

uponor

FREQUENTLY ASKED



QUESTIONS



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WHAT IS UPONOR?

Uponor's multi-layer composite pipe (MLCP) is a pipe that unites the advantages of a plastic and a metal pipe, with a high degree of flexibility and toughness it also offers high pressure and temperature resistance. Uponor MLCP consists of 5 layers. Longitudinal welded aluminium with an inner and outer layer of high temperature resistant polyethylene & 2 adhesive layers. The MLCP is suitable for a variety of applications including radiator connections, floor heating & mains water supply.

WHAT ARE THE ADVANTAGES OF USING UPONOR?

Some advantages of using Uponor:

- **Safe & easy to install**
- **Quick installation (saves time & money)**
- **Lightweight pipe and tool**
- **No oxygen penetration due to the aluminium layer**
- **Flexible & tough**
- **No pipe snap back, will hold its shape**
- **Easy to bend**
- **Only one tool needed for pressing**
- **No expanding of pipe needed**
- **No welding or soldering**
- **Less fittings required**
- **10 year warranty**
- **Made in Germany**



IS UPONOR APPROVED?

Yes. All Uponor products have been approved by Australian Standards.

WHATS THE COST COMPARED TO COPPER?

Uponor is around half the cost of copper pipe. As seen in this price comparison done in July 2008.

COPPER	V'S	uponor
18m X ½" B Coil = \$124 inc GST		18m X ½" Coil = \$66 inc GST
100m X ½" B Coil = \$620 inc GST		100m X ½" Coil = \$365.20 inc GST

WHAT TOOLS DO I NEED?

There are 2 tools available from Hunt Heating. A manual tool that crimps 16mm & 20mm pipe and a battery powered tool. The easy to use battery tool will fit 16mm,20mm,25mm & 32mm jaws which makes crimping a breeze. Each crimp takes only 4-5 seconds. Other Uponor tools available are beveling tools, bending springs, pipe cutters & more. Check with your Uponor sales representative for package prices & additional tool information.

WARRANTY?

A 10 year warranty applies when correct installation procedures are met.

WATER MARKED?

Yes. Uponor is fully water marked & can be used for hot & cold water suitable for drinking.

WHAT PIPE SIZES ARE AVAILABLE?

16mm (O/D) x 100m Coils
20mm (O/D) x 100m Coils
25mm (O/D) x 50m Coils
32mm (O/D) x 5m Lengths & 50m Coils

WHAT ARE THE FITTINGS MADE OF?

The fittings are available in PPSU Plastic (POLYPHENYLENESULFONE) or DR Brass. The DR Brass fittings have been made and designed specifically to prevent electrolysis ever occurring. The PPSU fittings are very lightweight & strong which makes them suitable for all applications.

IS UPONOR UV STABLE?

There is a certain UV stabilizer in the pipe which protects the pipe against UV light. The outside of the pipe will turn yellowish after being exposed to the sun for a long period of time. As a result, we recommend to coat the pipe with a UV paint or protect it using our insulation if used outdoors.

HOW LONG DOES UPONOR LAST?

Uponor multi-layered composite pipe has a minimum life expectancy of 50 years with correct use.

The logo for Uponor, featuring the word "uponor" in a bold, blue, lowercase sans-serif font.

MAXIMUM WATER TEMPERATURE & PRESSURE?

The maximum water temperature is 95°C with a maximum continuous operating pressure of 10 bar at 70°C.

IS UPONOR COMPATIBLE WITH OTHER SYSTEMS?

Uponor pipe can be joined with copper and other pipe materials when the correct fittings are used. (copper connectors available from Hunt Heating) Uponor's mini crimping jaws can be fitted to the Klauke mini tool for crimping Uponor.

Important: Please check with your Uponor sales representative first before using different brands of tools for crimping Uponor, as certain other tools can be used.

CAN I BEND UPONOR USING A BENDING SPRING?

Yes. Uponor is very flexible and tough. For tight neat bends the pipe can easily be bent with the use of internal or external bending springs.

WILL THE PIPE HOLD ITS SHAPE AFTER BENDING?

Yes. The pipe is designed so that the aluminium layer neutralises the snap-back forces of the plastic material, enabling easier pipe installation with minimal effort. The strength of the pipe also reduces the clipping distances where a bend has been made.

WHERE IS UPONOR MADE?

Uponor is made in Germany. The company was established in 1965 in Finland. Uponor are the market leaders in pipe manufacturing today. Their multi-layered composite pipe has been in use across Europe for years and Uponor pipe sales are heading towards the second billion metres. Uponor is currently selling across 100 countries.

CAN UPONOR BE CONNECTED DIRECTLY TO A BOILER?

Yes. You can connect Uponor directly to a boiler with the correct fittings. The pipes maximum temperature rating is 95°C. Ask your Uponor sales representative for further information.

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HOW DO I STRAIGHTEN THE COILS OF PIPE?

Uponor can be rolled out in the same fashion as copper. Other methods are easy with the Uponor pipe feeder and the Uponor pipe straightener. The pipe straightener can be attached to the pipe feeder so you can pull the pipe to your desired length before you cut.

IS THERE A NEED TO SUPPORT A BEND IN THE PIPE?

Uponor is flexible and tough. Once a bend has been made the pipe will stay in place, thanks to the inner layer of aluminium giving the pipe its strength and structural support.

CAN I USE UPONOR FOR UNDER FLOOR HEATING?

Yes, Uponor MLCP can be used for a wide range of floor heating applications. For further information please contact your Uponor sales representative.

IS IT NECESSARY TO USE A BEVELLING TOOL AFTER I CUT THE PIPE?

Yes. You must always remove the burred edge with a beveling tool after cutting the pipe. This process also assists when pushing the fitting onto the pipe and also helps to avoid any potential damage or movement of the o-rings.

DOES UPONOR HELP WITH WATER HAMMER?

Yes. Using Uponor will eliminate water hammer noise & vibrations. When the pipe moves it will absorb the shock & noise of a sudden shut off commonly associated with copper pipe installations.

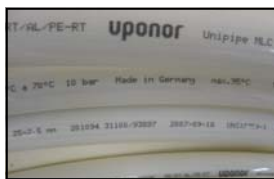
WHAT IS THE MAXIMUM CLIP DISTANCE FOR EACH PIPE SIZE?

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Pipe dimension OD x s [mm]	Maximum mounting distance between pipe clips L		
	horizontal		vertical [m]
	Coil [m]	Straight length [m]	
16 x 2.0	1.20	1.60	1.70
20 x 2.25	1.30	1.60	1.70
25 x 2.5	1.50	1.80	2.00
32 x 3.0	1.60	1.80	2.10

THE MOST COMMON FITTINGS FOR HYDRONIC HEATING INSTALLATIONS.

Part #	UPONOR MLC PIPES
700163	16mm x 100 metre Coil
700200	20mm x 100 metre Coil
700250	25mm x 50 metre Coil
710320	32mm x 5 metre Straight
700320	32mm x 50 metre Coil



Part #	PPSU 90° ELBOW
012120	PPSU 90° Elbow 16 x 16
014140	PPSU 90° Elbow 20 x 20
015150	PPSU 90° Elbow 25 x 25
016160	PPSU 90° Elbow 32 x 32



Part #	PPSU EQUAL COUPLING / JOINER
042120	PPSU Coupling Equal 16X16
044140	PPSU Coupling Equal 20X20
045150	PPSU Coupling Equal 25X25
046160	PPSU Coupling Equal 32X32



Part #	PPSU REDUCING COUPLING
044120	PPSU Reducer 20X16
045120	PPSU Reducer 25X16
045140	PPSU Reducer 25X20
046140	PPSU Reducer 32X20
046150	PPSU Reducer 32X25



Part #	PPSU REDUCING TEE
032142	PPSU Tee Reducer 16X20X16
034122	PPSU Tee Reducer 20x16X16
034124	PPSU Tee Reducer 20X16X20
034142	PPSU Tee Reducer 20X20X16
034154	PPSU Tee Reducer 20X25X20
035122	PPSU Tee Reducer 25X16X16
035124	PPSU Tee Reducer 25X16X20
035125	PPSU Tee Reducer 25X16X25
035144	PPSU Tee Reducer 25X20X20
035145	PPSU Tee Reducer 25X20X25
036126	PPSU Tee Reducer 32X16X32
036146	PPSU Tee Reducer 32X20X32
036155	PPSU Tee Reducer 32X25X25
036156	PPSU Tee Reducer 32X25X32



Part #	PPSU EQUAL TEE
032122	PPSU Tee Equal 16X16X16
034144	PPSU Tee Equal 20X20X20
035155	PPSU Tee Equal 25X25X25
036166	PPSU Tee Equal 32X32X32



Part #	RADIATOR VALVE CONNECTORS
ART.696 16x12	Pintossi Connector 16 x 12
1013978	Heimeier Connector 16 x 12
R179MX014	Giacomini Connector 16 x 16/12
ART.363 16	Plastic Cover Plates
5094.1316	Jaga Connector M24 x16/2



Part #	PRESSURE TEST PLUGS
760416	Re-Usable Test Plug 16mm
760420	Re-Usable Test Plug 20mm
760425	Re-Usable Test Plug 25mm
760432	Re-Usable Test Plug 32mm



Part #	ONE USE CRIMP STOP ENDS
1007078	Pressure Stop End 16mm
1007079	Pressure Stop End 20mm
1007080	Pressure Stop End 25mm
1007081	Pressure Stop End 32mm



Part #	DR BRASS CONNECTOR FT
902320	DR Connector 16 X 1/2" FT
904330	DR Connector 20 X 3/4" FT
904340	DR Connector 20 X 1" FT
905330	DR Connector 25 X 3/4" FT



Part #	DR BRASS CONNECTOR MT
902220	DR Connector 16 X 1/2"MT (10)
904220	DR Connector 20 X 1/2"MT (10)
904230	DR Connector 20 X 3/4"MT (10)
904240	DR Connector 20 X 1"MT (10)
905230	DR Connector 25 X 3/4"MT (10)
905240	DR Connector 25 X 1"MT (10)
906240	DR Connector 32 X 1"MT (10)
906250	DR Connector 32 X 1 1/4"MT (10)



Part #	DR BRASS SCREW CONNECTION FT
952520	DR Screw Connect 16X3/4" FT (10)
954520	DR Screw Connect 20X1/2" FT (10)
954530	DR Screw Connect 20X3/4" FT (10)
955540	DR Screw Connect 25X1" FT (5)
956550	DR Screw Connect 32X1 1/4" FT (10)





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