



Type Approval Certificate Extension

This is to certify that Certificate No. 99/00179(E3) 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 Places 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

Certificate No. 99/60179(E4)
Issue Date 16 Oct 2018
Expiry Date 29 Aug 2023
Sheet 1 of 3

Gopal Nair



Lloyd's Register Quality Assurance, Inc.
1330 Enclave Parkway Suite 200
Houston, Texas -77077, USA

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DESCRIPTION

Grooved Pipe fittings. with Grade 'E' EPDM & Grade 'T' (Type A) Nitrile gaskets(Fire resistant type gaskets as per IACS UR P2.11) & Nitrile gaskets (non-fire tested type)

TYPE

Nos. 10, 11, 12, 13, 20, 25, 50 and 60

Ratings

Fitting Series	Size Ranges (mm)	Size Ranges (inches)	Maximum Working Pressure (bar)	Maximum Working Pressure (psi)
No. 10 (90° Elbow)	20-300	¾- 12	16	232
No. 11 (45° Elbow)	20-300	¾- 12	16	232
No.12 (22½° Elbow)	20-300	¾- 12	16	232
No.13 (11¼° Elbow)	20-300	¾- 12	16	232
No. 20 (Tee)	20-300	¾- 12	16	232
No. 25 (Reducing Tee)	25x25x20 to 300x300x25	1x1x ¾ to 12x12x1	16	232
No. 50 (Concentric Reducer)	40 x 25 to 300x250	1 ½ x 1 to 12 x 10	16	232
No. 60 (End Cap)	20-300	¾ - 12	16	232

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**SPECIFIED
STANDARD**

Regulations for the Classification of Ships
Rules and Regulations for Classification of Offshore Units.
IACS UR P 2.11 -2016

Limitations

- a) For application to specific systems refer to Rules and Regulations for the Classification of Ships Part 5, Chapter 12 section 2.12 and table 12.2.7.
- b) The EDPM and Nitrile T (type A) gaskets have passed the fire tests in accordance with IACS UR P.2.11. Nitrile gaskets are non-fire tested type.
- c) The above fittings are to be installed in accordance with manufacturer's instructions to the satisfaction of the attending Surveyor.
- d) Material – Ductile Iron ASTM A 536 Grade 65-45-12.
- e) All fittings on the class I systems are to be grooved type

"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. 99/60179(E4) and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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