ICC-ES PMG Product Certificate

PMG-1438

Effective Date: August 2026

This listing is subject to re-examination in one year.

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CSI: DIVISION: 23 00 00—HEATING, VENTILATING AND AIR CONDITIONING (HVAC)
Section: 23 11 00—Facility Fuel Piping

Product certification system:

The ICC-ES product certification system includes testing samples taken from the market or supplier's stock, or a combination of both, to verify compliance with applicable codes and standards. The system also involves factory inspections, and assessment and surveillance of the supplier's quality system.

Products: Aquatechnik Gas PEX-AL-PEX Pipe and Fitting System

Listee: Aquatechnik Group s.p.a
Via P.F. Calvi, 40
Magnago (MI) 20020 Italy
www.aquatechnik.it
www.aquatechnikNA.com

Compliance with the following codes:

2024, 2021, 2018, 2015, 2012 and 2009 *International Fuel Gas Code®* (IFGC)
2024, 2021, 2018, 2015, 2012 and 2009 *International Residential Code®* (IRC)
2027, 2024, 2021, 2018, 2015, 2012 and 2009 *Uniform Plumbing Code®* (UPC)*

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Compliance with the following standards:

ASTM F1281-2026, Standard Specification for Cross-linked Polyethylene/Aluminum/Cross-linked Polyethylene (PEX-AL-PEX) Pressure Pipe

Identification:

Pipe: The Aquatechnik PEX-AL-PEX pipe shall be marked every 5 feet (1.5 m) with the following: company name or trademark, material (PEX-AL-PEX), nominal size (for example, 1216), temperature and pressure ratings, ASTM F1281 designation, production code, and the ICC-ES PMG listing mark.

Fittings: Fittings shall be marked with manufacturer's name or trademark, and the ICC-ES PMG listing mark.

Installation:

Aquatechnik PEX-AL-PEX pipes must be installed in accordance with the manufacturer's published installation instructions, the applicable codes and this listing.

Listings are not to be construed as representing aesthetics or any other attributes not specifically addressed, nor are they to be construed as an endorsement of the subject of the listing or a recommendation for its use. There is no warranty by ICC Evaluation Service, LLC, express or implied, as to any finding or other matter in this listing, or as to any product covered by the listing.

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Authority Having Jurisdiction for the area in which this product is to be installed, shall have the final decision regarding approval for installation in accordance with Sections R104.11 and G2415.17 of the IRC, Sections 105.2 and 404.17 of the IPC, and Sections 301.3 and 1210.1.7 of the UPC.

Models:

The pipe is available in nominal pipe sizes from 1/2 inches (1216 mm) to 2-1/2 inches (6075 mm) (6075 mm). Aquatechnik Multi-Gas pipe are yellow in color for gas applications

Pipe: Aquatechnik Multi-Gas PEX-AL-PEX pipe is manufactured from cross-linked polyethylene (PEX) and aluminum materials satisfying ASTM F1281.

COD	Description	Dimensions
174303U 174303	PN 10 - 95° C, in yellow rolls	½" x 0.08"
174304U 174304		½" x 0.08"
174307U 174307		⅝" x 0.08"
174308U 174308		⅝" x 0.08"
174309U 174309		⅞" x 0.12"
174310U 174310		⅞" x 0.12"
174311U 174311		1" x 0.12"
174312U 174312		1" x 0.12"
174323U 174323	PN 10 - 95° C, with corrugated insulation, in yellow rolls	½"x 0.08"
174324U 174324		½"x 0.08"
174327U 174327		⅝"x 0.08"
174328U 174328		⅝"x 0.08"
174329U 174329		⅞"x 0.12"
174330U 174330		⅞"x 0.12"

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Fitting: Aquatechnik Safety®-Gas Brass Fittings of the following sizes can only be used on Aquatechnik PEX-AL-PEX pipe; fittings cannot be used with pipe from other manufacturer.

COD	Description	Dimensions
240022U	THREADED JOINT M, safety-gas with NPT thread	M ½"- sm ½"
240026U		M ½"- sm ⅝"
240030U		M ¾"- sm ⅞"
240032U		M 1"-sm ⅞"
240034U		M 1"-sm 1"
30044U	THREADED JOINT M/F,safety-gas with NPT thread	M ½" - sf ⅝"
30045U		M ¾" - sf ⅞"
30046U		M ¾" - sf 1"
30048U		M 1" - sf ⅞"
30047U		M 1" - sf 1"

30070U	THREADED JOINT M, safety-metal, of alloy, for manifolds ø 26 and 32 mm, nickel-plated, with NPT thread	M 1" - sf ⅞"
30072U		M 1" - sf 1"
240082U	THREADED JOINT F, safety-gas with NPT thread	F ½"- sm ½"
240086U		F ½"- sm ⅝"
240088U		F ¾"- sm ⅝"
240090U		F ¾"- sm ⅞"
240094U		F 1"- sm 1"
30106U	THREADED JOINT F/F, safety-gas with NPT thread	F ½" - sf ⅝"
30107U		F ½" - sf ⅞"
30108U		F ¾" - sf ⅞"
30109U		F¾" - sf 1"
30110U		F 1" - sf 1"
30111U		F ½" - sf 1"
240122U	REDUCER, safety-gas	sf ⅝" - sm ½"
240124U		sf ⅞" - sm ½"
240126U		sf ⅞" - sm ⅝"
240128U		sf 1" - sm ½"
240130U		sf 1" - sm ⅝"
240132U		sf 1" - sm ⅞"
240202U	THREADED ELBOW F, safety-gas with bracket, with NPT thread	F ½"- sm ½"
240206U		F ½"- sm ⅝"
240262U	THREADED ELBOW F, safety-gas with NPT thread	F ½"- sm ½"
240266U		F ½"- sm ⅝"
240270U		F ¾"- sm ⅞"
240274U		F 1"- sm 1"
240322U	THREADED ELBOW M, safety-gas with NPT thread	M ½"- sm ½"
240326U		M ½"- sm ⅝"
240330U		M ¾"- sm ⅞"
240334U		M 1"- sm 1"
240720U	REDUCED TEE, safety-gas	sm ⅝" - sm ½" - sm ⅝"
240730U		sm ⅞" - sm ⅝" - sm ⅞"
240746U		sm 1"- sm ⅝" - sm 1"
240752U		sm 1" - sm ⅞" - sm 1"
240382U	ELBOW , safety-gas	sm ½" - sm ½"
240386U		sm ⅝" - sm ⅝"
240390U		sm ⅞" -sm ⅞"

240394U		sm 1" - sm 1"
240442U	PIPE COUPLING, safety-gas	sm ½" - sm ½"
240446U		sm ⅝" - sm ⅝"
240450U		sm ⅞" - sm ⅞"
240454U		sm 1" - sm 1"
240662U	TEE, safety-gas	sm ½" - sm ½" - sm ½"
240666U		sm ⅝" - sm ⅝" - sm ⅝"
240670U		sm ⅞" - sm ⅞" - sm ⅞"
240674U		sm 1" - sm 1" - sm 1"
249102U	PA-M CAP, safety-gas, yellow color	sf ½"
249106U		sf ⅝"
249108U		sf ⅞"
249110U		sf 1"

Conditions of Listing:

1. During placement of cover over the pipe, the pipe must be maintained at the greater of $1^1/_2$ times the working pressure or 100 psi (689.4 kPa).
2. The Aquatechnik PEX-AL-PEX pipe and fittings recognized in this listing shall be installed as a system and fittings shall be not used on pipes from other manufacturer.
3. The Authority Having Jurisdiction for the area in which this product is to be installed, shall have the final decision regarding approval for installation in accordance with Sections R104.11 and G2415.17 of the IRC, Sections 105.2 and 404.17 of the IPC, and Sections 301.3 and 1210.1.7 of the UPC.
4. The pipe installation must be pressure-tested for leaks in the presence of the code official or the code official's designated representative.
5. When installation is in fire-resistance-rated assemblies, evidence must be provided to the code official of compliance with *International Building Code*® (IBC) Section 713 (penetrations).
6. The pipe must not be used as a source of electrical ground.
7. Pipe bends must be installed in accordance with the manufacturer's published installation instructions.
8. When the system is embedded in concrete, piping must be covered a minimum of $^3/_4$ inch (19.1 mm) and installation must comply with IBC Section 1906.3 or UBC Section 1906.3, as applicable.
9. Pipe and Fittings recognized in this listing are under a quality control program with surveillance inspections two times per year by ICC-ES.