



Marine & Offshore

Certificate number: 18759/C0 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

Requirements:

BUREAU VERITAS Rules for the Classification of Steel Ships

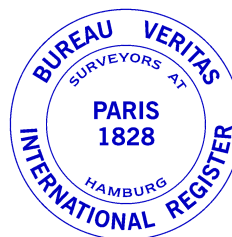
This certificate is issued to attest that Bureau Veritas Marine & Offshore did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements mentioned above.

This certificate will expire on: 27 Oct 2022

For Bureau Veritas Marine & Offshore,

At BV HAMBURG, on 27 Oct 2017,

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 Marine & Offshore. 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 & Offshore 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 Marine & Offshore 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.

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BV Mod. Ad.E 530 June 2017

This certificate consists of 3 page(s)

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION

Quick Closing Valves: Type 26.01.01, 26.01.02, 26.01.03, 26.01.04, 26.01.11 and 26.01.12

1.1 Design:

with pneumatic-hydraulic cylinder and wire operating device, with and without bellow, with and without thermo release, straight or angle types..

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 / CuSn10-C / G-CuSn5Zn5Pb5-C / GSC25
Spindle	X14CrMoS17
Disc, seat	X20Cr13 / X14CrMoS17 (1.4104) / X12Cr13 (1.4006) / X5CrNi18-10 (1.4301) / X8CrNiS18-9
O-ring	FPM
Flange connections	EN 1092 PN16 / ASME B16.5 Class 150 / 31S 10K, 16K

2. DOCUMENTS AND DRAWINGS

2.1 Technical Documentation:

- Technical Data sheets – Edition 09. 2015
- User Manual - Edition 03.2017

2.2 Drawings:

Drawing Number	Rev.	Designation	Pressure	Size
26.01.01.12-18_10	-	Quick closing valve, straight type with auto. thermo release	PN16	DN 40 to DN 80
26.01.01.04-10_10	-	Quick closing valve, straight type with auto. thermo release	PN16	DN 15 to DN 32
26.01.12	-	Quick closing valve with bellow, angle type with release cylinder	PN16	DN 15 to DN 125
26.01.11	-	Quick closing valve with bellow, straight type with release cylinder	PN16	DN 15 to DN 125
26.01.02.04-10	-	Quick closing valve, angle type with release cylinder	PN16	DN 15 to DN 32
26.01.02.12-18	-	Quick closing valve, angle type with release cylinder	PN16	DN 40 to DN 80
26.01.02.22-29	-	Quick closing valve, angle type with release cylinder	PN10/16	DN 100 to DN 200
26.01.01.04-10	-	Quick closing valve, straight type with release cylinder	PN16	DN 15 to DN 32
26.01.01.12-18	-	Quick closing valve, straight type with release cylinder	PN16	DN 40 to DN 80
26.01.01.22-29	-	Quick closing valve, straight type with release cylinder	PN10/16	DN 100 to DN 200
26.01.02.04-10_10	-	Quick closing valve, angle type with release cylinder	PN16	DN 15 to DN 32
26.01.02.12-18_10	-	Quick closing valve, angle type with auto. thermo release	PN16	DN 40-DN 80

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 material of the valves body, disc and sealing should be suitable for the intended services
- 4.4 The valves are to be installed according to manufacturer instructions and BUREAU VERITAS Rules requirements.
- 4.5 The approval does not include any operating gear for remote control of the valves.

5. PRODUCTION SURVEY REQUIREMENTS

- 5.1 The valves are to be supplied by the manufacturer in compliance with the type and the requirements described in this certificate.
- 5.2 This type of product is within the category IBV of BUREAU VERITAS Rule Note NR320.
- 5.3 BUREAU VERITAS product certificate is required.
- 5.4 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.
- 5.5 **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.
- 5.6 Each valve is to be hydraulically pressure tested to 1.5 times the design pressure under witnessing of the Surveyor.

6. MARKING OF PRODUCT

Each 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, ship owners 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/B0 BV issued on 19/12/2011 by the Society.

*** END OF CERTIFICATE ***