

FREEDOM
TO DELIVER
GREAT



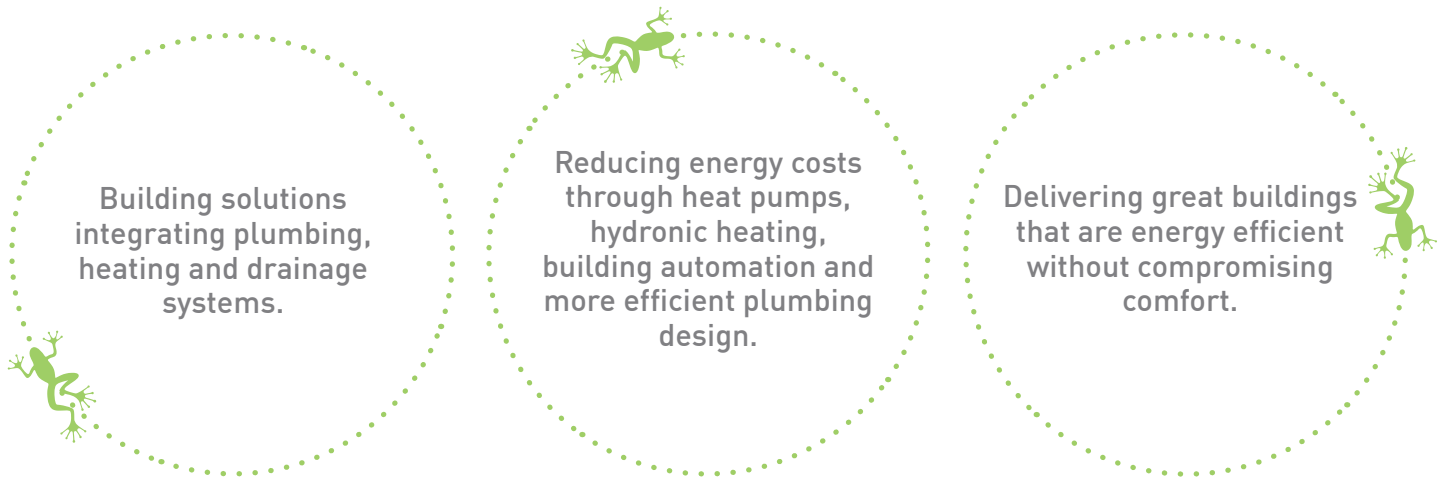
Welcome to LEAP:

LEAP aims to make life better, for people and the environment by producing innovative, sustainable, environmentally responsible water and energy systems that deliver superior performance, without costing the earth.

LEAP brings together the plumbing, heating and home automation systems you need to make your home the best possible living environment it can be.



THE LEAP DIFFERENCE



Great plumbing, heating and infrastructure systems do not have to cost the earth; financially or environmentally.

LEAP supplies products and solutions that are water and energy efficient for both homes and commercial buildings.

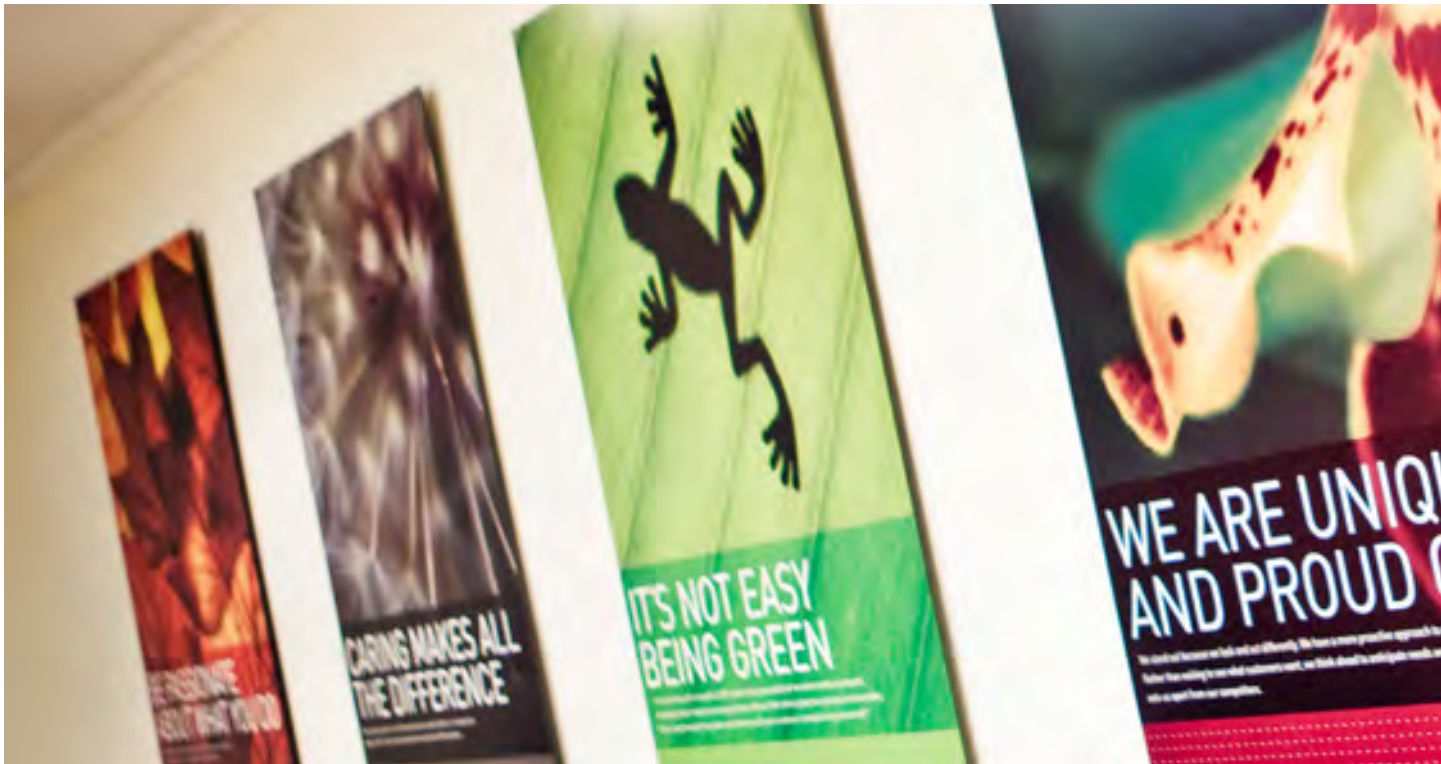
LEAP aims to provide builders, architects, specifiers and installers with products and solutions that give them the freedom to customise, design and install great plumbing and central heating systems.

Better buildings have excellent water delivery and efficient heating systems; the result of smart design incorporating sustainable robust and well designed solutions.

LEAP  **FREEDOM TO
DELIVER GREAT.**

OUR VALUES AND OUR PROMISE

Our values are our promise - to you, our community and to our environment



ONE.

BE PASSIONATE ABOUT WHAT YOU DO.

Our first value is passion. LEAP is about being motivated and driven to tackle and solve problems. We enjoy what we do and we're passionate about being the best at it.

TWO.

CARING MAKES ALL THE DIFFERENCE.

We care about customers' lives. We know what we do can make a difference, so we always take people's comfort, safety, security and pockets into account when offering solutions.

THREE.

IT'S NOT EASY BEING GREEN.

It may not be easy, but it's essential. LEAP is about taking responsibility for the environment by sourcing and developing products that are more energy and water efficient. When thinking about new products, we ask ourselves, "Is this a step forward for the greater environment as well as our customers' immediate living environment?".



FOUR.

WE ARE UNIQUE – AND PROUD OF IT.

We stand out because we look and act differently. We have a more proactive approach to customer service. Rather than waiting to see what customers want, we think ahead to anticipate needs and provide solutions. This sets us apart from our competitors.

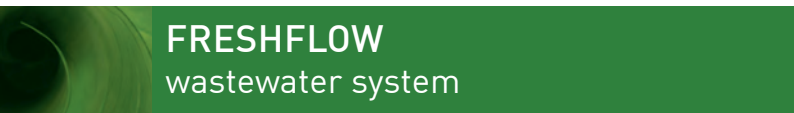
FIVE.

CHALLENGE YOURSELF.

Our attitude is all about looking for new solutions to old problems – otherwise known as ‘challenging the status flow’. We constantly look to make improvements, both in our product and to our customers. We’re determined. We keep asking questions and never give up at the first hurdle.

OUR PRODUCTS

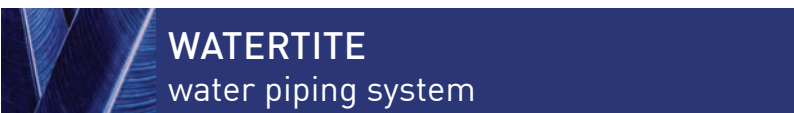
Partnering with leading multi-national companies, LEAP has products to suit your plumbing, heating, cooling or infrastructure project.



FRESHFLOW
wastewater system



GASTITE
gas piping system



WATERTITE
water piping system



HEP₂₀
flexible push-fit plumbing system



TIGRIS K1
commercial piping system



SITECH+
polypropylene soil and waste



LEAP's no obligation design service can help you establish solutions best suited for your commercial project.



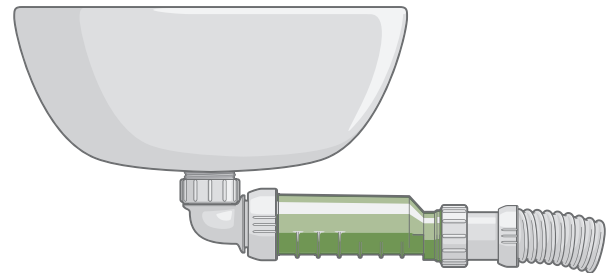
All LEAP products are designed to be installed individually or integrated as a solution.

FRESH FLOW

WASTEWATER SYSTEM

HYGENIC, ODOUR-FREE REMOVAL OF WASTEWATER

- PREVENTS ODOURS ESCAPING
- HYGIENIC
- RELIABLE AND EFFECTIVE
- SAVES SPACE
- GREATER DESIGN FLEXIBILITY
- TESTED AND APPROVED
- MORE EFFICIENT PIPING



FRESHFLOW is a new space-saving design to discharge wastewater hygienically without any odour and contamination from the wastewater system. FRESHFLOW combines the advanced HEPv0 self-sealing waterless waste valve with easy-to-install flexible HEPFLEX Waste piping. This innovative system replaces space-hungry S or U traps with a hygienic valve which opens to allow waste water through, then closes, forming a tight seal to stop odours re-entering a room. It provides an effective and reliable barrier against sewer gases escaping into a building.

Water held in traditional traps can stagnate, resulting in the build-up of waste material – particularly under less frequently used fixtures. This in turn can cause bacterial or fungal growth that can escape back into your home. Because it's water free, FRESHFLOW'S HEPv0 valve doesn't promote this build up.

FRESHFLOW's compact size and in-line design also allows more flexibility when it comes to positioning fittings. Designers can enjoy greater flexibility in designing a wastewater system using FRESHFLOW's HEPv0 valve because they don't have to work to safety margins required to avoid the possible loss of a water seal.

Accommodating the bend of a traditional trap often requires cutting through shelves or floors. With

FRESHFLOW's HEPv0 valve, piping can be installed in a straight line or at a neat 90° angle from the fixture's outlet.

The unique HEPv0 valve is complemented by a flexible, smooth-bore piping system that can virtually 'go anywhere' easily and quickly. It's continuous, needing fewer fittings and connections.

Together, the FRESHFLOW system offers a smarter alternative to traditional waste systems, providing modern, hygienic and flexible solutions for any situation.

PLEASE NOTE: This information is only a summary. Your plumber will need to contact a LEAP supplier for a copy of the Installation Manual which has other important information.

GASTITE

GAS PIPING SYSTEM

HIGH INTEGRITY, HIGH PERFORMANCE GAS PIPING SYSTEM

GASTITE from LEAP is a composite piping system designed to offer installers and end users the benefits of both metal and plastic. GASTITE pipe is a five layer system with an inner layer of cross-linked polyethylene (PE-X), then an adhesive layer, a welded aluminium layer, another adhesive layer and finished outer layer of cross linked polyethylene (PE-X). GASTITE fittings are manufactured from DR brass. The stainless steel press ring has two witness holes and is fitted to the body of the fitting using a plastic retainer. Sealing against the escape of gas are two o-rings designed specifically for use with gas. All pipe and fittings are manufactured using the latest extrusion, moulding and machining techniques to ensure a perfect connection every time, providing you with a system that is superior than most conventional pipe systems with a design life in excess of 50 years.

GASTITE FEATURES

Corrosion free	Wide range of compact DR brass fittings
50 Year design life	Pipe fittings and tools compatible with WATERTITE
Light, strong and robust	Quality appraised
Double O-ring seal	Manual and power tools for easy and quick installation

KEY INFORMATION

- GASTITE piping systems should only be installed by a qualified and licensed gasfitter.
- GASTITE should always be installed in accordance with the New Zealand/Australian Building Code and Gas Installation Code (AS/NZS 5601) and any local gas authority requirements.
- GASTITE should NOT be used when exposed to petroleum solvents.
- GASTITE piping must be shielded or painted to protect from UV light.
- GASTITE is manufactured and certified to AS4176.
- GASTITE pipes must be bent using appropriate bending tools.
- GASTITE pipe must be reamed and bevelled using appropriate reaming tools.
- GASTITE pipe and fittings must always be installed using a GASTITE tool.

WATERTITE

WATER PIPING SYSTEM

HIGH INTEGRITY, HIGH PERFORMANCE PEX WATER PIPING SYSTEM

WATERTITE from LEAP is a high integrity and high performance piping system designed to offer installers the benefits of a high temperature and a flexible non-metallic pipe. WATERTITE pipe is manufactured using cross-linking technology first developed in Europe and performs in ways that provide superior reliability, durability and safety. All pipe and fittings are manufactured using the latest extrusion, moulding and machining techniques to ensure a perfect connection every time, providing you with a system that is superior than most conventional pipe systems with a design life in excess of 50 years.

WATERTITE FEATURES

Corrosion free

50 Year design life

Light, strong and robust

Pipe fittings and tools compatible with GASTITE

Wide range of compact DR brass fittings

Burst pressure up to 70 bar

Quality appraised

Manual and power tools for easy and quick installation

PIPE CONNECTION SYSTEMS



PUSH FIT FITTINGS FOR
CONNECTING BOTH MULTILAYER
PEX AND MONOLAYER PEX PIPE



COMPRESSION SLEEVE FITTINGS
FOR CONNECTING MONOLAYER
PEX PIPE ONLY



PRESS SLEEVE FITTINGS FOR
CONNECTING BOTH MULTILAYER
PEX AND MONOLAYER PEX PIPE

PIPE SYSTEMS



MULTILAYER PEX PIPE
(PEX-AL-PEX)



MONOLAYER PEX PIPE
(PEX-A or PEX-B)

HEP₂O

FLEXIBLE PUSH-FIT PLUMBING SYSTEM

HIGH INTEGRITY, HIGH PERFORMANCE POLYBUTYLENE PIPES AND FITTINGS

Hep₂O from LEAP has evolved over 20 years to become the leading flexible push-fit plumbing system for hot and cold water. Flexible polybutylene in conjunction with straight coils enables pipe to be cabled into position, meaning fewer joints and minimised installation and alteration costs. The Hep₂O fitting incorporates the high integrity grab wedge and robust pre-lubricated 'O' ring, offering the installer smoother pipe insertion and lower jointing forces. The grab wedge is reusable and gives reliable jointing even when the fitting has been dismantled and reassembled.

HEP₂O FEATURES

Better cabling ability	Corrosion free
Less jointing	Measure and cut in-situ
Low wastage	No scale build-up
High resistance to impact	Reduced chance of pipes bursting due to freezing
Rotatable fittings	Quiet
Reusable fittings	Cool to touch

KEY INFORMATION

- Hep₂O should always be installed in accordance with AS3500 National Plumbing Code.
- Hep₂O does not corrode or cause "blue water" in soft water areas or scale up in hard water areas.
- Hep₂O minimises water hammer and provides a quiet plumbing system.
- Hep₂O is manufactured to AS 2642 Parts 2 & 3 Polybutylene Pipe Systems.
- Hep₂O must be shielded or painted to protect from UV light when used externally for extended periods.
- Hep₂O is a full bore plumbing system complying with Table 1 of AS3500 Part 1.2.
- Hep₂O should not be used when exposed to petroleum solvents at any time.
- Hep₂O should not be used in continuously circulating hot water loops above 60°C without consultation.

PRESSURE TEMPERATURE RATING

TEMPERATURE	20°C	40°C	60°C	70°C	80°C	95°C
PB Class 16 (kpa)	1600	1370	1050	880	740	490

These ratings are working pressures not failure pressures.

TIGRIS K1

COMMERCIAL PIPING SYSTEM

PRESS FIT PLUMBING SYSTEM FOR POTABLE WATER AND HEATING

Tigris K1 is a press-fit plumbing system designed for potable water, sanitary and heating applications. With WRAS, DVGW and KIWA approvals and certification to EN-ISO 21003 and BS 6920:2000, it is ideally suited for installation on commercial projects such as educational establishments, apartment blocks and hotels.

The Tigris K1 system comprises multilayer composite pipe and high quality polyphenylsulphone (PPSU) fittings with a fixed stainless steel sleeve, in sizes (outside diameter) 16mm, 20mm, 25mm, 32mm, 40mm, 50mm, 63mm and 75mm. Fittings are compressed onto the pipe using a battery or mains-powered press-fit tool in an operation that takes a fraction of the time of traditional soldering techniques.

Already widely specified and accorded a design award in Europe, Wavin Tigris K1 is the proven and perfected system for commercial plumbing and heating projects.

FEATURES AND BENEFITS

The Tigris K1 system offers a number of advantages when compared to both traditional materials and similar products:

- Patented hexagonal head shape means low insertion force is required at assembly
- Due to the flexible nature of multilayer pipe, Tigris K1 requires minimal fittings thereby reducing installation time and cost and improving flow rates
- Metal layer in the pipe means it is resistant to oxygen diffusion and dimensionally stable
- Thermal expansion is comparable with copper
- Plastic layers in the pipe mean it is flexible and corrosion resistant
- High resistance to scale build-up and stress-cracking
- High pressure and temperature resistance
- Quick, simple and safe jointing method resulting in installed cost savings when compared to traditional systems
- Defined leak function to reveal unpressed fittings at pressure test
- Proven press-fit technique, with no soldering, welding or thread-cutting required and no costly hot works insurance permits needed.
- Metal layer in pipe can be detected in walls or floors through the use of a detecting device
- Light in weight, particularly in comparison to screwed steel products
- 25 year guarantee

SITECH+

POLYPROPYLENE SOIL AND WASTE

ROBUST LOW NOISE, MINERAL REINFORCED SOIL AND WASTE SYSTEM

Wavin SiTech+ is a mineral reinforced polypropylene (PP) soil and waste system. The system offers increased robustness, low-noise properties and improved ease of installation.

We have increased the weight of the fittings by 20% for improved acoustic comfort during water flow. Its flexible connectivity and push-fit system makes SiTech+ a complete plug and play solution for waste water discharge in buildings.

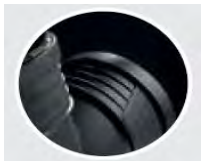
Quality of living is an important consideration in building design. A reduction of noise in water discharge systems improves end-experience in both living and working environments.

Wavin SiTech+ meets the latest construction requirements and fulfills customers' demand for increased comfort and quality.



Less Noise

20% heavier fittings set a new market standards in this segment. SiTech+ is a high performance system that reduces the acoustics of water flow



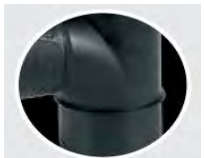
Easier to install

Ribbed fittings provide enhanced grip for easy installation in complex environments. SiTech+ is perfect for any project, from small renovations to large-scale construction jobs.



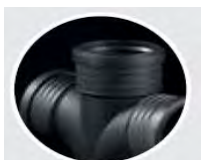
Angular rotation guidance

Fittings have different markings at 15 and 45 intervals for easy alignment. SiTech+ makes it easy to align fittings which need to be positioned at a rotated angle.



Insertion depth check

Ribs on the spigots of the fittings check complete insertion into the socket. These easily visible SiTech+ markings can also confirm the exact 10mm space needed to cope with thermal expansions at long pipe lengths.



New Black colour

The new black colour adds to the durability and robustness of SiTech+. The black colour improves protection against UV radiation when stored outside at a building site. Furthermore the matte black finish is less sensitive to dirt and gives the system a professional appearance.

APPLICATION

Wavin SiTech+ meets all standards set for soil & waste discharge systems (EN 1451-1), including noise reduction and fire resistance (EN 13501-1). The emitted noise level of SiTech+ is measured by the Stuttgart Fraunhofer Physical Constructions Institute (DIN EN 14366).

Wavin SiTech+ is the ideal solution for installation in multi-storey building and those that are particularly sensitive to noise like apartment buildings, hotels, offices, hospitals, elderly homes and libraries.

Wavin SiTech+ can be used for water discharge at temperatures up to 90°C, with peaks of to 95°C for short periods. It can also be used at low temperatures up to -20°C. This durability makes it an ideal solution for extreme-temperature drainage areas such as kitchens, laundromats and industrial waste environments.

Please contact Wavin if you have any questions about particular application environments.

The system is offered in a full range of diameters:

- 50 mm
- 75 mm
- 90 mm
- 110 mm
- 125 mm
- 160 mm
- 200 mm (Without Socket)

SPECIAL FITTINGS

The Wavin SiTech+ portfolio includes specialized fittings for easier and more efficient installation and use, particularly in areas where space is limited.

Swept branches, as compared to sharp angle fittings, allow water to run more smoothly while reducing overall noise levels, improve the ventilation and increase the flow rate.

The new design of access pipes makes inspection easier.



OUR SYSTEMS

LEAP systems easily integrate into new and existing buildings to improve your living environment.



LEAP's free no obligation design service can help you establish which solutions best suit your project, budget and lifestyle.

THERMAGENIUS

heat pump water heating

TERRATHERM

hydronic underfloor heating

RADIATHERM

hydronic radiator heating

BLAZESTOP

home fire sprinkler system

MANIFLOW

advanced manifold plumbing



THE LEAP JOURNEY

The LEAP journey is a collaborative process. We talk to you, as well as your architect, builder and plumber to ensure your water and energy plan is designed, planned and installed correctly for optimal performance.

YOU CALL US

To discuss your project and your needs.

WE REVIEW YOUR HOUSE PLANS

Plans can be sent to us in any form, from a sketch to full architectural drawings, either in electronic or paper form.

WE PROVIDE AN INITIAL DESIGN & PRICE ESTIMATE

There is no charge for this service and no obligation.

DETAILED WORKING DRAWINGS

Detailed working drawings and final pricing are prepared by our design team.

INSTALLATION

We can arrange for the complete installation of the systems by a LEAP Accredited Installer, or fully support a plumber of your choice.

ONGOING SUPPORT

You can call us at any time for support and advice on your LEAP system.

Easy? We think so.

Contact us on 1800 666 952 or via email at info@leapltd.com.au and we'll get you on the road to a smarter home.



All LEAP systems are available to you individually or integrated.

THERMAGENIUS

HEAT PUMP WATER HEATING SYSTEM

USES RENEWABLE ENERGY TO HEAT WATER

- **RETROFITTING** to existing hot water systems is easy and inexpensive. A THERMAGENIUS Integral Heat Pump Water Heater also offers a quick and easy conversion from gas systems.
- **USES FREE NATURAL ENERGY** from the air to heat water efficiently, reducing hot water heating costs by up to 60%.
- **FEW MOVING PARTS** reducing wear and tear and maintenance costs.



- **LARGE HOT WATER CYLINDER (270L)** combined with a Heat Pump Water Heater makes for a great water heating solution – and can be installed outside your home (subject to the ability to complete necessary plumbing work).

THERMAGENIUS Integral Heat Pump Water Heater extracts renewable energy stored in the air to heat water. THERMAGENIUS is not dependent on weather and operates throughout the year even during cold winter nights. With high efficiencies, payback on a THERMAGENIUS can be very quick.

Unobtrusive, easy to install and cheap to run, a THERMAGENIUS Integral Heat Pump Water Heater is a smart way to provide hot water for the home. The only energy used by a THERMAGENIUS is electricity to power the pumps – electricity that delivers between 2 and 4 times its value in heat output.

THERMAGENIUS Integral Heat Pump Water Heaters are air-source models. Air-source heat pumps extract heat energy stored in the air. They operate like a refrigerator

in reverse, transferring low temperature energy to a refrigeration loop, compressing the refrigerant to high temperatures, and transferring this heat to the hot water systems.

The THERMAGENIUS Integral Heat Pump Water Heater is an impressive new model, containing a 270 litre enamel lined steel Hot Water Cylinder integrated into the unit. A THERMAGENIUS Integral Heat Pump Water Heater makes conversions from gas water heating simple, easy and affordable.

WHY IS A THERMAGENIUS INTEGRAL BETTER?

EFFICIENT

A THERMAGENIUS Integral Heat Pump Water Heater draws approximately 1/3 to 1/4 of the electricity of standard electrical hot water elements for the same amount of heating, reducing utility bills and greenhouse gas emissions accordingly (depending on ambient temperature and humidity, and incoming water temperature). Heat pumps are more efficient than gas and electric resistance heating.

COP's (Coefficients Of Performance) for THERMAGENIUS Heat Pumps range from 2 to 4 compared to 1 for a resistance heater and 0.7-0.95 for a fuel-powered boiler.

A THERMAGENIUS offers users superior performance even on the coldest days of winter.

CONNECTS TO EXISTING PLUMBING

A THERMAGENIUS Integral Heat Pump Water Heater can be easily retrofitted or connected to existing plumbing. Converting from a gas system is easy with a THERMAGENIUS.

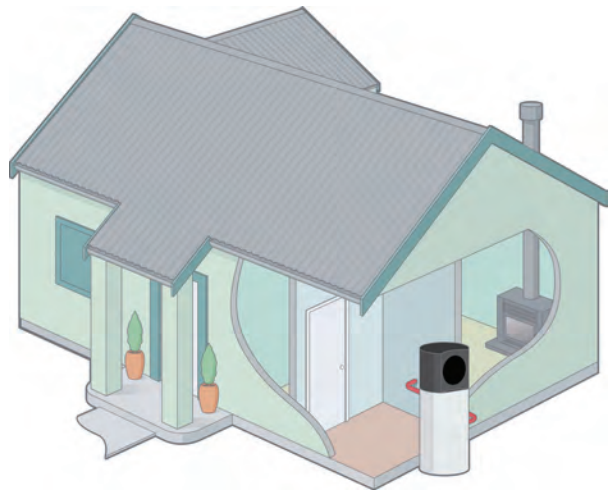
SUITABLE FOR COLD LOCATIONS

Some heat pumps can lose efficiency if they're installed in a region with temperatures typically falling to 5°C. This is because winter frost builds up on the outdoor heat exchanger coils, which prevents the unit from heating water efficiently. The THERMAGENIUS Integral Heat Pump Water Heater uses a highly efficient active de-icing method to stop this from occurring. An added benefit is that this method uses approximately 60% less energy than traditional de-icing systems.

AUTOMATED TO RUN EFFICIENTLY AND SAFELY

Multiple sensors and switches have been incorporated into a THERMAGENIUS Integral Heat Pump Water Heater to ensure the unit isn't damaged in the unlikely event of a malfunction. Such devices include compressor time delay protection (which ensures motor temperatures are correct during start phase), sensor fault protection for water, evaporator and ambient air temperatures and water flow protection to ensure adequate flow.

TECHNICAL DETAILS



GUARANTEED

Because of its unique design and construction, THERMAGENIUS Integral Heat Pump Water Heaters are guaranteed against material or manufacturing defects for 2 years comprehensive warranty and 7 years product warranty on water cylinders.

MODEL:	25C038
Maximum Water Temp:	60 °C
Rated Outlet Water Temp:	55 °C
Heating Capacity:	3.4kW
Heating Power Input:	0.94kW @15 °C Cambient
Rated Power Input:	2.63kW
Heating Current Input:	3.92A
Rated Current Input:	11A
Electric Booster:	1.5kW
Power Supply:	240V/1Ph/50Hz
Running Current:	<6A
Moisture Resistance:	IPX4
Electrical Shock Proof:	I
Refrigerant/Proper Input:	R134A/1450g
Water tank water pressure:	0.7MPa
Water tank max water pressure:	0.85MPa
Water inlet/outlet pipe:	¾ inch
Operation pressure (low):	1.3MPa
Operation pressure (high):	2.1MPa
Net Weight:	157kg
Dimensions (mm):	560 (D) x 1917 (H)
Tank Capacity:	270L
Noise:	<46dB(A)

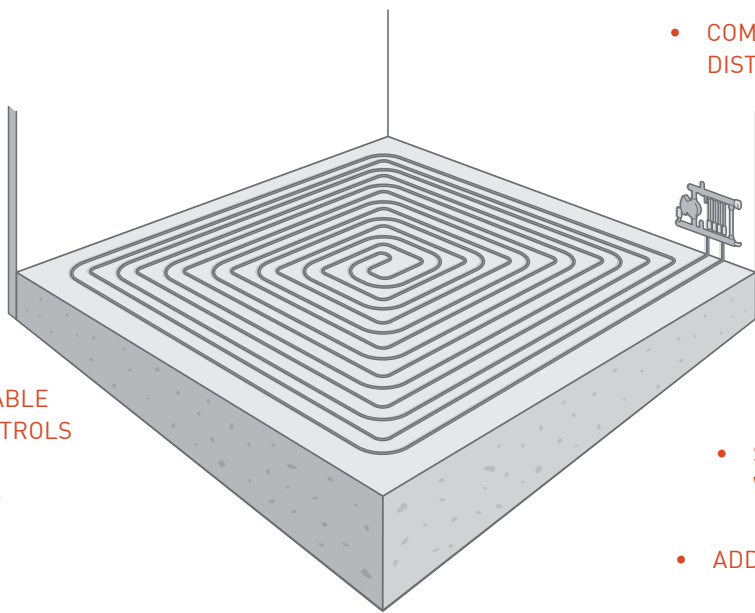
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TERRA THERM

HYDRONIC UNDERFLOOR HEATING SYSTEM

AFFORDABLE, DISCREET, RADIANT HEATING

- ENERGY EFFICIENT
- HEALTHY
- QUIET
- FULLY PROGRAMMABLE
ZONE BY ZONE CONTROLS
- BUILT IN, DISCREET
& UNOBTRUSIVE



- COMFORTABLE EVENLY
DISTRIBUTED RADIANT HEAT
- LOW MAINTANCE
- NO DRAFTS
- 50 YEAR GUARANTEE
- SAFE FOR CHILDREN
WITH NO HOT SURFACES
- ADDS VALUE TO YOUR HOME

Radiant heat is one of the most efficient forms of heating and TERRATHERM is a highly effective way to radiate comfortable, healthy warmth through your home. It works on the very simple principle of circulating hot water through flexible pipes under the floor. The system delivers warmth by radiant heat transfer and heats a room evenly, keeping the warmth in the lower part of the room where you need it the most.

With energy prices rising, economy in a heating system is increasingly important. Here too TERRATHERM delivers. It's zone by zone controls give you the flexibility to turn the heat off or down in individual rooms or areas of the house that you are not using, ensuring heat goes where and when it's needed. When connected to a THERMAGENIUS Heat Pump water heating system, TERRATHERM can also reduce heating costs by harnessing free natural energy from the air to heat the water. It also has the flexibility to be coupled with other heating sources such as solar systems, wetbacks and gas boilers.

The built in nature of TERRATHERM makes it discreet and unobtrusive. It's radiant energy also travels through space without needing drafts to push it. TERRATHERM is therefore silent with no noise from fans or airflow through ducts. Radiant systems like TERRATHERM also improve

the quality of the air in your home and are known to decrease the dust mite population in homes by 50% to 80%.

TERRATHERM is easy to install and requires minimal maintenance. The system is made from tough, durable materials and it's flexible pipe allows for zero joins in the pipework under the concrete. No joins, no leaks. LEAP offer a 50 year guarantee against defects in materials or manufacturing of TERRATHERM underfloor heating pipe.

TERRATHERM also adds value to your home as underfloor heating systems are becoming a highly desirable addition to any home.

PLEASE NOTE: This information is only a summary. Your plumber will need to contact a LEAP supplier for a copy of the Installation Manual which has other important information.

RADIA THERM

HYDRONIC RADIATOR HEATING

HYDRONIC AND HEALTHY HEATING



RADIATHERM builds on LEAP'S highly effective TERRATHERM system adding radiant heat to your home through radiator systems. RADIATHERM brings comfortable, healthy warmth to your home through a tried and true central heating system that has been popular in Europe for decades. RADIATHERM provides heat by circulating hot water through radiators on the walls in every room of your house.

Homeowners are discovering the benefits of hydronic heating – and increasingly they're turning to systems such as TERRATHERM and RADIATHERM to provide it. Radiant heat distributes heat evenly around a room, creating a wonderful sense of wellbeing that surrounds you – starting at ground level.

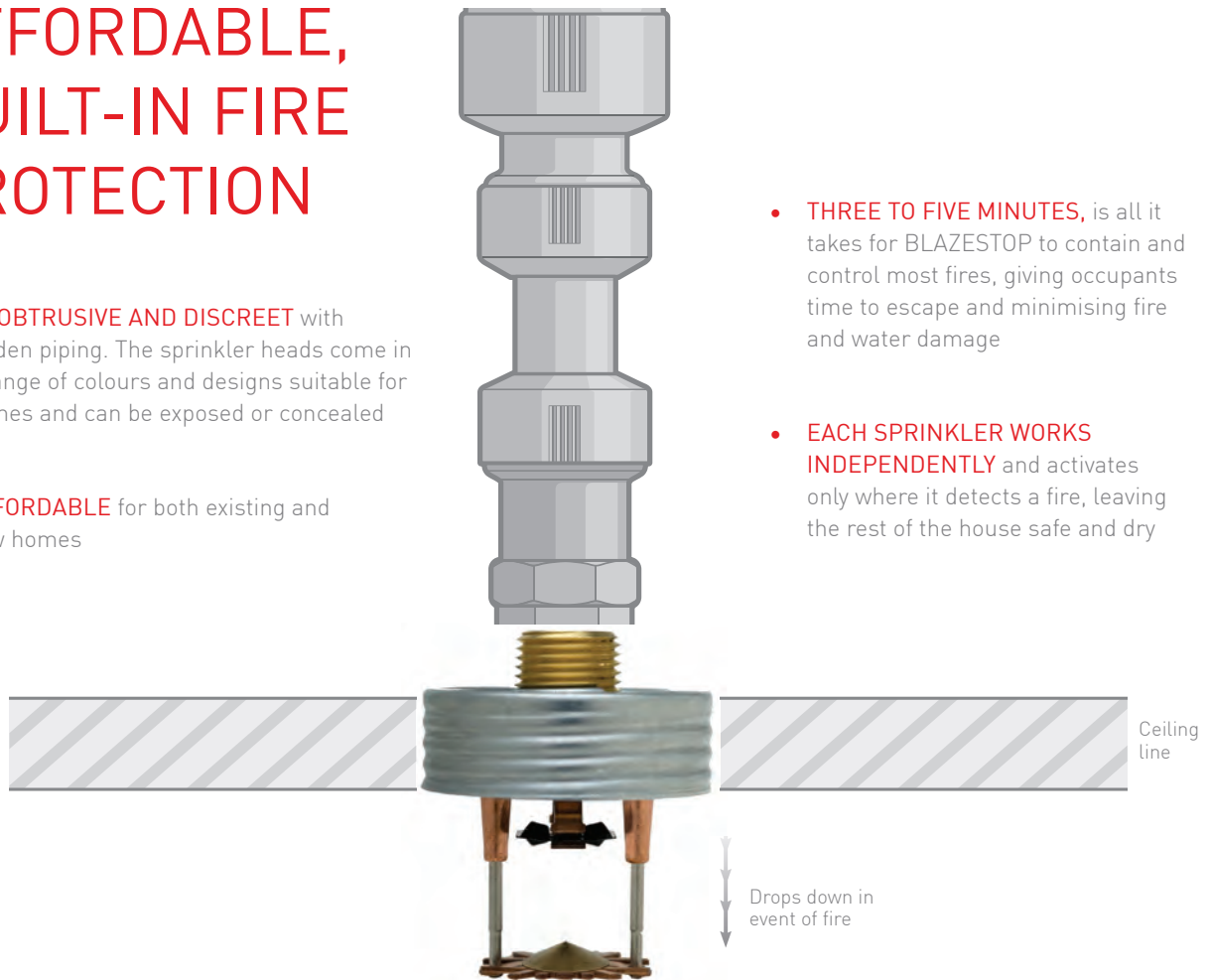
RADIATHERM is completely controllable, giving you total flexibility to turn the heat off (or down) in individual rooms or areas you are not using. Radiator systems also have a quick response time (dependent upon heat source) allowing, you to heat quickly and much more effectively than other heating systems.

BLAZE STOP

HOME FIRE SPRINKLER SYSTEM

AFFORDABLE, BUILT-IN FIRE PROTECTION

- **UNOBTRUSIVE AND DISCREET** with hidden piping. The sprinkler heads come in a range of colours and designs suitable for homes and can be exposed or concealed
- **AFFORDABLE** for both existing and new homes



- **THREE TO FIVE MINUTES**, is all it takes for BLAZESTOP to contain and control most fires, giving occupants time to escape and minimising fire and water damage
- **EACH SPRINKLER WORKS INDEPENDENTLY** and activates only where it detects a fire, leaving the rest of the house safe and dry

BLAZESTOP is an affordable sprinkler system linked to a domestic water supply, putting the reassurance of sprinkler protection within reach of private homeowners. Designed especially for the home environment, BLAZESTOP uses sprinkler heads concealed in the ceiling. Flexible, concealed piping makes retrofitting into homes easy and cost-effective. Made from durable polybutylene, it isn't affected by scaling, corrosion, or microbiological growth and doesn't transmit noise.

A fire in your home can be devastating, taking lives and destroying treasured possessions. Time is vital – a fire doubles in size every 30 seconds. That's why sprinkler systems are mandatory in many public buildings.

BLAZESTOP puts peace-of-mind sprinkler protection within reach of private homeowners, because it simply links to a normal domestic water supply. In fact, any registered plumber trained in the system can install it.

Reacting instantly to heat, the BLAZESTOP unit (or units) nearest a fire isolate and douse flames, getting water

where it's needed far faster than the Fire Service might – and in far smaller amounts than they would need to use.

BLAZESTOP can be installed wherever you need it and most rooms only need one sprinkler. Sprinklers come in a range of designs and colours designed especially to fit discreetly in a home setting, and all piping is concealed.

Depending on your home, BLAZESTOP can offer you protection against the catastrophe of fire for around the same price you'd pay for a major appliance.

WHY BLAZESTOP IS BETTER

INDIVIDUAL ROOM RESPONSE

BLAZESTOP is triggered by heat, not smoke, and doesn't rely on electricity. If the temperature in a room indicates fire, the sprinkler in that room activates instantly and automatically.

DOUSES FIRES FAST, MINIMISES WATER DAMAGE

By containing and controlling a fire in a single room, usually within three to five minutes, there's less fire and water damage. Sprinklers use 40 to 80 litres a minute, compared to 700 litres a minute used by the Fire Service.

AFFORDABLE

BLAZESTOP fits into any new or existing residential plumbing system. No need for extensive new piping or a special water supply.

EASY TO INSTALL

BLAZESTOP is light and flexible, making it easy and cost-effective to install, even in hard-to-reach areas. Push-fit fittings don't need flame or heat-based jointing methods so they're much safer to work with, especially in restricted spaces.

50 YEAR GUARANTEE

BLAZESTOP pipes and fittings are guaranteed for 50 years against defects in material or workmanship (when they've been installed by accredited registered plumbers following approved guidelines).

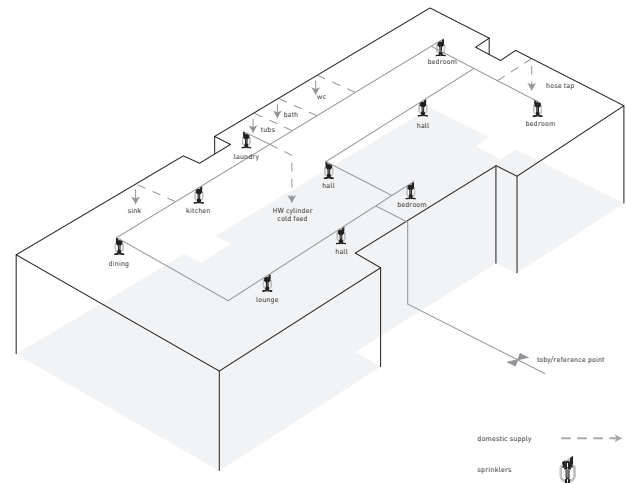
QUIET

BLAZESTOP has none of the water-related noises and water hammer associated with metal and rigid plastic systems.

UNOBTRUSIVE

Designed especially for the home environment. Concealed sprinkler heads set into the ceiling with only the decorative cover plates (flat or domed) visible.

TECHNICAL DETAILS



WATER SUPPLY

BLAZESTOP can be connected to either a local authority domestic water connection, or to a storage tank and pump system.

LOCATION

Ideally BLAZESTOP should be installed in as many rooms as possible. However, you may be able to dispense with outlets in voids or spaces above ceilings or below floors, toilets and bathrooms, garages that are connected directly to the home, wardrobes or cupboards.

PIPING AND WATER RETICULATION

Piping design must minimise dead-legs to sprinklers and fixed directly behind the sprinkler heads. BLAZESTOP does not require a backflow prevention device or inline pressure gauge.

The design must comply with AS2118.5-2008 and all other Australian local and nation building regulations.

POST-INSTALLATION TESTING

After installation, the system must be pressure tested at 1500kPa for at least 30 minutes, although the pressure may need to be reduced if other products are to be included in the test.

A MHD (Most Hydraulically Disadvantaged) Sprinkler verification test must be conducted to ensure that the design pressure and flow are achieved at the MHD sprinkler heads.

PLEASE NOTE: This information is only a summary. Your plumber will need to contact a LEAP supplier for a copy of the Installation Manual which has other important information.

MANIFLOW

ADVANCE MANIFOLD PLUMBING SYSTEM

THE WATER AND ENERGY EFFICIENT PLUMBING SOLUTION

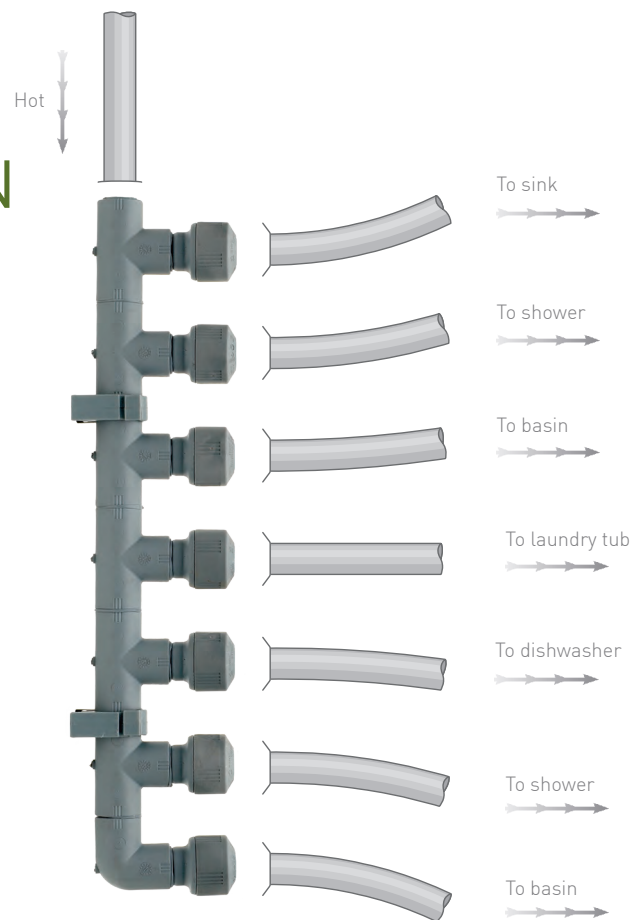
- ENERGY EFFICIENT
- REDUCES WATER WASTAGE
- REDUCES SUDDEN TEMPERATURE CHANGES
- MAINTENANCE FREE
- 50 YEAR GUARANTEE
- QUIET
- CLEAN AND SAFE

Water and energy are among today's most precious resources. With a MANIFLOW system you save both.

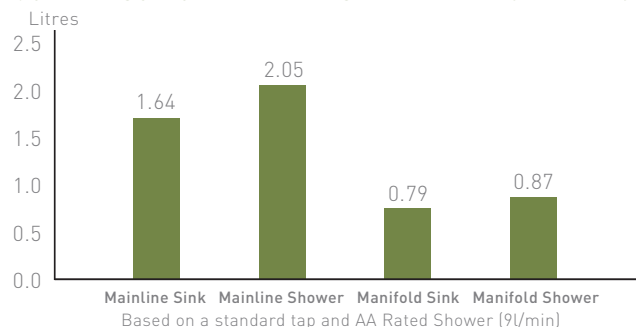
Manifold plumbing systems like MANIFLOW are now recognised internationally as the way forward in hot water distribution – for their superior performance, energy efficiency and water conservation. Conventional plumbing systems waste a significant amount of cooled water before hot water arrives at the tap. With a MANIFLOW system, each hot water outlet in your home has a dedicated pipeline from a central manifold near the hot water cylinder. Hot water goes straight where it is needed, and when you turn the hot tap off, there is less water left cooling in the large feeder pipes needed to serve multiple outlets in a conventional plumbing system.

A MANIFLOW system allows you to enjoy faster hot water supply, fewer temperature fluctuations when someone turns a tap on elsewhere in the house, and the reassurance of a leak free system guaranteed for 50 years.

MANIFLOW's flexible, smaller diameter polybutylene pipes provide better heat insulation and result in a quiet and efficient hot water system that eliminates water hammer and water noise. MANIFLOW also meets the toughest water quality standards in the world as it doesn't support microbiological growth, scale or corrosion even in aggressive water areas.



COMPARISON OF WATER WASTED AWAITING HEATING



PLEASE NOTE: This information is only a summary. Your plumber will need to contact a LEAP supplier for a copy of the Installation Manual which has other important information.

FOR MORE INFORMATION ABOUT LEAP CALL

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