

# APOLLOXPRESS™

Your Single Source Solution for Press Technology



## Engineering Specification

June 2012

Following are the basic elements that cover the language needed in an engineering specification to allow the use of APOLLOXPRESS™ press-connect fittings as an alternate method of joining copper tubing and copper alloy fittings.

### Products

#### 1.1 Manufacturers

Copper and Copper Alloy Press-Connect Fittings  
Elkhart Products Corporation  
1255 Oak Street  
Elkhart, Indiana 46514  
574-264-3181  
[www.elkhartproducts.com](http://www.elkhartproducts.com)

Brass and Bronze Press-Connect Fittings  
Conbraco Industries Inc.  
701 Matthews Mint Hill Road  
Matthews, North Carolina 28016  
704-847-9191  
[www.conbraco.com](http://www.conbraco.com)

#### 1.2 Material

##### 1.2A Fittings

APOLLOXPRESS Press-Connect Fitting: Copper and copper alloy press fittings shall conform to material requirements of ASME B16.18 or ASME B16.22 and performance criteria of IAPMO PS 117. Sealing elements for press fittings shall be EPDM. Leak before press feature must incorporate a multiple leak path design. Sealing elements shall be factory installed.

The APOLLOXPRESS LD-C 2½"-4" shall incorporate both visual and mechanical leak before press features. Press-connect fitting press end shall have a break-away band for visual inspection of completed press.

The APOLLOXPRESS press-connect fitting press end shall have the leak-before-press feature, which assures leakage of liquids and/or gases from inside the system past the sealing element in an unpressed connection.

The functions of the break-away band and leak-before-press features are to provide the installer quick and easy identification of connections which have not been pressed prior to putting the system into operation.

##### 1.2B Copper Tube/Pipe

Tube/ Pipe to be of industry standard size and rated as K, L or M

Tube/Pipe shall be free from surface and end damage and conform to ASTM B75 and ASTM B88

Tube/Pipe used in potable applications to be third party certified to NSF61G

#### 1.3 Installation

APOLLOXPRESS Press-Connect Fitting: Copper press fitting joints shall be made in accordance with the Elkhart Products Corporation's installation instructions and installed by a certified and trained contractor. Tubing ends must be free of debris, reamed and chamfered. The tubing shall be fully inserted into the fitting and the tubing marked at the shoulder of the fitting. The fitting alignment shall be checked against the mark in the tubing to ensure the tubing is fully engaged (inserted) in the fitting. The joints shall be pressed using the pressing tools and jaws, or jaw sets, approved by the Elkhart Products Corporation. Before system commission, tubing and joints must be water/air tested in accordance with standard prescribed testing methods, or as designated by the owner / engineer.



SALES and CUSTOMER SERVICE

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Elkhart Products Corporation

For the perfect fit



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