



Type Approval Certificate

Germanischer Lloyd

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. 79 900 - 95 HH

Company HACI AYZAZ Endüstriyel Mamuller Sanayi ve Ticaret A.S.
Atatürk Sanayi Bölgesi
Mustafa İnan cad. No: 36
34555 Hadimköy, İstanbul, Turkey

Product Description MAGNETIC LEVEL INDICATORS

Type MG-33
MG-33S (SMALL)

Environmental Category None

Technical Data /
Range of Application TECHNICAL DATA
Tube / Float: AISI 304 (1.4301) , 316 (1.4401) / AISI 316 (1.4401)
Flanges: S235 JR (1.0037), AISI 304 (1.4301), AISI 316 (1.4401)
Indicating Scale: AlMgSi (3.3206)
Size of tube / flanges: DN 50 / DN 20 (MG-33),
DN 25 / DN 15, DN 20 (MG-33S)
PN: 16 (MG-33) / 10 (MG-33S)
M.A.W.T.: 180[°C]
Pipe class: III

RANGE OF APPLICATION
The magnetic level gauge of type MG-33/MG-33S is type approved for the use on tanks arranged above the double bottom.
LIMITATIONS
Side mounting devices may not be used on passenger ships for tanks carrying flammable liquids. Combination of magnetic level gauge and level alarm sensors is not approved for high or low level alarms required by the Rules.

Test Standard Regulations for the Performance of Type Tests, Part 6-Test Requirements for Mechanical Components and Equipment : 1998.

Documents - Drawings 704.201.005.105,704.208.000.100 to 125, 604.040.111.360
- Test report No. 12 0421 2 95 of MPA NRW, Dortmund/Germany

Remarks See Limitations

Valid until 2010-07-13

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File No. II.B.06

Hamburg, 2005-09-16

Type Approval Symbol



Germanischer Lloyd

G. Hölzer

H. Markus

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