

APOLLOXPRESS™

Your Single Source Solution for Press Technology



Product Data Sheet

April 2012

Manufacturer:

Elkhart Products Corporation
1255 Oak Street
Elkhart, IN 46515
Telephone: 800-284-4851; 574-264-3181; Fax: 574-264-4835
Internet: www.elkhartproducts.com

System Overview:

APOLLOXPRESS™ fittings achieve a sound joint through the exertion of pressure from a press-fit tool. A specially designed EPDM o-ring within the collar of the fitting provides the mechanism by which a perfect seal is created. Once the copper tube is fully inserted into the fitting, the jaws of the press-fit tool are placed around the collar. With the jaws at a 90 degree angle to the fitting, the press-fit tool is activated and the jaws compress the o-ring tightly onto the copper tube, creating a strong and reliable joint. Compatible with most commercially available press-fit tools.

We do everything we can to make our products in America, using as much American content as possible. With 9 locations in the USA, 2000 American Workers, and a US-based supply chain that touches another 3500 Americans, you would be hard pressed to find a product line with more genuine American content.

System Benefits:

- Low-lead design
- Leak-before-press feature
- Clean, professional look
- Pre-lubricated for fast installation
- Approved for underground applications*
- Ideal for service and repair
- EPDM o-ring seal
- Heat & flame free, reducing fire hazard
- No wire brush, flux, or solder required
- No flame, tarnish, or solder build-up
- No preparation procedures or adhesive curing times
- This product complies with California Law AB1953 – low lead requirements

* Local code officials and/or plumbing inspectors should be consulted to ensure underground installations are in compliance with local plumbing regulations.

Construction Materials:

- Body – Copper/Low-lead Brass
- O-ring – EPDM
- Lubricant – ANSI/NSF 61 listed silicone oil

Pressure & Temperature Rating:

APOLLOXPRESS fittings are pressure rated at 200 psi (13.8 Bar) over a temperature range from 0°F to 250°F (-18°C to 121°C) when pressed according to APOLLOXPRESS fitting installation instructions and using jaws and pressing tools approved by Elkhart Products Corporation.



SALES and CUSTOMER SERVICE

Phone: (704) 841-6000
Fax: (704) 841-6020

P.O. Box 247 | Matthews, NC 28105
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Elkhart Products Corporation
For the perfect fit



SALES and CUSTOMER SERVICE

Phone: (800) 395-7313
Fax: (574) 264-0103

1255 Oak Street | Elkhart, IN 46514
www.elkhartproducts.com



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Approvals:

IAPMO cUPC® listed, File Number 4861, as meeting the requirements of the IAPMO PS-117, ANSI/NSF 61-G (file number 6174), and CSA TIL-MSE-13 standards, and the UPC and IPC plumbing codes

Massachusetts Commonwealth of Massachusetts Product Approval Number P1-1205-57
 Illinois Illinois Department of Public Health, Plumbing Code Advisory Council
 Kentucky Commonwealth of Kentucky, Office of Housing, Buildings and Construction
 Minnesota Plumbing Code Advisory Council
 Wisconsin Safety and Buildings Division
 State of Michigan
 Miami/Dade County Public School District
 City of Los Angeles, California – General Approval RR# 5630
 Ford Motor Company

Additional Approvals & Listings will be added to this list in the future.

Approved Applications:

- ASTM B88 Tube Types – K, L, M drawn (hard) copper tube and annealed (soft) copper tube in ½” – 4” Nominal Size

Approved Applications – Potable water, hot water heating, chilled water systems within the pressure and temperature ratings stated below. Can be used in underground applications*. For other applications, contact EPC’s technical representatives.

* Local code officials and/or plumbing inspectors should be consulted to ensure underground installations are in compliance with local plumbing regulations.

Approved Fluids and/or Gases:

- Hot Water – Up to 200°F (121°C)
- Chilled Water – Down to 32°F (0°C)
- Vacuum
- Water Glycol Mixture – Ethylene, propylene, butylenes, and glycol up to 100% concentration
- Compressed Air – Oil-free, clean, dry, filtered air
- Cleaning Chemicals – Washer fluids and chemicals compatible with EPDM
- Inert Gas – Argon, Nitrogen, Oxygen (non-medical) at a maximum working pressure of 140 psi

Minimum Spacing:

To prevent distortion of the pipe, fittings require a minimum distance between fittings (refer to chart below). Failure to provide this distance may result in an improper seal.

The minimum distance between an APOLLOXPRESS fitting and a soldered or brazed fitting must not be less than three times the diameter of the tube being pressed.

Fitting Size	Minimum Spacing	Fitting Size	Minimum Spacing	Fitting Size	Minimum Spacing
½”	0”	1 ¼”	½”	2 ½”	¾”
¾”	0”	1 ½”	¾”	3”	¾”
1”	0”	2”	¾”	4”	¾”

Warranty:

APOLLOXPRESS fittings carry a 50 year warranty against material defects and workmanship.



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