

Qual-Pex ML Pro



TRUSTWORTHY CONNECTIONS WITH QUAL-PEX ML PRO

Pipelife Qual-Pex piping systems deliver unparalleled quality and durability in plumbing projects across Ireland and beyond.

Save time, cut costs, and connect with confidence.

Qual-Pex ML

MAKING QUALITY CONNECTIONS...



Pro



...EVERYWHERE

Make the Quality Connection with our Qual-Pex ML PRO Pipe and Fittings range



Backed by a Premier Warranty

With Pipelife plumbing systems, you get a market leading 50-year guarantee offering you more certainty to install with confidence.



A History of Plumbing Innovation

Pipelife Ireland has been a leader in the plumbing & heating industry for over 55 years and is part of a strong family of brands. Pipelife is a company with annual revenues of €1bn a year. We operate in 28 countries and employ 3,000 employees in 28 manufacturing locations.



Comprehensive Offering

Choose the system you prefer and pair it with our extensive range of fittings and plumbing products from our family of brands – all under the same guarantee.



Compatibility of the Qual-Pex ML PRO Pipe System

The innovative Qual-Pex ML PRO Pipe range is ideally suited for all domestic heating systems including underfloor heating and can be used with any suitably approved or certified Press fitting.



Pipelife has you covered with a wide variety of high-quality products and a warranty you can count on.

Qual-Pex System Solutions

With a heritage dating back to 1970, Pipelife is a recognised market-leading manufacturer and supplier of innovative, certified heating and plumbing products.

Products are designed and made to last and undergo rigorous testing and quality control procedures.

Customer support is provided through multiple channels with a dedicated team for after sales and an experienced technical department to help with any queries.

Put your trust in Pipelife: 55 years of proud Irish manufacturing & serving the Irish plumbing & heating industry.

All Qual-Pex Press Systems are accompanied by free competency training and certification , carried out by our own in-house qualified technicians.



Meet the Newest Member of the Pipelife Qual-Pex Family.

Qual-Pex ML PRO

PIPE & FITTINGS

- Our Pipe is manufactured and tested in an ISO 9001:2015 accredited manufacturing facility and is certified to EN ISO 21003.
- WRAS approved for total peace of mind
- Market Leading 50 Year Guarantee
- Trusted quality from the makers of Qual-Pex Pipe

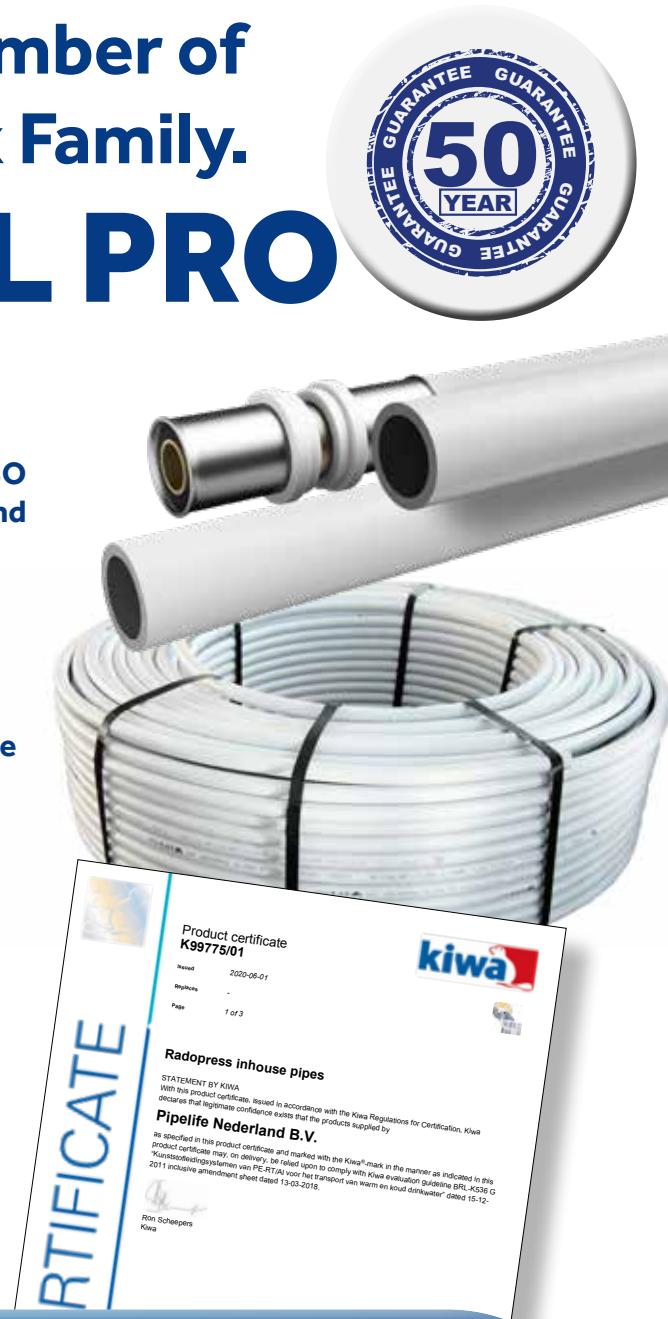
With this new range, specifiers and installers can have complete confidence in performance, reliability, and long-lasting results.

To keep installers supplied with the right top-quality products, the range includes:

- Pipe sizes of 16mm x 2mm, 20mm x 2mm, 26mm x 3mm and 32mm x 3mm
- Plain white and red or blue insulated coils
- 25m, 50m, 100m, 400m and 500m coils

Manufacturing Insights

Pipelife manufacturing process from start to finish, meaning that every coil of our Qual-Pex ML PRO Pipe is guaranteed from concept to delivery! Each aspect of the pipe is manufactured under the ISO 9001:2015 Quality Management System and our quality assurance team stringently tests performance throughout production. As a testament to our confidence and pride in our manufacturing processes, the new Qual-Pex ML PRO Pipe comes with a market-leading 50-year guarantee.



Each pipe is made of a layer of aluminium, sandwiched between two layers of Pert. The metal layer cleverly serves as an oxygen barrier and stops oxygen diffusion through a polymer matrix. This means that oxygen cannot dissolve into the water in the tube and corrode the metal components of the system. As well as offering optimum durability, the Qual-Pex ML PRO Pipe bends more effectively than conventional piping as the shape memory of the Pert is offset by the aluminium.

ML PRO Pipe

KEY FEATURES

- More cost effective when compared with conventional piping systems
- All the combined advantages of metal and plastic pipes
- Lightweight, flexible and maintains its shape after bending
- Due to their flexibility, our new multilayer aluminium pipes will expand in the case of frost. This reduces the break risk that may be posed by standard metallic pipes.
- The multiple layers of our new aluminium pipe system offer low thermal conductivity, reducing heat losses to produce energy savings.
- With a lightweight and flexible construction, handling, transport and installation of the Qual-Pex ML PRO Pipe is a breeze.
- Whereas metallic pipes can produce significant noise at any water speed exceeding 1m/second, our new aluminium pipes stay quiet up to speeds of 2.5m/second.
- Multilayer pipes contain a great number of chemical agents including acids and bases that are resistant to corrosion.
- Even at high temperatures and pressure, the lifetime of the new Qual-Pex ML PRO Pipe can reach 50 years.
- The pipe's multiple layers retain the organoleptic properties of water, ensuring its use is allowed by European Union authorities.



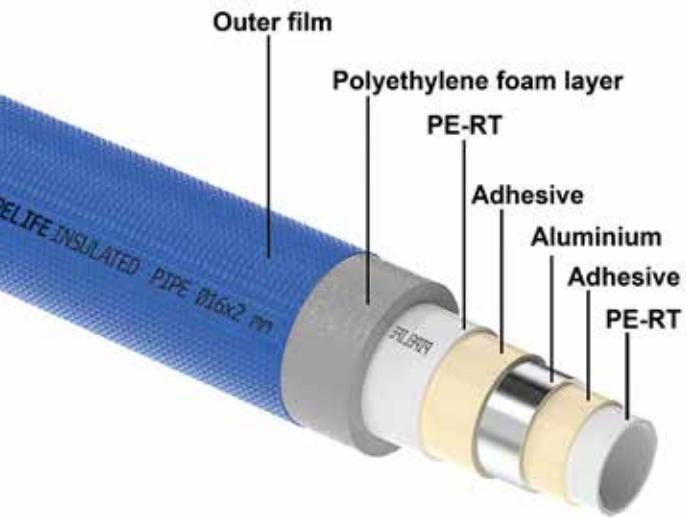
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* (I.E MEETING IRISH AGREEMENT BOARD REQUIREMENTS AND/OR RELEVANT EUROPEAN STANDARDS, I.E. FITTINGS MANUFACTURED TO EN ISO 21003). THIS GUARANTEE IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS.

Qual-Pex ML PRO Pipe. Connected in Quality.



Qual-Pex ML PRO pipes are filling the gap between steel and plastic pipes, setting new standards for the distribution of hygienic hot and cold water. The embedded aluminium layer within our Qual-Pex ML PRO pipes helps to make them incredibly resilient against temperature changes, pressure stroke loading, torsion and tension. This results in a long service life of not just our pipes, but the whole housing applications as well.

Product description

16mm x 2mm, 20mm x 2mm, 26mm x 3mm and 32mm x 3mm AL-PERT multilayer pipes available in plain white & red and blue insulated coils. Available in 25M, 50M, 100M and 400M coils.

Field of application

Product is suitable for heating and plumbing applications for domestic, commercial & industrial applications in addition to drinking water applications.

Certification

AI-Pert is manufactured and tested in an ISO 9001:2015 accredited manufacturing facility and is certified to EN ISO 21003. Material is WRAS approved for drinking water applications.

Product guarantee

Scope of the guarantee is for a minimum period of 50 years.

Pipe layering - technical information

1. Polyethylene inner pipe (PE-RT).
2. An adhesive layer bonding the inner pipe to the aluminium oxygen barrier.
3. Butt-welded aluminium oxygen barrier layer.
4. An adhesive layer bonding the outer pipe to the aluminium oxygen barrier.
5. Polyethylene outer pipe (PE-RT).
6. 6mm insulation available in red and blue.

Jointing

Pipes are suitable for jointing with press and compression fittings.

Key performance data

Max. Operating temperature: 95C.
Max. Operating pressure: 10bar.
Coefficient of linear expansion: 0.026 mm/m K.
Minimum bending radii: 5 X pipe outer diameter.
Oxygen diffusion: 0 mg/l/d.
Thermal conductivity: 0.43 W/mK.

Qual-Pex ML PRO - Coils

Material Code	Description
3196004770	16mm x 400m
3196004864	16mm x 100m
3196004717	20mm x 100m
3196004719	26mm x 100m
3196004720	32mm x 50m



Qual-Pex ML PRO Insulated Pipe - Coils

Material Code	Description	Insulation	Colour
1533001222	16mm x 100m	6mm	Blue
1533001223	16mm x 100m	6mm	Red
1533001224	20mm x 50m	6mm	Blue
1533001225	20mm x 50m	6mm	Red
1533001226	26mm x 50m	6mm	Blue
1533001227	26mm x 50m	6mm	Red
1533001228	32mm x 25m	6mm	Blue
1533001229	32mm x 25m	6mm	Red



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QUAL-PEX ML PRO PRESS FITTINGS

Make the Quality Connection

Discover the new Qual-Pex ML PRO Fitting Range — a comprehensive selection of high-performance fittings designed to suit every job, every time



Product Overview

Every fitting feature two EPDM O rings on each connection which, when pressed correctly, delivers a water-tight seal in seconds. Quick to install in three simple steps – Cut, Calibrate & Press, saving on time and costs as less fittings are required when compared with traditional plumbing methods. Qual-Pex ML PRO fittings are designed for use in sanitary water supply and heating systems.

- Max Operating Pressure: 10 bar
- Max Operating Temperature: 95°C
- Max Peak Temperature (at 1 hour): 110°C
- Brass body manufactured from CW617N brass to EN ISO 21003.
- Suitable for use with the following pipes:
 - Aluminium plastic composite /PE-X / PE-RT / PB/ Steel plastic composite
 - Manufactured as standard for use with Aluminium plastic composite pipe.
- Operating Temperatures 0°C to 110°C
- 304 Stainless Steel sleeves
- Application class: 2/6 bar, class 5/6 bar
- Sizes: 16mm, 20mm, 26mm & 32mm
- WRAS Approved
- TH profile
- EPDM O-rings

INSTALLATION INSTRUCTIONS



1. Cut

Cut the pipe squarely to desired length using an appropriate cutting tool



2. Calibrate

Insert the reamer into the cut pipe and rotate, pushing slightly to remove all burrs and rough edges. NOTE, a poorly calibrated pipe could damage the O rings on insertion.



3. Connect and Press

Connect the pipe and fitting and check pipe is fully inserted in the inspection windows. The white of the pipe must be viewable through these holes.

DO NOT USE SEALING AGENTS SUCH AS PTFE TAPE OR JOINTING COMPOUND. USE TH PROFILE JAWS TO PRESS.

QP10 Straight Coupler

Material Code	Description	Bag Qty
1533000035	16mm	10
1533000037	20mm	10
1533000040	26mm	10
1533000044	32mm	5

**QP10 Straight Reducer**

Material Code	Description	Bag Qty
1533000036	20mm x 16mm	10
1533000038	26mm x 16mm	10
1533000039	26mm x 20mm	10
1533000041	32mm x 16mm	5
1533000042	32mm x 20mm	5
1533000043	32mm x 26mm	5

**QP13 – Copper to Press Adaptor**

Material Code	Description	Bag Qty
3095904034	1/2" X 16mm	10
3095904035	3/4" X 20mm	10
3095904036	1" X 26mm	10
3095904037	1" X 32mm	5

**QP11 Straight Male Adaptor**

Material Code	Description	Bag Qty
1533000125	16mm x 1/2" M	10
1533000128	20mm x 3/4" M	10
1533000129	26mm x 3/4" M	10
1533000130	26mm x 1" M	10
1533000131	32mm x 1" M	5



QP12 Straight Female Adaptor

Material Code	Description	Bag Qty
1533000137	16mm x 1/2" F	10
1533000139	20mm x 3/4" F	10
1533000140	26mm x 3/4" F	10
1533000141	26mm x 1" F	10
1533000142	32mm x 1" F	5



QP14 Spigot

Material Code	Description	Bag Qty
3095904028	1/2" X 16mm	10
3095904029	3/4" X 20mm	10
3095904030	1" X 26mm	10
3095904031	1" X 32mm	5



QP15 Elbow

Material Code	Description	Bag Qty
1533000159	16mm	10
1533000160	20mm	10
1533000161	26mm	10
1533000162	32mm	5



QP15 Radiator Extension Elbow

Material Code	Description	Bag Qty
3095904042	16mm x 300mm	1



QP16 Elbow Male Adaptor

Material Code	Description	Bag Qty
1533000166	16mm x 1/2" M	10
1533000168	20mm x 3/4" M	10
1533000169	26mm x 3/4" M	10
1533000170	26mm x 1" M	10
1533000171	32mm x 1" M	5

**QP17 Elbow Female Adaptor**

Material Code	Description	Bag Qty
1533000180	16mm x 1/2" F	10
1533000182	20mm x 3/4" F	10
1533000183	26mm x 3/4" F	10
1533000184	26mm x 1" F	10
1533000185	32mm x 1" F	5

**QP18 Equal Tee**

Material Code	Description	Bag Qty
1533000064	16mm	10
1533000067	20mm	10
1533000008	26mm	10
1533000083	32mm	5



QP18 Reducing Tee

Material Code	Description	Bag Qty
1533000006	20mm x 16mm x 20mm	10
1533000007	20mm x 20mm x 16mm	10
1533000065	16mm x 20mm x 16mm	10
1533000066	20mm x 16mm x 16mm	10
1533000068	20mm x 26mm x 20mm	10
1533000069	26mm x 16mm x 20mm	10
1533000070	26mm x 16mm x 26mm	10
1533000071	26mm x 20mm x 16mm	10
1533000072	26mm x 20mm x 20mm	10
1533000073	26mm x 20mm x 26mm	10
1533000074	26mm x 26mm x 16mm	10
1533000075	26mm x 26mm x 20mm	10
1533000076	26mm x 32mm x 26mm	5
1533000077	32mm x 16mm x 32mm	5
1533000078	32mm x 20mm x 26mm	5
1533000079	32mm x 20mm x 32mm	5
1533000080	32mm x 26mm x 26mm	5
1533000081	32mm x 26mm x 32mm	5
1533000082	32mm x 32mm x 26mm	5



QP20 Nut & Insert Adaptor to Copper Compression

Material Code	Description	Bag Qty
3095904043	14.5/15mm x 16mm	10
3095904039	3/4" x 20mm	10
3095904038	1" x 26MM	10



QP Shower Bracket

Material Code	Description	Bag Qty
3095904041	1/2" x 16mm	1

**QP25 Straight Tap Connector**

Material Code	Description	Bag Qty
3095904032	16mm X 1/2"	10
3095904033	20mm X 3/4"	10

**QP80 Lever Ball Valve**

Material Code	Description	Bag Qty
1533000001	16mm	1
3095904025	20mm	1
3095904026	26mm	1
3095904027	32mm	1

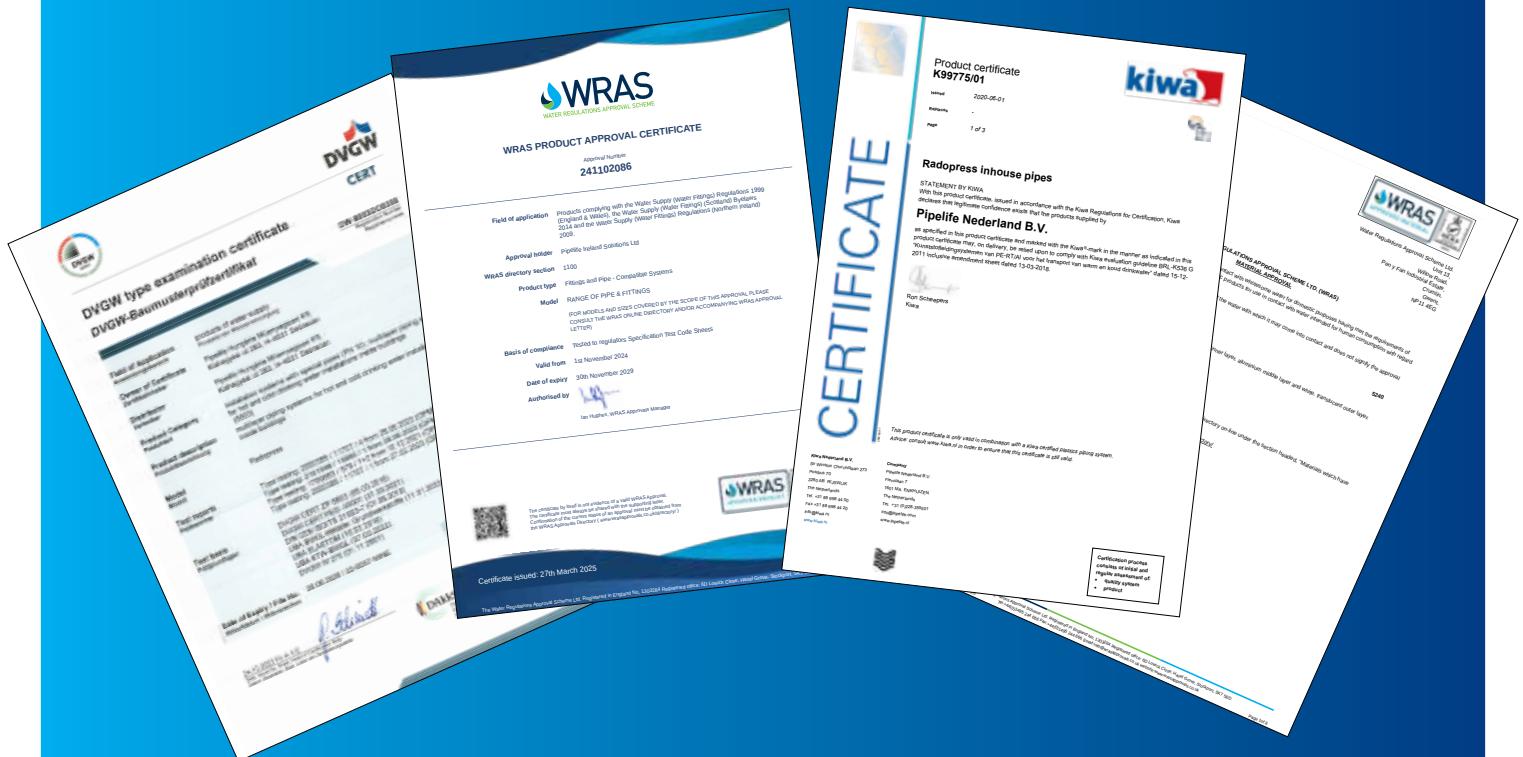




TRUSTWORTHY CONNECTIONS WITH

Qual-PexML Pro

CERTIFICATION



Our Pipe & Fittings ensure safety, compliance, and quality so you can provide assurance that they meet strict public health, performance, and material standards.

Third-party testing to confirm suitability for intended use is especially for critical applications like drinking water, and helps mitigate risks from leaks and failures.

For more information please visit Pipelife.ie

E-mail: Ireland@pipelife.com

Call the Pipelife Sales office on +353 21 4884700

PIPELIFE ECO TRAINING ACADEMY

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- Mechanical Extract Ventilation
- Qual-Pex Plus+ Pipe & Fittings
- Qual-Press ML PRO Pipe & Fittings

Courses can also be structured to suit your requirements

CPD Accredited
Training Courses
also available for
Architects, Engineers,
Energy Assessors
etc.





28 manufacturing facilities across 24 countries and growing.
We are one of the world's leading providers of plastic pipe and heating
solutions and we provide current and future generations around the
world with safe, healthy and carefree living.

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