Lloyd's Register

Type Approval Certificate Extension

This is to certify that Certificate No. 16/60001(E1) for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

PRODUCER	Victaulic Company
ADDRESS	4901 Kesslersville Road, Easton, Pennsylvania- 18040 USA
ALTERNATE PLACE OF PRODUCTION	Quality Castings 1200 North Main Street Orrville, Ohio 44667 USA Dalian Refrigeration Company (DRC) No 106 Liaohe East Road Jinzhou District Dalian, China 116630 Victualic De Mexico,S.de R.L.de.C.V, Avendia Aerospecial No.12601, Parque Industrial Chihuahua Sur, Col. Tabalaopa, C.P. 31385 Mexico
PRODUCT DESCRIPTION	Victaulic Style W07 AGS Rigid Coupling & W77 AGS Flexible Coupling

Certificate No.	16/60001(E2)
Issue Date	15 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
A member of Lloyd's Register Group Limited

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PRODUCT TYPE

Advanced Grooved System (AGS) mechanical pipe couplings Style W07 - AGS Rigid Coupling, Style W77 - AGS Flexible Coupling Sizes 14" - 24" (350mm - 600mm) Material: Ductile Iron conforming to ASTM A-536, Grade 65-45-12 Gasket - Material: Grade E (EPDM)

SIZES

14" to 24" (350 mm to 600 mm)

SPECIFIED STANDARD

Lloyd's Register Rules and Regulations for Classification of Offshore Units-2017

Lloyd's Register Rules and Regulations of Classification of Ships-2017

IACS UR P. 211

RATING

Rated Working Pressure: 232 psi (16 bar)
Temperature Range: Minus 30°F to 230°F (Minus 34 °C to 110 °C)
EPDM E Gasket

APPLICATION

Marine and Offshore applications for the following services:

	Systems	Limitation
1	Fresh, Sea Water Cooling	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
2	Ballast	
3	Fire Mains, Water Spray and Sprinkler Applications	
4	Sanitary, Potable Water Systems	
5	Vents, Overflows	
6	Scrubber	

Certificate No. 16/60001(E2)

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Sheet 2 of 3

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LIMITATIONS OR OTHER CONDITIONS

a) The EDPM E gaskets have passed the fire tests in accordance with IACS UR P.2.11.

b) The above fittings are to be installed in accordance with manufacturer's instructions to the satisfaction of the attending Surveyor.

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

d) Couplings are not to be used in systems where pressure pulsation is expected.

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 Quality Assurance, Inc. of any modification or changes to the equipment in order to obtain a valid certificate."

The attached Design Appraisal Document No. 16/60001(E2) *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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