50, 80, 100
Serie 4700, Type ADSIIB3/DN/1.5/60, Size (mm) 50, 80, 100

Environmental Category None

Technical Data / Range of Application In-line detonation flame arresters with one flame arrester unit consisting of four filter discs to prevent flame transmission. The filter discs consist of a crimped and of a flat stainless steel ribbon. The superimposed ribbons with a width of 15 mm and a thickness of 0.15 mm are rolled on top of each other spirally in compact layers. In this manner triangular channels are formed with a height of 0.5 mm. The filter discs are fixed in an enclosing cage and are kept separately at a definite distance of 1.2 mm by wire spacers.

List of drawings see page 2.

RANGE OF APPLICATION:

The above flame arresters may be used in cargo tank vent systems on inland navigation tankers carrying flammable products of Explosion Group IIB3 (MESG \geq 0.65 mm)

Test Standard EN 12874:2001 Flame Arresters

Documents Test Certificate IBExU04ATEX2238 X
Test Report IB-04-3-174/5 :

Remarks Installation according to current GL- or ADN Rules as applicable

Valid until 2016-01-13

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File No. II.F.03

Hamburg, 2011-01-14

Type Approval Symbol



Germanischer Lloyd

Hanspeter Raschle
Hanspeter Raschle
Georg-Alexander Martin
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This certificate is issued on the basis of "Guidelines for the Performance of Type Approvals Part 1, Procedure".