



# WELCOME TO THE **BIG FREEZE!**

**Work Smarter, Not Longer**



# PIPE FREEZE!

## WHY FREEZE PIPES?

Arctic Hayes pipe freeze products enable repairs and maintenance of pipework without the need to drain down the whole system, saving time, effort and money.

Our pipe freeze products form a temporary ice-plug in the pipe so work can be carried out with minimum disruption.

## BENEFITS

- Reduces job time, on average, by 85% (based on a 2 hour drain down and refill).
- No need to locate stop-cock or service valves.
- Reduces potential for water spillage and property damage.





## **WE ALL NEED CLEAN AIR**

Arctic Hayes has made significant investment in product development, identifying methods to reduce CO<sub>2</sub> output and play an important part in reducing industry contribution to global warming.





# HORIZONTAL & VERTICAL

Being able to complete a freeze on both horizontal and vertical pipes, allows our pipe freezing kits to be used in most situations.

Most of our pipe freeze products can create simultaneous dual freezes, allowing for sections of pipe to be completely isolated. This means that valves, pumps or branches, can be added or removed with minimal effort or mess.



# WHAT PIPES CAN BE FROZEN?

Pipe Freeze products can be used on a range of pipes including:

**Copper** ✓ **Plastic** ✓ **Lead** ✓  
**Steel** ✓ **Iron** ✓

\*Please refer to the freeze guide for guidance on the amount of refrigerant and freeze times for the different pipe materials\*.

# WHEN SHOULD I USE PIPE FREEZE?

Pipe Freeze products can be used on a range of plumbing jobs without draining down the whole system.

## Uses Include:



Can be used for central heating repairs and installations



Installing & repairing stopcocks and service valves



Plumbing in washing machines or dishwashers



Cistern washer replacements



Installing shower units



Installing or replacing taps or washers

# WHICH KIT IS RIGHT FOR ME?

We offer a range of Pipe Freezing products starting from disposable freeze kits perfect for DIY jobs, PRO kits capable of dual freeze and Electrical kits for larger projects that need pipes isolating for a prolonged period of time.



**Aero:** Ideal for professional engineers or DIY use. These disposable kits contain enough refrigerant to perform one or two freezes up to 28mm (ZEK2 only). Suitable for changing radiator valves, stop-cocks, tap washers, showers and many other plumbing tasks.

[View the range \(pages 7-11\)](#)

**Pro:** The Pro range comes with extra features such as re-usable components and dual freeze capability. Pro kits are available in different models and can freeze pipes from 8mm to 61mm external diameter.

[View the range \(pages 14-21\)](#)



**Electric:** A comprehensive range of Electric Pipe Freeze Kits, for every application. Available in various models and voltages (110v & 230v), to freeze pipes from 8mm to 61mm external diameter.

[View the range \(pages 22-25\)](#)

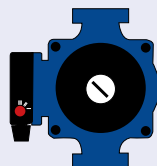


# HOW THE KIT WORKS?

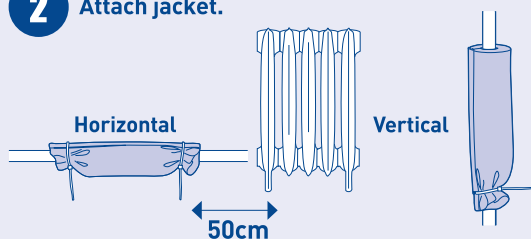
## Simple to use:

- 1 Before you start ensure that the circulation pumps have been switched off.

Switch OFF



- 2 Attach jacket.



- 3 Inject spray as per freeze guide.



- 4 Wait for 5 minutes for freeze to form, then start work.



Please refer to full instruction leaflet enclosed.



# AERO PIPE FREEZE

Used by professional engineers a portable aerosol solution, utilising a non-flammable refrigerant, Arctic Spray Aero kits are a cost effective way to complete a plumbing job



**Scan** to view Aero range, view technical specifications and watch 'How-To' videos

# AERO DISPOSABLE FREEZE KITS

SCAN ME!



## The original Arctic Spray pipe freezing kit.

Ideal for small single-use plumbing jobs.  
Suitable for a single freeze on 8-15mm  
horizontal or vertical pipes.

• **CODE: ZEK1**

## KIT CONTAINS

- 1 x Aero Pipe Freeze 150ml Can
- 1 x Arctic Spray Freezing Jacket

## KEY FEATURES

- Easy to use freezes pipes in minutes
- Portable and non-flammable
- Horizontal or vertical freeze
- No need to locate stop-cock or service valves
- Reduces job time, on average, by 85%



## The mid-size Arctic Spray pipe freezing kit.

Suitable for two small 15mm freezes or one  
larger 22 or 28mm freeze where more  
refrigerant may be required.

• **CODE: ZEK2**

## KIT CONTAINS

- 1 x Aero Pipe Freeze 300ml Can
- 2 x Arctic Spray Freezing Jackets

# AERO ELITE FREEZE KIT

**The largest available Arctic Spray pipe freezing kit.** Available with multiple reusable jackets. Two jacket sizes to allow a wider variety of work and three canisters of pipe freezer to perform more jobs, or longer jobs where more refrigerant is required. Suitable for multiple 8, 15, 22, 28 or 35mm freeze, with dual freeze capability on horizontal or vertical pipe.

• **CODE: ZELITE1**

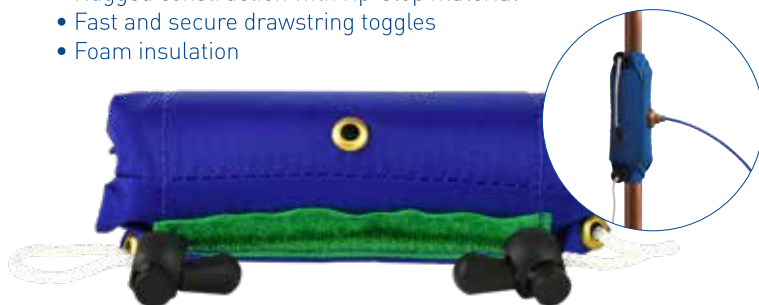
## KIT CONTAINS

- 3 x Aero Pipe Freeze 300ml Cans
- 2 x 8-20mm Freezing Jackets
- 2 x 22-35mm Freezing Jackets
- 1 x Sturdy Carry Case



## FREEZING JACKETS

- Rugged construction with rip-stop material
- Fast and secure drawstring toggles
- Foam insulation



For use on 8-20mm pipes.

• **CODE: ELITE820**



For use on 22-35mm pipes.

• **CODE: ELITE2235**



# AERO FREEZER SPRAY

Arctic Spray has been trusted by professionals for over 50 years. Freezes pipes in as little as 5 minutes with the ice-plug lasting up to 45 minutes.

- **CODE: ZE1** - 150ml Can
- **CODE: ZE2** - 300ml Can

## KEY FEATURES

- Low global warming potential
- Freezes pipes up to  $-50^{\circ}\text{C}$
- Save time, effort and money



Arctic Spray freezing jackets are intended for use with Arctic Spray Freeze Kits, suitable for all pipe materials.



For use on 8-28mm pipes.

- **CODE: ASM01**

# AERO FREEZING GUIDES

Guides are based on copper pipe work where pipes or ambient temperature is higher than 20°C, use at least 25% more Arctic Freeze Spray.

## ZE1 (150ml Can) FREEZE GUIDE

TYPE	PIPE Ø	DOSE PER FREEZE	PAUSE	ICE PLUG LIFE
Copper	8 - 12mm	1 Can	5 mins	30-35 mins
	15mm (½")	1 Can	5 mins	30-35 mins
	22mm (¾")	2 Cans	5 mins	30-35 mins
	28mm (1")	2 Cans	5 mins	20-30 mins
Steel Lead Iron	15mm (½")	1 Can	5 mins	30-35 mins
	22mm (¾")	2 Cans	5 mins	30-35 mins
	28mm (1")	2 Cans	5 mins	20-30 mins
Plastic	15mm (½")	2 Cans	10 mins	45 mins
	22mm (¾")	2 Cans	10 mins	45 mins

Dose stated below is per single freeze. When dual-freezing, inject Arctic Spray into each jacket alternately, spraying in 10 second bursts.

## ZE2 (300ml Can) FREEZE GUIDE

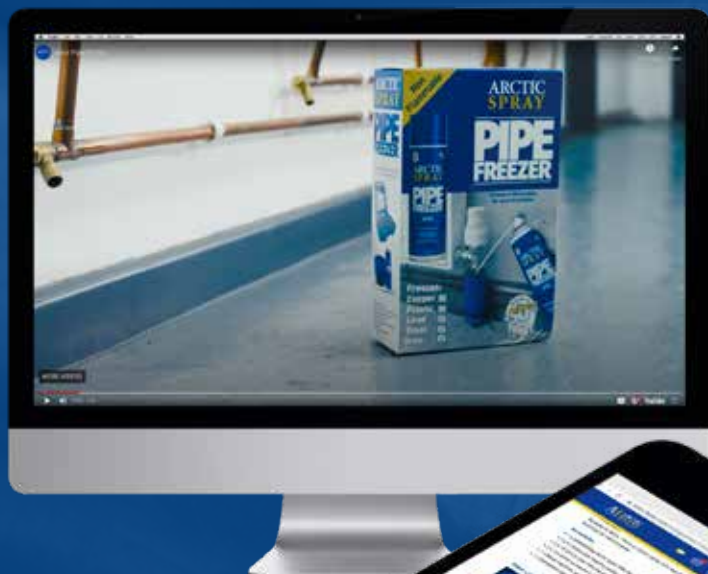
TYPE	PIPE Ø	DOSE PER FREEZE	PAUSE	ICE PLUG LIFE
Copper	8 - 12mm	½ Can	5 mins	30-35 mins
	15mm (½")	½ Can	5 mins	30-35 mins
	22mm (¾")	1 Can	5 mins	30-35 mins
	28mm (1")	1 Can	5 mins	20-30 mins
Steel Lead Iron	15mm (½")	½ Can	5 mins	30-35 mins
	22mm (¾")	1 Can	5 mins	30-35 mins
	28mm (1")	1 Can	5 mins	20-30 mins
Plastic	15mm (½")	1 Can	10 mins	45 mins
	22mm (¾")	1 Can	10 mins	45 mins

Wherever possible, the use of compression, push-fit or press-fit connections are recommended, as using heat for soldered joints can reduce ice-plug life, which could result in loss of water.

# SCAN THE QR CODE!

- View product information
- How to use videos
- What's in the box
- Technical files

SCAN ME!





# MORE THAN AN EMERGENCY BACK UP!

By using Pipe Freeze as your **first choice** you'll make light work of many plumbing and heating jobs, increasing your efficiency, availability and ultimately - your profit margin.



## THE ORIGINAL THE BEST!

Arctic Spray has been available for over **55 Years** making ours the **original** and the **best** Pipe Freeze on the market.



# PRO PIPE FREEZE

The professional pipe freeze kit allows you to work quickly and efficiently, without draining down the system or switching off the mains.

Save time and money with the reusable components in each kit which come in a purpose-built carry case.



**Scan** to view Pro range, view technical specifications and watch 'How-To' videos

# PRO FREEZE KIT

• CODE: ZEPRO

Our most popular Professional Pipe Freezing Kit, the ZEPRO, contains everything you need to start regularly freezing the most common pipe sizes. The ZEPRO+ is the same kit as the ZEPRO with an additional Arctic Spray PRO Pipe Freezer 600g can. Both kits are designed for heating and plumbing engineers with dual freezer capability and reusable components.

**Freezes 8-22mm pipes for up to 45 minutes.**

# PRO PLUS FREEZE KIT

• CODE: ZEPRO+



## KIT CONTAINS

- 1 x Arctic Spray PRO Pipe Freezer 600g / 509ml Can
- 2 x 8-15mm Freezing Jackets
- 2 x 15-22mm Freezing Jackets
- 2 x 1m Nylon Connection Hoses
- 1 x Regulator Valve
- 1 x Dosing Scale
- 1 x Dual Freeze T-Connector
- 1 x User Instructions

## KIT CONTAINS

- 2 x Arctic Spray PRO Pipe Freezer 600g / 509ml Can
- 2 x 8-15mm Freezing Jackets
- 2 x 15-22mm Freezing Jackets
- 2 x 1m Nylon Connection Hoses
- 1 x Regulator Valve
- 1 x Dosing Scale
- 1 x Dual Freeze T-Connector
- 1 x User Instructions



# SOLO FREEZE KIT

## • CODE: ZECOM

This lightweight alternative to our best selling ZEPRO comes in a lightweight soft case. Ideal for heating and plumbing professionals or DIY use, supplied in a rugged carry case.

**Freezes 8-22mm pipes for up to 45 minutes.**

### KIT CONTAINS

- 1 x Arctic Spray PRO Pipe Freezer 600g / 509ml Can
- 1 x 8-15mm Freezing Jackets
- 1 x 15-22mm Freezing Jackets
- 1 x 1m Nylon Connection Hoses
- 1 x Regulator Valve
- 1 x Dosing Scale
- 1 x User Instructions



# COMMERCIAL FREEZE KIT

## • CODE: ZECOM

This Pro Kit comes in a rugged case and includes three of the most common jacket sizes. Suited to commercial heating and plumbing engineers, it is ideal for commercial plumbing jobs.

**Freezes 8-35mm pipes for up to 45 minutes.**

### KIT CONTAINS

- 1 x Arctic Spray PRO Pipe Freezer 600g / 509ml Can
- 2 x 8-15mm Freezing Jackets
- 2 x 15-22mm Freezing Jackets
- 2 x 28-35mm Freezing Jackets
- 2 x 1m Nylon Connection Hoses
- 1 x Regulator Valve
- 1 x Dosing Scale
- 1 x Dual Freeze T-Connector
- 1 x User Instructions



# UTILITY FREEZE KIT

## • CODE: ZEWA

Designed primarily for single freeze applications, such as water meter installation or replacement.

**Freezes 8-22mm pipes for up to 45 minutes.**

### KIT CONTAINS

- 2 x Arctic Spray PRO Pipe Freezer 600g / 509ml Can
- 1 x 8-15mm Freezing Jackets
- 1 x 15-22mm Freezing Jackets
- 1 x 28-35mm Freezing Jackets
- 1 x 1m Nylon Connection Hoses
- 1 x Regulator Valve
- 1 x Dosing Scale
- 1 x User Instructions



# INDUSTRIAL FREEZE KIT

## • CODE: ZEIND

Featuring larger jackets for bigger diameter pipes, this professional kit is ideal for larger commercial and industrial scale pipe freezing projects.

**Freezes 8-61mm pipes for up to 45 minutes.**

### KIT CONTAINS

- 2 x Arctic Spray PRO Pipe Freezer 600g / 509ml Can
- 2 x 8-15mm Freezing Jackets
- 2 x 15-22mm Freezing Jackets
- 2 x 28-35mm Freezing Jackets
- 2 x 35-42mm Freezing Jackets
- 2 x 54-61mm Freezing Jackets
- 2 x 1m Nylon Connection Hoses
- 1 x Regulator Valve
- 1 x Dosing Scale
- 1 x Dual Freeze T-Connector
- 1 x User Instructions



# PROFESSIONAL PIPE FREEZER SPRAY

Our new formulation Pipe Freezer in a 600g canister. Suitable for use with all Arctic Pro Freeze Kits.

- **CODE: ZEP1** - 509ml Can

SCAN ME!



## KEY FEATURES

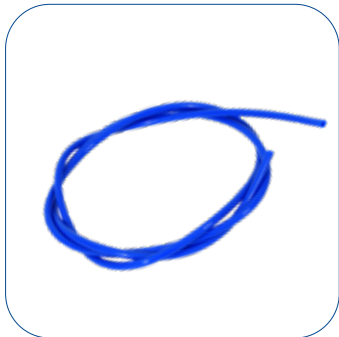
- Fastest pipe freezer spray on the market
  - Freeze pipes in as little as 90 seconds
  - Up to 6 freezes per can
  - Non-flammable
  - Eco-friendly refrigerant
- 
- For use with all Arctic Spray Pro Kits



# PRO FREEZE ACCESSORIES

Arctic Spray Professional Pipe Freeze accessories are available in most kits and can also be purchased individually.

## Nylon Connection Hose



1M length of nylon hose for use with all PRO kits. Available in longer length if required.

• **CODE: NTB04**

## Dual Freeze T-Connector



Required to carry out dual freeze. For use with all PRO kits.

**CODE: ETC04**

## Dosing Scale



Refrigerant dosing scale is calibrated to allow accurate dosing of Arctic PRO Freezing Spray, minimising refrigerant wastage.

**CODE: SCALE**

## Regulator Valve



Allows for a much more precise application of refrigerant than the press-top disposable kit.

**CODE: VPOL**



# PRO FREEZE JACKETS

Re-usable freezing jackets made from high quality rip-stop nylon for use with all PRO Pipe Freezing Kits.

**Yellow**



For use on 8-15mm pipes.  
**CODE: MUFF0**

**Green**



For use on 15-22mm pipes.  
**CODE: MUFF1**

**Red**



For use on 28-35mm pipes.  
**CODE: MUFF2**

**White**



For use on 35-42mm pipes.  
**CODE: MUFF3**

**Black**



For use on 54-61mm pipes.  
**CODE: MUFF4**



# PRO FREEZING GUIDES

Guide is based on copper pipe work at no more than 20°C (68°F). Where pipe or ambient temperature is higher, use at least 25% more Arctic Spray.

**ZEP1 (600g Can)**

## FREEZE GUIDE

PIPE Ø	DOSE PER FREEZE	JACKET CODE	VELCRO COLOUR	ICE PLUG LIFE*
8 - 15mm	100g	MUFF0	Yellow	10 min
15mm (½")	200g	MUFF1	Green	20 min
22mm (¾")	300g	MUFF1	Green	25 min
28mm (1")	500g	MUFF2	Red	30 min
35mm (1½")	650g	MUFF2	Red	30 min
42mm (1¾")	1000g	MUFF3	Black	30 min
54mm (2")	1850g	MUFF4	Black	30 min
61mm (2½")	2250g	MUFF4	Black	30 min



# ELECTRIC PIPE FREEZE

Electric Freeze Kits offer greater flexibility when pipes need to be kept frozen for an extended period of time. Complete jobs without monitoring refrigerant levels.

Each Arctic Electric Pipe Freeze Machine is powered by an industrial grade, refrigerant filled compressor and is designed to be used without it having to stand for hours before being powered up.



**Scan** to view Electric range, view technical specifications and watch 'How-To' videos

# ELECTRIC MINI FREEZE KIT

The mini is the smallest and most easily portable of the electric freeze kits. Ideal for large scale contract and commercial plumbing jobs such as facilities maintenance or social housing, where consumables supply may become costly.

• **CODE: AE28/M**



## KEY FEATURES

- 240V 450W
- Portable freeze kit
- Suitable for use on 8-28mm pipes

\* Initial ice-plug forms in around 10 minutes for 8mm pipes, approx 20 minutes for 28mm pipes.

## KIT CONTAINS

- 1 x pair of 15mm reducers
- 1 x pair of 22mm reducers
- 1 x pair of cotton gloves
- 1 x 200ml freeze cream
- 1 x Instruction manual



# ELECTRIC COMMERCIAL FREEZE KIT

The most popular of the electric freeze kits, Commercial electric kit will handle large scale plumbing jobs and come equipped to freeze pipes from 8mm to 42mm.

- **CODE: ARCEL/110** - 110V 550W
- **CODE: ARCEL/220** - 240V 550W



## KEY FEATURES

- Available in 110V or 240V
- Commercial freeze kit
- Suitable for use on 8-42mm pipes

\* Initial ice-plug forms in around 10 minutes for 15mm pipes, approx 30 minutes for 42mm pipes.

## KIT CONTAINS

- |                             |                             |
|-----------------------------|-----------------------------|
| • 1 x pair of 15mm reducers | • 1 x pair of 42mm reducers |
| • 1 x pair of 22mm reducers | • 1 x pair of cotton gloves |
| • 1 x pair of 28mm reducers | • 1 x 200ml freeze cream    |
| • 1 x pair of 35mm reducers | • 1 x Instruction manual    |

# ELECTRIC INDUSTRIAL FREEZE KIT

The largest of the electric freeze kit, Industrial electric kit will handle large scale plumbing jobs and come equipped to freeze pipes from 8mm to 61mm.

• **CODE: AE61/1** - 110V 850W



## KEY FEATURES

- Available in 110V
- Industrial freeze kit
- Suitable for use on 8-61mm pipes

\* Initial ice-plug forms in around 10 minutes for 8mm pipes, approx 45 minutes for 61mm pipes.

## KIT CONTAINS

- 1 x pair of 15mm reducers
- 1 x pair of 22mm reducers
- 1 x pair of 28mm reducers
- 1 x pair of 35mm reducers
- 1 x pair of 42mm reducers
- 1 x pair of 54mm reducers
- 1 x pair of 61mm reducers
- 1 x pair of cotton gloves
- 1 x 200ml freeze cream
- 1 x Instruction manual

# SCAN THE QR CODE!

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- View product information
- View 'How-To' videos
- What's in the box
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## PIPE FREEZE FAQ'S

**Q: Can this be used on Alkathene pipes?**

A: Yes but will require 25% more spray than copper pipe.

**Q: What pressure will the pipe freeze withstand. Will it be ok for standard household pressure?**

A: The pipe freeze is designed to withstand pressure in excess of the normal household supply. It will withhold pressures in excess of 10 bar / 145 psi.

**Q: Can a Pro Jacket be used with Aero spray (ZE1 and ZE2)?**

A: Yes, when using the Pro jacket on a horizontal freeze always ensure the brass disc is at the top of the pipe.

**Q: How do you know when enough product has been used and the pipe has froze?**

A: On Copper pipe you will generally hear a click when the ice plug has formed. The release of refrigerant should be continued for 30 seconds after this click to ensure the plug has formed along the length of the pipe. There will also be visible frost on the jacket. On other materials of pipe the click sound is not a clear so follow the instructions for quantity as per instructions.

**Q: How many freezes can you get from a can of ZE1/ZE2?**

A: It depends on the conditions in the room and size of the pipe. Ambient temperature should be no more than 20°C. Normally a ZE1 can complete 1 x 8-15mm freezes and ZE2 can complete 2 x 8-15mm freezes or 1 x 22-28mm freeze. For any more information please see the freezing guides.

**Q: Will the pipe freezing cans work if the can is tilted?**

A: Yes, the cans will work if tilted but will not work if the can is upside down.

**Q: Will the pipe freezing kits freeze a 15mm hot water pipe?**

A: Hot water can be frozen, but moving water cannot. As long as the water is static, it can be frozen. Hot pipes will require more refrigerant to freeze.

**Q: The water cannot be stopped and the temperature is 40 degrees?**

A: Moving water cannot be frozen. If pump and boiler are switched off, the water should be static and can therefore be frozen. Use more refrigerant to account for the higher ambient temperature.



**Q: Can a soldered joint be affected by freezing the pipe?**

A: Freezing a soldered joint wouldn't have any affect unless the joint has pre-existing damage.

**Q: The stop tap / valve isn't 50cm away from the jacket, will this affect the freezing process?**

A: Ideally the jacket needs to be at least 50cm (18") away from a valve / stop tap. If this is not possible the valve needs to be open so the pressure can escape. If the valve is closed / cannot be opened this can cause the pipe to split.

**Q: Can pipes be frozen if there is anti-freeze in the system?**

A: Yes, the pipe can be frozen but it will take more of the spray and time to freeze.

**Q: What temperature do the disposable kits go down to?**

A: The flash off temperature is approximately -50°C but the stabilised temperature is around -30°C.

**Q: Do the freezing jackets have a limited number of uses?**

A: The AERO jacket (ASM01) is disposable and designed for single use only. The PRO jackets (MUFF) have no limited number of uses however if the jackets become damaged, or split, they should be replaced.

**Q: Can you freeze a pipe if it is attached to a wall?**

A: Yes, as long as the jacket can be placed around the whole of the pipe the freeze will work.

**Q: Can ZE1 & ZE2 freeze steel, plastic & iron pipes?**

A: Freezing guidelines are for copper pipes. Any other type of pipe will need at least 25% more product and time (depending on conditions). Our refrigerant will not freeze Polybutylene pipes.

**Q: The pipe freezing instructions state that the jackets are different colours but are all blue?**

A: The outside of the jackets are blue, the Velcro on the inside is coloured to indicate the size of pipe to be used on.

**Q: Does the ZECOM kit come with 3 pieces of nylon tube? The image on the instructions shows three pieces?**

A: One piece of the pipe can be cut down to make the joint between the can and the T Piece.

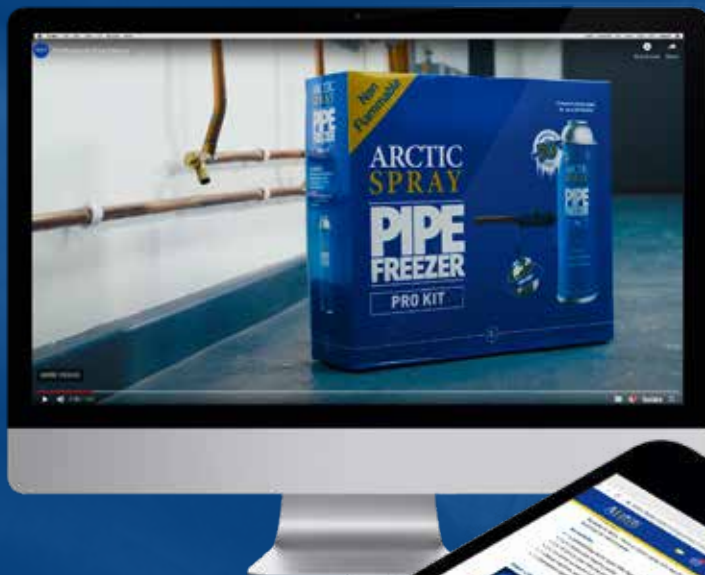
**Q: What is the shelf life for ZE1, ZE2 & ZEP1?**

A: All three products have a shelf life of 3 years, if stored and used correctly.

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- Technical files

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# WIN!

A FULL RANGE OF ARCTIC HAYES  
PIPE FREEZE PRODUCTS!

Email a copy of your receipt clearly showing the  
merchant & pipe freeze product to:

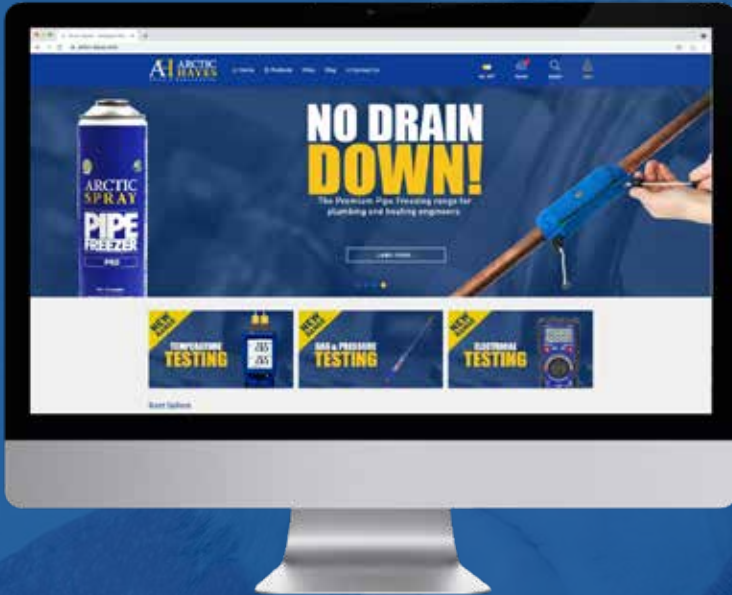
[winfreeze@arctic-hayes.com](mailto:winfreeze@arctic-hayes.com)

For more information on any of our pipe freeze products  
or to get involved in our range of competitions,  
scan the QR code below:



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- View order history
- See special pricing
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