



TYPE APPROVAL CERTIFICATE

Certificate No. : NYK05774-PE007 **Initial Approval** : 5th November, 2013
Product : Mechanical Joints
: Victaulic Company
4901 Kesslersville Road, Easton, PA 18040, U.S.A.
Product Description : Mechanical Joints (Compression Coupling – Press Type)
Model : Vic-Press® system
" See Appendix 1 "

Approval Condition : " See Appendix 1 & 2 "

THIS IS TO CERTIFY that the above-mentioned product has been approved in accordance with the relevant requirement of this Society's Rules and / or of the recognized standards as follows and entered in the "List of Approved Manufacturers and Type Approved Equipment".

Pt 5, Ch 6, Sec 1 of the Rules for the Classification of Steel Ships.

This Certificate is valid until 5th May, 2023

Issued at Busan, Korea on 14th June, 2018

**KOREAN REGISTER OF SHIPPING**

General Manager of
Marine & Ocean Equipment Team

*Note : 1. This certificate will be valid subject to complying with the approval conditions described on the certificate and/or on the Rules of this Society.
2. This certificate will be invalid from the expiry date aforementioned unless the extension or renewal has been granted to the applicant or the manufacturer.
3. Any significant modifications or changes in design or construction to the above product without approval from this Society will render this certificate invalid.
4. Should the specified rules, regulations or standards be amended during the validity of this certificate, the product is to be re-approved by this Society in accordance with the requirements as amended.*

Appendix 1

Product Description and/or Approval Condition

Certificate No : NYK05774-PE007

Date of Issue : 14 June, 2018

A. Product Description

1. Product Specification

- Model : Vic-Press® system
(P507, P508, P560, P562, P563, P568, P571, P572, P573, P574, P575, P576, P577, P578, P579, P585)
- Size : 1/2" ~ 2" Sch.10S type 316 Stainless Steel
- Max. Working Press. : 16 bar
- Max. Temperature : 98°C (HNBR), 121°C (EPDM)

2. Approved Drawings and documents

- Approved document No. NYK05774/131105

3. Test Reports, etc.

- Type approval test report No. 12-5841-1 performed at Aero Nav Laboratories on 8 July, 2013

B. Approval Condition

1. Application & Limitation

- 1) The mechanical joints can be used for the following pipeline lines in easily visible and accessible positions
 - Flammable fluids (Flash point ≤ 60 °C)
 - : Cargo oil lines, Crude oil washing lines and Vent lines
 - Inert gas
 - : Water seal effluent lines and Scrubber effluent lines
 - : Main lines and Distribution lines
 - Flammable fluids (Flash point > 60 °C)
 - : Cargo oil lines, Fuel oil lines and Lubricating oil lines
 - : Hydraulic oil and Thermal oil lines
 - Sea water
 - : Bilge lines, Fire main and water spray, Foam system and Sprinkler system
 - : Ballast system, Cooling water system and Tank cleaning services
 - : Non-essential system
 - Fresh water
 - : Cooling water system, Condensate return and Non-essential system
 - Sanitary/Drains/Scuppers
 - : Deck drains (internal) and Sanitary drains
 - : Scuppers and discharge (overboard)
 - Sounding/Vent
 - : Water tanks/Dry spaces lines
 - : Oil tanks lines (flash point > 60 °C)
 - Miscellaneous
 - : Starting/Control air, Service air (non-essential) and Brine
 - : CO2 system and Steam
- 2) Limitation
 - These mechanical joints are not to be used for Class I or II piping system.
 - These mechanical joints are to be mounted in accordance with the manufacturer's instructions.
 - These mechanical joints, which in the event of damage could cause fire or flooding, are not to be used in piping sections directly connected to the sea openings or tanks containing flammable fluids.
 - Piping in which these mechanical joints are fitted is to be adequately adjusted, aligned and supported. Supports or hangers are not to be used to force alignment of piping at the point of connection.

2. Individual Product Cert. and Drawing Approval Requirement

- 1) Individual Product Certification is not required.

< To be continued >

Appendix 2

Product Description and/or Approval Condition

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3. Marking

For traceability to this type approval, the couplings are at least to be marked with

- Manufacturer's name of trade mark
- Type designation / size

4. Others

* Place of Production

1) Victaulic de Mexico, S. de R.L. de C.V.

Avenida Aeroespacial 12601, Parque Industrial Chihuahua Sur, Chihuahua, CH 31385 Mexico
< End of Certificate >

