Certificate No: LR23270445TA
Issue Date: 30/08/2023
Expiry Date: 29/08/2028

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	**Victaulic**
Address	4901 Kessersville Road, Easton, Pennsylvania, 18040, United States
Place of Production	Victaulic POLSKA SP z o.o. ul. Niepodleglosci 8, Drezdenko, 66-530, Poland
Place of Production	Victaulic Company Alburtis Facility, 8023 Quarry Road, Alburtis, Pennsylvania, 18011, United States
Place of Production	Dalian Bingshan Metal Technology Co. Ltd. No. 9 Northeast 7th Street,, Dalian Economy & Technology Developing Zone, Dalian, 116600, China
Type	Flanged Connectors
Description	Flange Adapters with Grade E EPDM, Nitrile and Grade T (Type A) Nitrile gaskets.(Note - Grade E and Grade T (Type A) are Thirty minutes wet Fire resistant type gaskets as per IACS UR P 2.11)
Trade Name	741

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Gopal Nair

Piping & Pressure System Principal Specialist
to Lloyd's Register North America, Inc.
A member of the Lloyd's Register group

1330 Enclave Parkway, Houston, Texas, 77077,
United States

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Application

Application for Marine Systems as per Part 5 Chapter 12 Section 2.12 of Ship Rules as indicated in other conditions below.

Specified Standard

Rules and Regulations for Classification of Ships - 2021
Rules and Regulations for Classification of Offshore Units 2022

Ratings

Type	Size	MAWP
741	50-300mm(2-12")	16 bar (232 psig)

Additional Tests

Grade E and Grade T(Type A) are Fire resistant type gaskets as per IACS UR P 2.11- thirty minutes wet fire test.

Other Conditions

Applications
Water filled wet fire main & wet water spray and Deck wash lines[3]
Seawater cooling- wet (inboard of ship side valves)4
Fresh Water cooling system4
Ballast systems- wet (in accessible positions i.e. not inside tanks or duct keels)4
Flammable Fluids (Flash Point >60° C) as per Part 5,Chapter 12 Section 2 - Table12.2.7 [2,3]
Domestic supply (non-essential system)
Service air (Non-Essential)
Heating and air-conditioning (not refrigerants)

1) Fire endurance test shall be applied when mechanical joints are installed in pump rooms and open decks.

2) Not inside machinery spaces of Category A or accommodation spaces. May be accepted in other machinery spaces provided the joints are located in easily visible and accessible positions (refer to MSC/Circ.734).

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3) Approved fire-resistant types except in cases where such mechanical joints are installed on open decks, as defined in SOLAS II-2/Reg. 9.2.3.3.2.2(10) and not used for fuel oil lines.

4) Fire endurance test shall be applied when mechanical joints are installed inside machinery spaces of category A.

5) Material – Ductile Iron ASTM A 536 Grade 65-45-12

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 North America, Inc. of any modification or changes to the equipment in order to obtain a valid Certificate.

Previous Version: 99/60181 (E5)

The Design Appraisal Document PRJ11100410919- Q/ADSO/23-0126 - 99/60181(E5) and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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