

Company Name Details

Company Information	Additional Company / Plant Detail	Confirmation of Type Approval
VIEGA GMBH & CO. KG VIEGA STRASEE 1 D-99518 GROSSHERINGEN Germany Tel +49 2722 61 0 Fax +49 2722 61 1206 Email: info@viega.de Website: www.viega.de		19-HS1867105-PDA-DUP

Certificate Number	Category	Expiry Date
16-AG3180761	RQS	03-AUG-2021

Product	Piping System and Couplings
Model	MegaPress Press-in Branch Connector.
Endorsements	
Tier	3 - Type Approved, unit certification not required
Intended Service	Marine and Offshore Applications for hydronic heating, cooling, compressed gases, compressed air including service and control air, process and cooling water, fire sprinkler, low pressure steam, fire main, foam, bilge, ballast, scuppers and fuel/lube/hydraulic oil.
Description	<p>The MegaPress Press-in Branch Connector is an innovative way to create branches from main runs or install instrumentation onto existing piping. The branch connector installs onto 1-1/2” through 4”, and 6”, carbon steel pipe and has a 3/4” FPT outlet. It is available for schedule 10 and schedule 40 carbon steel pipe.</p> <p>The fitting is offered with either an EPDM or FKM sealing element, depending on application. A hydraulic press tool is used to install the branch connector.</p>

M.A.W.P = 14 bar (203 psi).

Operating temperature FKM: 23° F to 284°F (-5°C to 140°C), EPDM: 14°F to 250°F (-10°C to 121°C).

Ratings

Megapress Branch Connector for Schedule 10 & 40 pipe, carbon steel - Model

4812.2/4812.25 with FKM Sealing element - maximum operating Temperature: 284° F (140° C).

Megapress Branch Connector for Schedule 10 & 40 pipe, carbon steel - Model

4812.3/4812.35 with EPDM Sealing element - maximum operating Temperature: 250° F (121° C).

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.

- EPDM should not be used in Fuel, Lube Oil, Hydraulic and Flammable fluid applications.

- The press-fitting system is not to be used in any direct connection to the shell of the vessel (only inboard of required shell valves).

- Only to be used in class III piping and not to be used in class 1 and class II piping per 4-6-2/Table 11 of the Marine Vessels Rules.

- Branch connector are not to be used in the piping section directly connected to the vessel's side below the bulkhead deck of passenger vessels and freeboard deck of cargo vessels or tanks containing flammable fluids per 4-6-2/5.9.1(f) of the High-Speed Naval Craft Rules.

- The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.

- Each particular application, including deck/bulkhead penetrations, of the press fitting system is to be specifically approved in connection with the relevant system and installation.

- The manufacturer's instructions regarding compatibility of pipe/ fitting/ sealing element materials and working media are to be followed.

Comments

- All Press-in Branch Connector are to bear permanent identification, such as the manufacturer's name or trademark, material identify, pressure rating, etc. at which the manufacturer guarantees the Branch Connector to meet the requirements of the manufacturer's standards. Such markings may be cast or forged integral with, stamped on, or securely affixed by nameplate on the component, and are to serve as a permanent means of identification of the component throughout its service life in accordance with 4-6-1/7.1.3 and 4-6-1/7.1.4 of Marine Vessels Rules.

Notes, Drawing and Documentation

Drawing No. 4878.5, IM-MP Branch Connector 0418;
Drawing No. DD-MP 1218, Viega MegaPress Branch Connector;
Drawing No. General information sheet Branch Connector, MegaPress Press-In Branch Connector;
Drawing No. TD-MP 0319, Tech Data Press-in Branch Connector;
Drawing No. Test Certificate 004-19, Test Report ISO 19921 Fire Resistance of Branch Connector Sch40 - EPDM
Testing Facility : Internationale Hydraulik Akademie Gmbh, Am Promigberg 26 D-01108 Dresden - Weixdorf ; Test Date : Jan 9, 2019
Drawing No. Test Certificate 005-19, Test Report ISO 19921 Fire Resistance of Branch Connector Sch40 - FKM;
Testing Facility : Internationale Hydraulik Akademie Gmbh, Am Promigberg 26 D-01108 Dresden - Weixdorf ; Test Date : Jan 9, 2019
Drawing No. Test Certificate 049-18, Test Report ISO 19921 Fire Resistance of Branch Connector Sch10 - FKM
Testing Facility: Internationale Hydraulik Akademie Gmbh, Am Promigberg 26 D-01108 Dresden - Weixdorf ; Test Date : Aug 7, 2019
Drawing No. Test Certificate 050-18, Test Report ISO 19921 Fire Resistance of Branch Connector Sch10 - EPDM
Testing Facility: Internationale Hydraulik Akademie Gmbh, Am Promigberg 26 D-01108 Dresden - Weixdorf ; Test Date : Aug 7, 2019
Drawing No. Test Report 120005269, Test Report ASTM A53/A53M;
Testing Facility : Viega Technology Gmbh & Co. KG ; Test Period : June - Dec 2018

This Product Design Assessment (PDA) Certificate 19-HS1867105-PDA-DUP, dated 17/Jun/2019 remains valid until 16/Jun/2024 or until the Rules or specifications used in the assessment are revised (whichever occurs first).

Term of Validity

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.

2019 ABS Rules for Conditions of Classification, 1-1-4/7.7, 1-1-A3, 1-1-A4, which covers the following:

2019 Marine Vessels Rules: 4-6-1/5, 4-6-2/5.9, 4-6-2/Table 4, 4-6-2/Table 10, 4-6-2/Table 11, 4-6-2/Table 12

ABS Rules

2019 ABS Rules for Conditions of Classification, Part 1- Offshore Units and Structures 1-1-4/9.7, 1-1-A2, 1-1-A3, which covers the following:

2019 Mobile Offshore Units Rules: 4-2-1/5, 4-2-1/11.13

2019 Rules for Conditions of Classification, Part 1 - High-Speed Craft 1-1-4/11.9, 1-1-A2, 1-1-A3, which covers the following:

2019 High-Speed Naval Craft Rules: 4-6-2/5.9

National Standard

NA

**International
Standard**

IACS UR P2.11.2001/Rev.4 2016
ISO 19921:2005
IACS Burst test 18 Sept 08

**Government
Standard**

NA

EUMED Standard

NA

Others Standard

NA

Model Certificate

Model Certificate #

Issue Date

Expiry Date

PDA-DUP

19-HS1867105-PDA-DUP

17-JUN-2019

16-JUN-2024