



MARINE DIVISION

Certificate number: 18759/B0 BV

File number: ACM 145/2524/01

Product code: 22211

*This certificate is not valid when presented without the full attached schedule composed of 7 sections*

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## TYPE APPROVAL CERTIFICATE

*This certificate is issued to*

**GOEPFERT AG Armaturenfabrik und Metallgiesserei**  
Weddingstedt - GERMANY

*for the type of product*

**EMERGENCY SHUT OFF VALVES, QUICK CLOSING VALVES**

QUICK CLOSING VALVES, Straight Type N° 26.01.01 and Angle Type N° 26.01.02

**Requirements:**

BUREAU VERITAS Rules for the Classification of Steel Ships

*This certificate is issued to attest that BUREAU VERITAS did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements mentioned above.*

**This certificate will expire on: 19 Dec 2016**

For BUREAU VERITAS,

At BV HAMBURG, on 19 Dec 2011,

Adama Diene



This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with BUREAU VERITAS. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. This certificate is issued within the scope of the General Conditions of BUREAU VERITAS Marine Division available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against BUREAU VERITAS for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

## THE SCHEDULE OF APPROVAL

### 1. PRODUCT DESCRIPTION

Quick Closing Valves, Straight Type N° 26.01.01 and Angle Type N° 26.01.02

#### 1.1 Design:

Hydraulic, pneumatic or hand/wire operated Quick Closing Valves with Release Cylinder.

#### 1.2 Technical data:

File Number	Size	Nominal Pressure [bar]	Maximum Working Temperature [°C]
ACM 145/2524/01	DN 15 to DN 125	16	150
	DN 150 - DN 200	10	

#### 1.3 Material specification:

Body/bonnet	GGG 40.3	G-CuSn5ZnPb	GS C25/GGG 40.3
Spindle	X20Cr13	X20Cr13	X20Cr13
Disc, seat	X20Cr13	G-CuSn5ZnPb	X20Cr13
O-ring	FKM	FKM	FKM

### 2. DOCUMENTS AND DRAWINGS

#### 2.1 Technical Documentation:

- Manufacturer catalogue
- Operating instruction - Edition 12.04

#### 2.2 Drawings:

Drawing Number	Designation	Size
26.01.01.04-10/A	Quick closing valve, straight type with release cylinder	DN 15 to DN 32
26.01.01.12-18/A	Quick closing valve, straight type with release cylinder	DN 40 to DN 80
26.01.01.22-29/A	Quick closing valve, straight type with release cylinder	DN 100-DN 200
26.01.02.04-10/A	Quick closing valve, angle type with release cylinder	DN 15 to DN 32
26.01.02.12-18/A	Quick closing valve, angle type with release cylinder	DN 40 to DN 80
26.01.02.22-29/A	Quick closing valve, angle type with release cylinder	DN 100-DN 200

### 3. TEST REPORTS

Vibration Test performed at Paconsult Laboratory in Hamburg / GERMANY on Quick Closing Valves DN15 and DN125. Test Report N° 573-05.

### 4. APPLICATION / LIMITATION

- 4.1 Quick Closing Valves used as emergency shut-off valves in flammable oil systems.
- 4.2 The valves belong to class II piping systems according to BUREAU VERITAS Rules Part C, Chapter 1, Sec 10.
- 4.3 The valves are to be installed according to manufacturer instructions and BUREAU VERITAS Rules requirements.

### 5. PRODUCTION SURVEY REQUIREMENTS

5.1 The valves are to be manufactured, examined and tested by the manufacturer in accordance with the approved type described in this certificate and in accordance with BUREAU VERITAS Rules stated on the front page of this certificate. Arrangements shall be made for a Society's Surveyor to attend the tests and examinations at manufacturer's works or to perform the relevant audits when an alternative survey scheme, BV Mode I, has been arranged, in order to issue the BUREAU VERITAS certificate for the units to be fitted on board ships classed with BUREAU VERITAS.

5.2 **GOEPFERT AG** has declared to BUREAU VERITAS that the products detailed in this certificate are manufactured at the production site stated on the front page of this certificate.

5.3 Material Certificate according BUREAU VERITAS Rules Part C, Ch 1, Sec 10, Table 38.

5.4 Each valve body is to be hydraulically pressure tested to 1.5 times the design pressure.

**6. MARKING OF PRODUCT**

Each Quick closing valve should be marked with at least:

- Manufacturer's name or logo
- Type designation
- Size
- Design Pressure
- Society's brand as relevant

**7. OTHERS**

7.1 This approval is given on the understanding that the Society reserves the right to require check tests to be carried out on the units at any time and that **GOEPFERT AG, Weddingstedt/GERMANY** will accept full responsibility for informing shipbuilders, shipowners or their sub-contractors of the proper methods of use and general maintenance of the units and of the conditions of this approval.

7.2 This Certificate supersedes the Type Approval Certificate N° 18759/A0 BV issued on 15/12/2006 by the Society.

\*\*\* END OF CERTIFICATE \*\*\*