Certificate No: LR25386740TA
Issue Date: 18/01/2026
Expiry Date: 17/01/2031

Type Approval Certificate

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

Manufacturer	**Value Valves (Suzhou)Co.,Ltd**
Address	No. 2, WangShan Road, WangShan Industrial Park, Wuzhong Economic Development Zone, Suzhou City, 215104, China
Place of Production	Value Valves (Suzhou)Co.,Ltd No. 2, WangShan Road, WangShan Industrial Park, Wuzhong Economic Development Zone, Suzhou City, 215104, China
Type	Butterfly Valves
Description	Marine Butterfly Valves and Damper Valves for Gas Flue
Trade Name	VF-73/VF-91/VF-92/VF-93/VF-930AS/VF-265/VF-3
Application	Marine Piping Systems
Specified Standard	LR Rules and Regulations for the Classification of Ships, July 2025 Lloyd's Register Type Approval System Test Specification Number 2, October 2024, Chapter 8, Appendix 7 - Valves API 609 - 2021 ISO 5752 - 2021 JIS F 7480 - 1996 JB/T 8692 - 2013 MAN Test Specification for Standard and Acid Resistant Tier III Valve, Ident No. : 0743965-4

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Joel De Souza

Engineering Piping - Specialist to Lloyd's Register Marine and Offshore India LLP
A member of the Lloyd's Register group

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Type Approval Certificate

WIN GD iCER Valve Qualification (DAAD139643)

Ratings

Butterfly Valves
VF-73 Series

Nominal Diameters (mm):	DN40~DN800 (Wafer type)
Nominal Diameters (mm):	DN40~DN800 (Lug type)
Nominal Diameters (mm):	DN650~DN1000 (Flange type)
Maximum Working Pressure (MPa):	1.6
Working Temperature Range (˚C):	-20~+204
Material:	
Valve Body	A126-B
	A536 65-45-12
	A395 60-40-18
	A216 WCB
	A351 CF8
	A351 CF8M
	A351 CF3M
	A890 5A
Valve Disc	A536 65-45-12
	A395 60-40-18
	A351 CF8
	A351 CF8M
	B148 C95400
	A890 5A
	A890 2A
Valve Seat	NBR
	EPDM
	EPT
	White-EPT
	Viton
	CR
	Silicon
Valve Stem	A182 F6A
	A182 F304
	A182 F316

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	A182 F316L
	A564 630
<u>VF-91 Series</u>	
Nominal Diameters (mm):	DN50~DN600 (Wafer type)
Nominal Diameters (mm):	DN50~DN600 (Lug type)
Nominal Diameters (mm):	DN50~DN600 (Flange type)
Maximum Working Pressure (MPa):	2.5
Working Temperature Range (˚C):	-29~+210
Material:	
Valve Body	A216 WCB
	A351 CF8
	A351 CF8M
	A351 CF3M
	A890 5A
Valve Disc	A351 CF8
	A351 CF8M
	A351 CF3M
	A890 5A
Valve Seat	PTFE/RPTFE
Valve Stem	A182 F304
	A182 F316
	A182 F316L
	A564 630
	UNS S32750
<u>VF-92 Series</u>	
Nominal Diameters (mm):	DN50~DN600 (Wafer type)
Nominal Diameters (mm):	DN50~DN600 (Lug type)
Nominal Diameters (mm):	DN50~DN600 (Flange type)
Maximum Working Pressure (MPa):	2.5
Working Temperature Range (˚C):	-29~+210
Material:	
Valve Body	A216 WCB
	A351 CF8
	A351 CF8M

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	A351 CF3M
	A890 5A
Valve Disc	A351 CF8
	A351 CF8M
	A351 CF3M
	A890 5A
Valve Seat	PTFE/RPTFE
Valve Stem	A182 F304
	A182 F316
	A182 F316L
	A564 630
	A479 XM-19

VF-93 Series

Nominal Diameters (mm):	DN50~DN600 (Wafer type)
Nominal Diameters (mm):	DN50~DN600 (Lug type)
Nominal Diameters (mm):	DN50~DN600 (Flange type)
Maximum Working Pressure (MPa):	2.5
Working Temperature Range (˚C):	-29~+550
Material:	
Valve Body	A216 WCB
	A351 CF8
	A351 CF8M
	A351 CF3M
	A890 5A
Valve Disc	A351 CF8
	A351 CF8M
	A351 CF3M
	A890 5A
Valve Seat	Inconel 718
Valve Stem	A182 F304
	A182 F316
	A182 F316L
	A564 630

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VF-930AS Series	
Nominal Diameters (mm):	DN50~DN1200 (Wafer type)
Maximum Working Pressure (MPa):	0.35
Working Temperature Range (˚C):	-29~+550
Material:	
Valve Body	A351 CF8
	A351 CF8M
	A351 CF3M
Valve Disc	A351 CF8
	A351 CF8M
	A351 CF3M
Valve Seat	A240 Gr.316
	Inconel 718
Valve Stem	A182 F304
	A182 F316
	A182 F316L
	A564 630
	A479 XM-19

VF-265 Series (Gear operated only)	
Nominal Diameters (mm):	DN50~DN800
Maximum Working Pressure (MPa):	1.6
Working Temperature Range (˚C):	-18~204
Material:	
Valve Body	A536 65-45-12
	A395 60-40-18
	A216 WCB
	A351 CF8
	A351 CF8M
	A351 CF3M
Valve Disc	A351 CF8
	A351 CF8M
	B148 C95400
	A890 5A
	A890 2A
Valve Seat	NBR

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Type Approval Certificate

	EPDM
	EPT
	Viton
	CR
Valve Stem	A182 F6A
	A182 F304
	A182 F316
	A182 F316L
	A564 630

Butterfly Valves
VF-3 Series (Single Disc)

Nominal Diameters (mm):	DN200~DN3200
Maximum Working Pressure (MPa):	0.1
Working Temperature Range (˚C):	-29~+550
Material:	
Valve Body	Corten
	Q355
	A240 304
	A240 316
	A240 316L
	UNS S32205
Valve Disc	Corten
	Q355
	A240 304
	A240 316
	A240 316L
	UNS S32205
Valve Seat	A182 F304
	A182 F316
	A182 F316L
	UNS S32205
Valve Stem	A182 F304
	A182 F316
	A182 F316L
	UNS S32205

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Type Approval Certificate

VF-3 Series (Double Disc)

Nominal Diameters (mm):	DN200~DN3200
Maximum Working Pressure (MPa):	0.1
Working Temperature Range (˚C):	-29~+550
Material:	
Valve Body	Corten Q355 A240 304 A240 316 A240 316L UNS S32205
Valve Disc	Corten Q355 A240 304 A240 316 A240 316L UNS S32205
Valve Seat	A182 F304 A182 F316 A182 F316L UNS S32205
Valve Stem	A182 F304 A182 F316 A182 F316L UNS S32205

Additional Tests High temperature test conducted according to MAN Test Specification for Standard and Acid Resistant Tier III Valve, Ident No.: 0743965-4 and WIN GD

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Type Approval Certificate

iCER Valve Qualification (DAAD139643) for VF-930AS Series.

Other Conditions

1. The valves are to be made, installed and tested in accordance with Part 5, Chapter 12 of LR Rules and Regulations for the Classification of Ships.
2. Materials for castings and forgings of Class I, II piping systems are to be produced at a works approved by LR and are in general to be tested in accordance with the Rules for Materials.
3. In all cases the materials are to be suitable for their intended service conditions.
4. Where valves intended for installation in pressure piping systems having working pressures exceeding 7 bar, the valves are to be surveyed at the manufacture's work and to the attending Surveyor's satisfaction.
5. The valves of wafer type are not used for ship-side applications including scupper or similar fittings.
6. The valves are not to be used in spaces where leakage of failure caused by fire could result in fire spread, flooding or the loss of an essential service.
7. The valves are not to be used as stop valves in fire main and water spray systems on the deck in the cargo area in oil tankers, chemical tankers and liquefied gas carrier.
8. The valves are not to be used for the services in which they are required to be capable of being remotely in the event of fire.
9. The valves will not be permitted to be used for bilge services for passenger ships, but for cargo ships, may be accepted as (i) bilge suctions for holds in dry cargo ships when fitted in a pipe tunnel in association with a non-return valve and similar low fire risk spaces and (ii) as pump suction valves from main bilge line where the valve is located in the immediate vicinity of the pump and fitted in conjunction with a metal non-return valve on the bilge main side of the butterfly Valve Body.
10. The valves maybe used as "in-line" valves (not outlet valves on deep tanks) in lubricating or fuel oil piping systems and as suction valves on double bottom lubricating oil or fuel oil tanks in machinery spaces

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provided the design is such that failure of non-metallic seal would not result in external leakage and fire spread, and a suitable gasket joint may be fitted between the pipe flange and the Valve Body.

11. The valves are not to be used for the service that is the transfer of oil fuel to the setting or service tanks as required in the event of fire or damage in passenger ships.
12. Valves of type VF-92 series required to be fire safe design are to be fitted with PTFE soft seal or metal seals.
13. The leakage of valves type VF-3 series may be restricted by statutory requirements of the National Authority of the country in which the ship is to be registered.

This certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register Marine and Offshore India LLP of any modification or changes to the equipment in order to obtain a valid Certificate.

Previous Version: LR2162147TA-02

The Design Appraisal Document LR25386740_DAD and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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