



Confirmation of Product Type Approval 23/JUL/2012

Please refer to the "Service Restrictions" shown below to determine if Unit Certification is required for this product.

This is to certify that, pursuant to the Rules of the American Bureau of Shipping (ABS), the manufacturer of the below listed product held a valid Manufacturing Assessment (MA) with expiration date of 16/JUN/2016. The continued validity of the Manufacturing Assessment is dependent on completion of satisfactory audits as required by the ABS Rules.

And; a Product Design Assessment (PDA) valid until 25/JUN/2017 subject to continued compliance with the Rules or standards used in the evaluation of the product.

The above entitle the product to be called Product Type Approved.

The Product Design Assessment is valid for products intended for use on ABS classed vessels, MODUs or facilities which are in existence or under contract for construction on the date of the ABS Rules used to evaluate the Product.

ABS makes no representations regarding Type Approval of the Product for use on vessels, MODUs or facilities built after the date of the ABS Rules used for this evaluation.

Due to wide variety of specifications used in the products ABS has evaluated for Type Approval, it is part of our contract that; whether the standard is an ABS Rule or a non-ABS Rule, the Client has full responsibility for continued compliance with the standard.

VICTAULIC COMPANY

Model Name(s): Fittings: No.10, 11, 12, 13, 20, 25, 50, 60 & 732

Presented to:

VICTAULIC COMPANY
4901 KESSLERSVILLE ROAD
EASTON
United States

Intended Service:

Marine & Offshore Applications - For Fresh, Sea Water Cooling, Bilge, Ballast, Fire Mains, Water Spray and Sprinkler Application, Compressed Air, Sanitary, Potable Water Systems & in Vents, Overflows & Sounding Piping.

Description:

Grooved End Fittings: No.10, 90° Elbows; No.11, 45° Elbows; No.12, 22½° Elbows; No.13, 11¼° Elbows; No.20, Tees; No.25, Reducing Tees, Grooved Branch; No.50, Concentric Reducers; No.60, Caps; Style 732, Wye Type Vic Strainer.

Ratings:

See attached "pdf" for Sizes & Pressure (PSI/BAR)

Service Restrictions:

Unit Certification is not required for this product. If the manufacturer or purchaser request an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined. For General Shipboard Service to be in accordance with Part 4 Section 6 & 9 of the Rules: 1. Fresh Water System - in accessible locations only; 2. Sea Water Cooling Systems - in accessible locations only and inboard of required shell valves or where shell valves (or the equivalent) are not required; 3. Bilge Pipes - in accessible locations only & not in cargo holds or deep tanks; 4. Ballast Systems - in accessible locations only or when the pipelines pass through other ballast tanks; They are also acceptable on tankers for clean ordinary ballast lines provided the lines terminate in the pump room; 5. Fire Mains, Water Spray and Sprinkler Applications; 6. Compressed Air Systems - in accessible locations; 7. Sanitary Systems - in accessible locations only and inboard of required shell valves; 8. Acceptable in Vents, Overflows & Sounding pipes in accessible locations provided they are not located in such a position that subsequent leakage would

create hazards by way of fire, damage to electrical systems or cargo and by the release of noxious or toxic vapors in enclosed spaces; 9. Potable Water Systems - in accessible locations; 10. The components are to be installed in a location where leakage would not create a hazard by way of damage to electrical systems or otherwise create a hazard to the vessel, equipment or personnel onboard; 11. The components and gaskets (Victaulic Gasket Selection Data 05.01) are to be installed in accordance with the manufacturer's recommendation / limitations / requirements.

Comments: PDA Dup resides with Victaulic Company - ALBURTIS, Victaulic Company - DALIAN, and Victaulic Company - DREZDENKO. The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product. The Rules applicable to this assessment are: 1. The Pressure Ratings are based upon connecting of subject components with at least Standard Steel Piping (ASTM A-53 & 106); 2. Materials of components is ASTM A-536;

Notes / Documentation: Supporting Data; 07.01 Grooved End Fittings Data Sheet 09.03 Wye Type Vic-Strainer

Term of Validity: This Product Design Assessment (PDA) Certificate 04-HS469447A-5-PDA, dated 26/Jun/2012 remains valid until 25/Jun/2017 or until the Rules or specifications used in the assessment are revised (whichever occurs first). This PDA is intended for a product to be installed on an ABS classed vessel, MODU or facility which is in existence or under contract for construction on the date of the ABS Rules or specifications used to evaluate the Product. Use of the Product on an ABS classed vessel, MODU or facility which is contracted after the validity date of the ABS Rules and specifications used to evaluate the Product, will require re-evaluation of the PDA. Use of the Product for non ABS classed vessels, MODUs or facilities is to be to an agreement between the manufacturer and intended client.

ABS Rules: 2012 Steel Vessels Rules 1-1-4/7.7, 1-1-Appendix 3, 4-6-2/5.9, 4-6-2/5.5

National Standards:
International Standards:
Government Authority:
EUMED:
Others: None

Model Certificate	Model Certificate No	Issue Date	Expiry Date
PDA	04-HS469447A-5-PDA	26/JUN/2012	25/JUN/2017



ABS Programs

ABS has used due diligence in the preparation of this certificate and it represents the information on the product in the ABS Records as of the date and time the certificate was printed. Type Approval requires Drawing Assessment, Prototype Testing and assessment of the manufacturer's quality assurance and quality control arrangements. Limited circumstances may allow only Prototype Testing to satisfy Type Approval. The approvals of Drawings and Products remain valid as long as the ABS Rule, to which they were assessed, remains valid. ABS cautions manufacturers to review and maintain compliance with all other specifications to which the product may have been assessed. Further, unless it is specifically indicated in the description of the product; Type Approval does not necessarily waive witnessed inspection or survey procedures (where otherwise required) for products to be used in a vessel, MODU or facility intended to be ABS classed or that is presently in class with ABS. Questions regarding the validity of ABS Rules or the need for supplemental testing or inspection of such products should, in all cases, be addressed to ABS.

Ratings:

Grooved End Fittings / Strainer

Product	Size	PSI	Bar
No. 10 90° Elbow	¾" thru 12"	232 psi	16 bar
No. 11 45° Elbow	¾" thru 12"	232 psi	16 bar
No. 12 22½° Elbow	2" thru 12"	232 psi	16 bar
No. 13 11¼° Elbow	2" thru 12"	232 psi	16 bar
No. 20 Tee	¾" thru 12"	232 psi	16 bar
No. 25 Reducing Tee Grooved Branch	2"x2"x¾" - 2"x2"x1½"	232 psi	16 bar
	3"x3"x1" - 3"x3"x2½"	232 psi	16 bar
	4"x4"x1" - 4"x4"x3"	232 psi	16 bar
	6"x6"x2" - 6"x6"x5"	232 psi	16 bar
	8"x8"x2" - 8"x8"x6"	232 psi	16 bar
No. 50 Concentric Reducer	1½"x1"	232 psi	16 bar
	2"x ¾", 1", 1¼", 1½"	232 psi	16 bar
	2½"x1", 1¼", 1½", 2"	232 psi	16 bar
	3"x 1", 1½", 2", 2½"	232 psi	16 bar
	4"x 1", 1½", 2", 2½", 3" 3½"	232 psi	16 bar
	5"x 2", 2½", 3", 4"	232 psi	16 bar
	6"x 1", 2", 2½", 3", 4", 5"	232 psi	16 bar
	8" x 3", 4", 5", 6"	232 psi	16 bar
	10"x 4", 6", 8"	232 psi	16 bar
	12"x 6", 8", 10"	232 psi	16 bar
No. 60 Caps	¾" thru 12"	232 psi	16 bar
Style 732 Wye Type Vic Strainer	2" thru 4" 5" thru 12"	232 psi 232 psi	16 bar 16 bar



Confirmation of Product Type Approval 23/JUL/2012

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This is to certify that, pursuant to the Rules of the American Bureau of Shipping (ABS), the manufacturer of the below listed product held a valid Manufacturing Assessment (MA) with expiration date of 16/JUN/2016. The continued validity of the Manufacturing Assessment is dependent on completion of satisfactory audits as required by the ABS Rules.

And; a Product Design Assessment (PDA) valid until 01/JUL/2017 subject to continued compliance with the Rules or standards used in the evaluation of the product.

The above entitle the product to be called Product Type Approved.

The Product Design Assessment is valid for products intended for use on ABS classed vessels, MODUs or facilities which are in existence or under contract for construction on the date of the ABS Rules used to evaluate the Product.

ABS makes no representations regarding Type Approval of the Product for use on vessels, MODUs or facilities built after the date of the ABS Rules used for this evaluation.

Due to wide variety of specifications used in the products ABS has evaluated for Type Approval, it is part of our contract that; whether the standard is an ABS Rule or a non-ABS Rule, the Client has full responsibility for continued compliance with the standard.

VICTAULIC COMPANY

Model Name(s): Style 99 (Roust-A-Bout Coupling)

Presented to:

VICTAULIC COMPANY
4901 KESSLERSVILLE ROAD
EASTON
United States

Intended Service:

Marine & Offshore Applications: (1) Fresh Water Systems-in accessible Locations only. (2) Sea Water Cooling Systems-in accessible Locations only and Inboard of the required Shell Valves. (3) Bilge Systems-in accessible locations only and not in Cargo Holds or Deep Tanks. (4) Ballast Systems-in accessible locations only or when the Pipelines pass through other Ballast Tanks. (5) Firemain, Waterspray, sprinkler, in accessible locations (6) Compressed Air Systems-in accessible locations only. (7) Sanitary Systems-in accessible locations only and in Board of the required Shell Valves. (8) Potable Water Systems-in accessible locations only. (9) Vents, Overflows and Sounding Pipes of Tanks to Services listed above-in accessible locations provided they are not located in such a position that subsequent leakage would create Hazards by way of Fire, Damage to Electrical Systems or Cargo and by Release of Noxious or Toxic Vapors in Enclosed Spaces.

Description:

Style 99-Plain End Coupling

Ratings:

Sizes 1-1/2 " to 8 ", Pressure Rating = 232 psi (16 bar); Sizes 10" - 12", Pressure Rating = 200 psi (14bar);

Service Restrictions:

Unit Certification is not required for this product. If the manufacturer or purchaser request an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined. (1) The couplings are to be used on plain end carbon steel pipe of standard thickness or thicker pipe only. (2) The components are to be installed in a location where leakage would not create a hazard by way of damage to electrical systems or otherwise create a hazard to the vessel, equipment or personnel onboard. (3) Couplings are to be used in applications not exceeding the

temperature limitations of the gasket material as specified by the manufacturer. (4) All couplings are to be installed in accordance with the guidelines and limitations of the Manufacturer as well as those specified in 4-6-2/5.5 and 4-6-2/3 of the Rules. (5) The components and gaskets are to be installed in accordance with the manufacturer's recommendation / limitations / requirements. (6) Above pressure ratings are based upon castings made of ASTM A 536, Grade 65-45-12 material (7) Style 99 couplings are not to be used in systems where pressure pulsation is expected in accordance with 4-6-2 / Table 12 Note 1.

Comments: The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product. Duplicate PDA resides with Victaulic Co.- Alburdis.

Notes / Documentation: Supporting Data: * See attached "pdf" Drawing List dated 26 June 2012, Task 914102; * Test Matrix- Victaulic-Coupling dated 09-01-10 (Revised 06/08/2012), 5 Shts;

Term of Validity: This Product Design Assessment (PDA) Certificate 05-HS492581B-2-PDA, dated 02/Jul/2012 remains valid until 01/Jul/2017 or until the Rules or specifications used in the assessment are revised (whichever occurs first). This PDA is intended for a product to be installed on an ABS classed vessel, MODU or facility which is in existence or under contract for construction on the date of the ABS Rules or specifications used to evaluate the Product. Use of the Product on an ABS classed vessel, MODU or facility which is contracted after the validity date of the ABS Rules and specifications used to evaluate the Product, will require re-evaluation of the PDA. Use of the Product for non ABS classed vessels, MODUs or facilities is to be to an agreement between the manufacturer and intended client.

ABS Rules: 2012 Steel Vessels Rules 1-1-4/7.7, 1-1-Appendix 3, 4-6-2/5.9, 4-6-2/5.5, 3

National Standards:

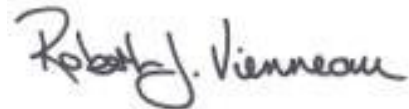
International Standards:

Government Authority:

EUMED:

Others: None

Model Certificate	Model Certificate No	Issue Date	Expiry Date
PDA	05-HS492581B-2-PDA	02/JUL/2012	01/JUL/2017



ABS Programs

ABS has used due diligence in the preparation of this certificate and it represents the information on the product in the ABS Records as of the date and time the certificate was printed. Type Approval requires Drawing Assessment, Prototype Testing and assessment of the manufacturer's quality assurance and quality control arrangements. Limited circumstances may allow only Prototype Testing to satisfy Type Approval. The approvals of Drawings and Products remain valid as long as the ABS Rule, to which they were assessed, remains valid. ABS cautions manufacturers to review and maintain compliance with all other specifications to which the product may have been assessed. Further, unless it is specifically indicated in the description of the product; Type Approval does not necessarily waive witnessed inspection or survey procedures (where otherwise required) for products to be used in a vessel, MODU or facility intended to be ABS classed or that is presently in class with ABS. Questions regarding the validity of ABS Rules or the need for supplemental testing or inspection of such products should, in all cases, be addressed to ABS.



Confirmation of Product Type Approval 23/JUL/2012

Please refer to the "Service Restrictions" shown below to determine if Unit Certification is required for this product.

This is to certify that, pursuant to the Rules of the American Bureau of Shipping (ABS), the manufacturer of the below listed product held a valid Manufacturing Assessment (MA) with expiration date of 16/JUN/2016. The continued validity of the Manufacturing Assessment is dependent on completion of satisfactory audits as required by the ABS Rules.

And; a Product Design Assessment (PDA) valid until 25/JUN/2017 subject to continued compliance with the Rules or standards used in the evaluation of the product.

The above entitle the product to be called Product Type Approved.

The Product Design Assessment is valid for products intended for use on ABS classed vessels, MODUs or facilities which are in existence or under contract for construction on the date of the ABS Rules used to evaluate the Product.

ABS makes no representations regarding Type Approval of the Product for use on vessels, MODUs or facilities built after the date of the ABS Rules used for this evaluation.

Due to wide variety of specifications used in the products ABS has evaluated for Type Approval, it is part of our contract that; whether the standard is an ABS Rule or a non-ABS Rule, the Client has full responsibility for continued compliance with the standard.

VICTAULIC COMPANY Model Name(s): Style 177

Presented to:

VICTAULIC COMPANY
4901 KESSLERSVILLE ROAD
EASTON
United States

Intended Service:

Marine & Offshore Application - 1. Fresh Water System - in accessible locations only; 2. Sea Water Cooling Systems - in accessible locations only and inboard of required shell valves or where shell valves (or the equivalent) are not required; 3. Bilge Pipes - in accessible locations only & not in cargo holds or deep tanks; 4. Ballast Systems - in accessible locations only or when the pipelines pass through other ballast tanks; They are also acceptable on tankers for clean ordinary ballast lines provided the lines terminate in the pump room; 5. Fire Mains, Water Spray, and Sprinkler Applications; 6. Compressed Air Systems - in accessible locations; 7. Sanitary Systems - in accessible locations only and inboard of required shell valves; 8. Acceptable in Vents, Overflows & Sounding pipes in accessible locations provided they are not located in such a position that subsequent leakage would create hazards by way of fire, damage to electrical systems or cargo and by the release of noxious or toxic vapors in enclosed spaces; 9. Potable Water Systems - in accessible locations;

Description:

Style 177 Quick Vic - Flexible Coupling

Ratings:

Sizes: 2" (50 mm) to 4" (114.3 mm) , 232 psi (16 bar)

Service Restrictions:

Unit Certification is not required for this product. If the manufacturer or purchaser request an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined. 1. The components are to be installed in a location where leakage would not create a hazard by way of damage to electrical systems or otherwise create a hazard to the vessel, equipment or personnel onboard; 2. The components and gaskets (Victaulic Gasket Selection Data 05.01) are to be

installed in accordance with the manufacturer's recommendation / limitations / requirements. 3. Size 2-1/2" and larger fittings are not to be used where pressure pulsation is expected in accordance with 4-6-2 / Table 12 Note 1.

Comments: PDA DUP resides with Victaulic Company - ALBURTIS and Victaulic Company - DALIAN. The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product. The Rules applicable to this assessment are: Duplicate resides in Victaulic Co, Alburtis & Dalian Bingshan Metal Technology, China. 1. The Pressure Ratings are based upon connecting of subject components with at least Standard Steel Piping (ASTM A-53 & 106); 2. Materials of components is ASTM A-536

Notes / Documentation: Supporting Documentation: Aero Nav Laboratory Inc. Test Report 12-5676-12 dated 16 May 2012 (5 shts); Drawing List per Review Letter dated 26 Jun. 2012.

Term of Validity: This Product Design Assessment (PDA) Certificate 11-HS635219-2-PDA, dated 26/Jun/2012 remains valid until 25/Jun/2017 or until the Rules or specifications used in the assessment are revised (whichever occurs first). This PDA is intended for a product to be installed on an ABS classed vessel, MODU or facility which is in existence or under contract for construction on the date of the ABS Rules or specifications used to evaluate the Product. Use of the Product on an ABS classed vessel, MODU or facility which is contracted after the validity date of the ABS Rules and specifications used to evaluate the Product, will require re-evaluation of the PDA. Use of the Product for non ABS classed vessels, MODUs or facilities is to be to an agreement between the manufacturer and intended client.

ABS Rules: 2012 Steel Vessels Rules 1-1-4/7.7, 1-1-Appendix 3, 4-4-1/9.3.3, 4-6-2/5.9, 4-6-2/5.5

National Standards: ASTM A 536

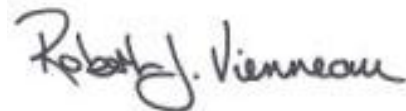
International Standards:

Government Authority:

EUMED:

Others: None

Model Certificate	Model Certificate No	Issue Date	Expiry Date
PDA	11-HS635219-2-PDA	26/JUN/2012	25/JUN/2017



ABS Programs

ABS has used due diligence in the preparation of this certificate and it represents the information on the product in the ABS Records as of the date and time the certificate was printed. Type Approval requires Drawing Assessment, Prototype Testing and assessment of the manufacturer's quality assurance and quality control arrangements. Limited circumstances may allow only Prototype Testing to satisfy Type Approval. The approvals of Drawings and Products remain valid as long as the ABS Rule, to which they were assessed, remains valid. ABS cautions manufacturers to review and maintain compliance with all other specifications to which the product may have been assessed. Further, unless it is specifically indicated in the description of the product; Type Approval does not necessarily waive witnessed inspection or survey procedures (where otherwise required) for products to be used in a vessel, MODU or facility intended to be ABS classed or that is presently in class with ABS. Questions regarding the validity of ABS Rules or the need for supplemental testing or inspection of such products should, in all cases, be addressed to ABS.



Confirmation of Product Type Approval

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Pursuant to the Rules of the American Bureau of Shipping (ABS), the manufacturer of the below listed product held a valid Manufacturing Assessment (MA) with expiration date of 16/JUN/2016. The continued validity of the Manufacturing Assessment is dependent on completion of satisfactory audits as required by the ABS Rules.

And; a Product Design Assessment (PDA) valid until 25/JUN/2017 subject to continued compliance with the Rules or standards used in the evaluation of the product.

The above entitle the product to be called Product Type Approved.

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ABS makes no representations regarding Type Approval of the Product for use on vessels, MODUs or facilities built after the date of the ABS Rules used for this evaluation.

Due to wide variety of specifications used in the products ABS has evaluated for Type Approval, it is part of our contract that; whether the standard is an ABS Rule or a non-ABS Rule, the Client has full responsibility for continued compliance with the standard.

Product Name: Couplings and Additional Components
Model Name(s): Style 07, 77, 75, 741, 743, 750, 920 & 920N

Presented to:
VICTAULIC COMPANY
4901 KESSLERSVILLE ROAD
United States

Intended Service: Marine & Offshore Applications - for Fresh, Sea Water Cooling, Bilge, Ballast, Fire Mains, Water Spray and Sprinkler Applications, Compressed Air, Sanitary, Potable Water Systems & in Vents, Overflows & Sounding Piping, Flammable Fluids.

Description: Style 07 - Rigid Coupling; Style 77 - Flexible Coupling; Style 75 - Coupling; Style 741 - Vic-Flange; Style 743 - Vic-Flange; Style 750 - Reducing Coupling; Style 920 & 920N - Mechanical T Outlet;

Tier: 3

Ratings: See attached "pdf" for Sizes & Pressure.

Service Restrictions: Unit Certification is not required for this product. If the manufacturer or purchaser request an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined. For General Shipboard Service to be in accordance with Part 4 Section 6 & 9 of the Rules: 1. Fresh Water System - in accessible locations only; 2. Sea Water Cooling Systems - in accessible locations only and inboard of required shell valves or where shell valves (or the equivalent) are not required; 3. Bilge Pipes - in accessible locations only & not in cargo holds or deep tanks; 4. Ballast Systems - in accessible locations only or when the pipelines pass through other ballast tanks; They are also acceptable on tankers for clean ordinary ballast lines provided the lines terminate in the pump room; 5. Fire Mains, Water Spray, Sprinkler; 6. Compressed Air Systems - in accessible locations; 7. Sanitary Systems - in accessible locations only and inboard of required shell valves; 8.

Acceptable in Vents, Overflows & Sounding pipes in accessible locations provided they are not located in such a position that subsequent leakage would create hazards by way of fire, damage to electrical systems or cargo and by the release of noxious or toxic vapors in enclosed spaces; 9. Potable Water Systems - in accessible locations; 10. The components are to be installed in a location where leakage would not create a hazard by way of damage to electrical systems or otherwise create a hazard to the vessel, equipment or personnel onboard; 11. The components and gaskets (Victaulic Gasket Selection Data 05.01) are to be installed in accordance with the manufacturer's recommendation / limitations / requirements. 12. The following fittings are not to be used in systems where pressure pulsation is expected in accordance with 4-6-2 / Table 12 Note 1.: Style 77 sizes greater than 6", Style 741 all sizes, Style 920/920N all sizes 13. Grade 'E' EPDM gasket is fire tested, and are approved, fire resistant type. 14. Grade 'T' (Type A) Nitrile gasket is fire tested for models 07, 75, 77, 741, and are approved, fire resistant type. 15. For flammable fluid applications, models 07, 75, 77, and 741 using the Grade 'T' (Type A) gaskets are to be used in accordance with 4-6-2/Table10.

Comments: The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product. The Pressure Ratings are based upon connecting of subject components with at least Standard Steel Piping (A-53 & ASTM 106). Materials of components is ASTM A-536.

Notes / Documentation: ISO 19921, Witness Test, Revision: -

Term of Validity: This Product Design Assessment (PDA) Certificate 11-HS1084385-3-4-PDA, dated 10/Feb/2015 remains valid until 25/Jun/2017 or until the Rules or specifications used in the assessment are revised (whichever occurs first). This PDA is intended for a product to be installed on an ABS classed vessel, MODU or facility which is in existence or under contract for construction on the date of the ABS Rules or specifications used to evaluate the Product. Use of the Product on an ABS classed vessel, MODU or facility which is contracted after the validity date of the ABS Rules and specifications used to evaluate the Product, will require re-evaluation of the PDA. Use of the Product for non ABS classed vessels, MODUs or facilities is to be to an agreement between the manufacturer and intended client.

ABS Rules: Rules for Conditions of Classification, Part 1 - 2015 Steel Vessels Rules 1-1-4/7.7, 1-1-A3, 1-1-A4, which covers the following: Steel Vessels 4-6-2/5.9, 4-6-2/5.5; Rules for Conditions of Classification, Part 1 – 2015 Offshore Units and Structures 1-1-4/9.7, 1-1-A2, 1-1-A3, which covers the following: Mobile Offshore Drilling Units 4-2-1/11.13;

National Standards:
International Standards:
Government Authority:
EUMED:
Others:

Model Certificate	Model Certificate No	Issue Date	Expiry Date
PDA	11-HS1084385-3-4-PDA	10/FEB/2015	25/JUN/2017



ABS Programs

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Ratings:

Couplings / Flanges / Mechanical-T

Product	Size	PSI	Bar
Style 07			
Rigid Couplings	1" -6"	232 psi	16 bar
**Style 77			
Flexible Couplings	3/4" - 12"	232 psi	16 bar
Style 75			
Flexible Couplings	1 1/2" - 8"	232 psi	16 bar
**Style 741			
Vic Flange Adapter ANSI Class 125/150 PN 10	2" - 12"	232 psi	16 bar
Style 743			
Vic Flange Adapter ANSI Class 300 / PN 16	2"	232 psi	16 bar
Style 750			
Reducing Coupling	2"x 1" thru 4" x 3"	232 psi	16 bar
**Style 920 & 920N			
Mechanical T Outlets	2" x 1/2" thru 8" x 4"	232 psi	16 bar

**Style 77 sizes greater than 6" are not to be used in systems where pressure pulsation is expected in accordance with 4-6-2 / Table 12 Note 1

**Style 741 all sizes are not to be used in systems where pressure pulsation is expected in accordance with 4-6-2 / Table 12 Note 1

**Style 920/920N all sizes are not to be used in systems where pressure pulsation is expected in accordance with 4-6-2 / Table 12 Note 1