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**Ontario**

**Building Materials Evaluation  
Commission**

**Commission d'évaluation des  
matériaux de construction**

## **BMEC AUTHORIZATION: 22-05-401 ProPress®**

**Date of Authorization:** July 27, 2022  
**Date of Expiry<sup>1</sup>:** July 27, 2027

### **1. Applicant**

Viega LLC  
585 Interlock Blvd  
Broomfield, CO  
USA, 80021

Tel: (720) 531-8464  
Web: <https://www.viega.us>

### **2. Manufacturing Facility**

Viega LLC  
2210 & 2211 McPherson, KS 67460

Viega GmbH & Co. KG  
Viega Platz 1, 57439 Attenbdorn, DE  
Elspe Works, 57368 Lennestadt-Elspe, DE  
Ennest Works, 57439, Attendorn-Ennest, DE  
GroBheringen Works, 99518 GroBheringen, DE  
Niederwinkling Works, 94559 Niederwinkling, DE

Tel: (720) 531-8464  
Web: <https://www.viega.us>

### **3. Authorization**

Viega LLC's ProPress® are copper and zero lead bronze fittings in copper tube size (CTS) ranging from 12.7mm (1/2") to 101.6mm (4"). The fittings require no soldering or brazing. The ProPress® fittings incorporate an elastomeric seal (EPDM O-ring) and are installed with electro-hydraulic press tools (battery-powered or corded press tools) and only be pressed onto copper tube in accordance with ASTM B-88.

Additional descriptive information is provided in documents supplied by the Applicant listed in Appendix A.

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<sup>1</sup> This Authorization expires on the date shown. It is the responsibility of Authorization holders to make a complete application considering the time for review and complexity of the new application.

Reports and assessments provided by the Applicant demonstrate that if the ProPress® fittings are manufactured, designed, constructed, tested, and installed in accordance with the manufacturer's instructions and limitations, and the specific terms and conditions stated in this authorization, the use of ProPress® shall be deemed to not be a contravention to the traditional practice of joining pipes in a potable water system as required by Article 7.2.7.6. "Solder-Joint Water Fittings" and Article 7.3.2.6. "Mechanical Joints" of Division B of the Building Code.

All other requirements pertaining to the manufacture, design, construction, testing, and installation are subject to the requirements of the Building Code, and subject to the following terms and conditions contained below.

#### 4. Specific Terms and Conditions

4.1. This Authorization is valid only for Viega LLC's ProPress® fittings with sizes from 12.7mm (1/2") to 101.6mm (4") as per table 4.1 below:

<b>Model</b>	<b>Description</b>	<b>Connection</b>	<b>Size</b>
0911	Copper male adapter	Press x M NPT	2 ½" to 4"
0912	Copper female adapter	Press x F NPT	2 ½" to 4"
0915.1 and 0915.2, 2915.1, 2915.2	Copper reducer	Press x FTG	½" to 4"
0915.5, 0915, 2915, 2915.3, 2915.5	Copper coupling (with or without stop)	Press x Press	½" to 4"
0916, 0916.1, 2916, 2916.1, 2916.3	Copper 90 elbows	Press x Press	½" to 4"
2926, 2926.1, 0926.1, 0926	Copper 45 elbows	Press x Press	½" to 4"
0917.2, 0918, 2918	Copper Tee	Press x Press	Full range ½" to 4"
2956, 0956	Copper caps	Press x Press	½" to 4"
2975.2, 2928	Copper 90 stub-out	FTG x closed	½" to 1"
0959.5	Copper Flanges	Press x Flange	2 ½" to 4"
2914.2ZL, 2925.2ZL, 2925.5ZL, 2928.7ZL	ZL Bronze 90 elbows	Press x F NPT	½" to 2"
2917.2ZL	ZL Bronze tee	Press x Press x F NPT	½" to 2"
2911ZL, 2911.1ZL	ZL Bronze male adapter	Press x M NPT, FTG x M NPT	½" to 2"
2912ZL, 2912.1ZL	ZL Bronze female adapter	Press x F NPT, FTG x F NPT	½" to 2"

2960ZL, 2962ZL, 2965ZL, 2957ZL	ZL Bronze Unions	Press x Press, Press x M NPT, Press x F NPT, Press x Union	½” to 2”
2915.1ZL	ZL Bronze Reducer	FTG x Press	½” to 2”
2971.1ZL, 2971.3ZL, 2971.4ZL, 2971.6ZL, 2974ZL	ZL Bronze Valves	Press x Press, Press x Hose, Press x F NPT,	½” to 2”
COLUMN 1	2	3	4

- 4.2. ProPress® fittings shall only be used in hot and cold potable water systems;
- 4.3. ProPress® fittings shall only be used above ground as per CSA certification 1116260;
- 4.4. ProPress® fittings shall maintain listings with:
  - a. NSF 61: “Drinking Water System Components – Health Effects”
  - b. NSF 372: “Drinking Water System Components – Lead Content”
  - c. IAPMO PS117;
- 4.5. ProPress® fittings shall comply with the following standards:
  - a. ASME B16.22: “Wrought Copper and Copper Alloy Solder Joint Pressure Fittings”
  - b. ASME B16.51: “Copper and Copper-Alloy Press-Connect Pressure Fittings”
  - c. ASMT B88: “Seamless Copper Water Tube”;
- 4.6. Temperature limitations for ProPress® fittings shall be in conformance with the Ontario Building Code;
- 4.7. The elastomeric seal (EPDM O-ring) used with the ProPress® fittings shall comply with ASME B16.51 standard;
- 4.8. ProPress® fittings shall be permanently marked with the following:
  - a. Green dot: EPDM sealing element and Smart Connect technology
  - b. Nominal size
  - c. Manufacturer name or trademark
  - d. Manufacturer batch code
  - e. CSA®
  - f. NSF® 61 and 372
  - g. UPC®
  - h. UL® and
  - i. FM;
- 4.9. ProPress® fittings shall be installed in accordance with “Installation Manual: Viega ProPress®” version IM-PP 724607 0620;
- 4.10. ProPress® fittings shall be used with copper K, L and M copper piping;
- 4.11. ProPress® fittings shall not be used in fire protection systems;

- 4.12. ProPress® fittings shall be installed with the use of the manufacturer approved tools; and
- 4.13. All certifications noted in this authorization shall be kept up to date.

## 5. General Conditions

- 5.1. The use of the ProPress® fittings as described in Section 3. and the Specific Terms and Conditions set out in Section 4. must comply with:
  - (a) the *Building Code Act, 1992*, (the “Act”) as amended or re-enacted,
  - (b) except as specifically authorized herein, the Building Code as amended or remade, and
  - (c) all other applicable legislation.
- 5.2. A copy of this Authorization shall accompany each application for a building permit and shall be maintained on the site of the construction with the building permit.
- 5.3. The Applicant specified in Section 1. shall promptly notify the BMEC of:
  - (a) the failure of the Applicant to comply with any of the Specific Terms and Conditions set out in Section 4.,
  - (b) the failure of the material, system or building design that is the subject matter of this Authorization to comply with any of the Specific Terms and Conditions set out in Section 4., or
  - (c) provide a satisfactory level of performance in situ, or the occurrence of any of the events described in General Conditions 5.4.(a), (b), or (e).
- 5.4. The BMEC may amend or revoke this Authorization at any time on its own initiative, or at the request of the Applicant specified in Section 1. Without restricting the foregoing, the BMEC may amend or revoke this Authorization where it determines that:
  - (a) the failure of any change has been made to:
    - (i) the name of the Applicant specified in Section 1.,
    - (ii) the address or other contact name information of the Applicant specified in Section 1.,
    - (iii) the ownership of the Applicant specified in Section 2.,
    - (iv) the manufacturing facilities specified in Section 2,
    - (v) the material, system, or building design that is the subject matter of this Authorization, or
    - (vi) a test method relevant to this Authorization,
  - (b) the Applicant has failed to comply with any of the terms and conditions set out in this Authorization,
  - (c) in the opinion of the BMEC, the use of the material, system or building design authorized herein provides an unsatisfactory level of performance in situ,
  - (d) in the opinion of the BMEC, amendment or revocation of the Authorization is appropriate on the basis of potential danger to public health and safety,

- (e) the *Act* or Building Code has been amended, re-enacted or remade in a manner relevant to this Authorization,
- (f) this Authorization was issued on mistaken, false or incorrect information, or
- (g) a revision of an editorial nature is appropriate.

Dated at Toronto this July 27, 2022

**BUILDING MATERIALS EVALUATION COMMISSION**



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CHAIR, BUILDING MATERIALS EVALUATION COMMISSION

attached – “Appendix A – Supporting Information”

## Appendix A – Supporting Information

The following is a list of the documents that were submitted and reviewed, but were not limited to:

1. Application, Viega LLC, “Viega ProPress 2022 BMEC application package” as amended;
2. Engineer report, Barnes, Richard, “Certification and Analysis VIEGA ProPress™” as amended;
3. Catalog, VIEGA LLC, “ProPress”;
4. Certificate, CSA Group, “MISCELLANEOUS WATER PIPE FITTINGS - Mechanical Type” dated July 22, 2014;
5. Certificate, DQS GmbH, “Viega Holding GmbH & Co.KG” dated December 20, 2020;
6. Certificate of Compliance, UL LLC, “FITTINGS, RUBBER GASKETED” dated October 1, 2021;
7. Certificate of Listing, IAPMO RESEARCH AND TESTING, INC., “Press Connections” revised January 14, 2021;
8. Certificate of Registration, NQA Global Assurance, “VIEGA LLC”, dated September 27, 2010;
9. Letter, TSSA, “Registration – Fitting (Conventional)” dated March 6, 2021;
10. Letter, TSSA, “Registration – Fitting (Conventional)” dated March 9, 2021;
11. Letter, Department of the Navy, “VIEGA PRO-PRESS® PIPE COUPLING APPROVAL FOR LIMITED USE ON SURFACE SHIPS” dated March 29, 2021;
12. Listing, NSF Official, “NSF/ANSI/CAN 61 Drinking Water System Components - Health Effects” dated November 10, 2021, pages 1-9;
13. Instruction Manual, VIEGA LLC, “Installation Manual Viega ProPress®” Version IM-PP 724607 0620, pages 1-44;
14. Manual, VIEGA LLC, “ISO 9001 Quality Management Systems Manual” dated August 6, 2020, page 1-26;
15. Letter, VIEGA LLC, “Response to BMEC questions” dated May 2, 2022;
16. Letter, VIEGA LLC, “Response letter to ltr 1” dated May 20, 2022;
17. Letter, VIEGA LLC, “Response letter to ltr 2” dated June 10, 2022;
18. Letter, VIEGA LLC, “Response letter to ltr 3” dated July 11, 2022; and
19. PowerPoint, VIEGA LLC, “Viega LLC. BMEC Application A2022-02 ProPress® Water Fittings”, dated April 27, 2022.