



## Type Approval Certificate Extension

*This is to certify* that Certificate No. 99/60181 (E4) for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

**PRODUCER**

Victaulic Company

**PLACE OF PRODUCTION**

4901 Kesslersville Road  
Easton  
Pennsylvania, 18040-6714  
United States of America

**Alternate Place of Production**

Victaulic Company  
Alburtis Facility  
8023 Quarry Road  
Alburtis, PA 18011 USA

Victaulic Company  
Victaulic Company Polska Sp. Z.o.o.  
66-530 Drezdenko, Poland  
Woj. Lubuskie  
Ul. Niepodleglosci 8  
Poland

Dalian Bingshan Metal Technology Co. Ltd.  
No. 9 Northeast 7th Street  
Dalian Economy & Technology Developing Zone  
Dalian 116600 China

**DESCRIPTION**

Flange Adapters with Grade 'E' EPDM, Nitrile and Grade T (Type A) Nitrile gaskets.( Note - Grade E and Grade T (Type A) are Fire resistant type gaskets as per IACS UR P 2.11)

**TYPE**

741

**Certificate No.**

99/60181(E5)

**Issue Date**

17 Oct 2018

**Expiry Date**

29 Aug 2023

**Sheet**

1 of 3

Gopal Nair



Lloyd's Register Quality Assurance, Inc  
1330 Enclave Parkway Houston, Texas 77077



## Applications

Fire main , Water spray and Deck wash lines<sup>3</sup>  
Sea water cooling (inboard of ship side valves)<sup>1</sup>  
Fresh Water cooling system<sup>1</sup>  
Bilge systems (except inside tanks)<sup>1</sup>  
Ballast systems (in accessible positions i.e. not inside tanks or duct keels)<sup>1</sup>  
Flammable Fluids (Flash Point >60° C) as per Part 5, Chapter 12 Section 2 -  
Table 12.2.7<sup>2,3,5</sup>  
Sanitary/domestic supply (non-essential system)  
Service air (Non-Essential)  
Heating and air-conditioning (not refrigerants)  
Deck Drains (internal)<sup>4</sup>

- 1) Inside machinery space of Category A – approved fire resistant gasket to be used. Mechanical couplings fitted on the 'bilge main' in machinery spaces of category A are to be of steel or equivalent material.
- 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.
- 3) Mechanical joints that include any components which readily deteriorate in case of fire fitted on other systems are to be of an approved fire-resistant type except when fitted on open decks having little or no fire risk as defined in SOLAS II-2/Reg. 9.2.3.3.2.2(10).
- 4) Above Free board deck only
- 5) In pump rooms and open decks – only approved fire resistant types.

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Sheet 2 of 3

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6)

**Ratings**

Style	Size Ranges (mm)	Sizes Inches	Maximum Working Pressure (bar)	Maximum Working Pressure Psi
741	50-300	2-12	16	232

**SPECIFIED  
STANDARD**

Regulations for the Classification of Ships.  
Rules and Regulations for Classification of Offshore Units.

**Limitations**

- a) The above flanges are to be installed in accordance with manufacturer's instructions to the satisfaction of the attending Surveyor
- b) 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 of any modification or changes to the equipment in order to obtain a valid certificate."*

*The Design Appraisal Document No. 99/60181(E5) and its supplementary Type Approval Terms and Conditions form part of this Certificate.*

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Sheet 3 of 3

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