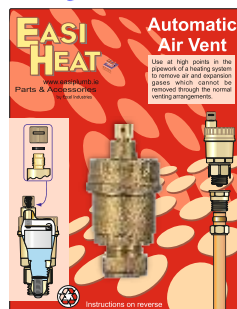


Air Vents & Gauges

XVENT



1/2" Automatic Bottle Type Air Vent

Stock Code	Barcode	Package Type & Size (cm)		€
EP12BAVC	5391269623570	Card	12 x 15.5	7.72

Use at high points in the pipework of a heating system to remove air and expansion gases which cannot be removed through the normal venting arrangements.

Brass Bottle Type Air Vent Incorporating a Sprung Loaded Isolation Valve

EPEXVENT	5391269796557	Card	9 x 12	12.50
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Brass Air Vents, Pack of 2

EP18KAV	1/8"	5391269623587	Card	9 x 12	4.60
EP14KAV	1/4"	5391269623594	Card	9 x 12	5.20
EP12KAV	1/2"	5391269623600	Card	9 x 12	5.80

Veha Vent Keys, Pack of 2

EPVVK	5391269623617	Card	9 x 12	3.80
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Clock Type Vent Key

EPBVK	5391269694389	Card	9 x 12	2.60
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Vent Key Set (1 Veha & 1 Clock)

EPRVKS	5391269706730	Card	9 x 12	4.10
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5 Air Vent Pins & Vent Key

EPVVK	5391269757800	Card	9 x 12	4.20
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Radiator Vent & Plug - For Standard Radiators

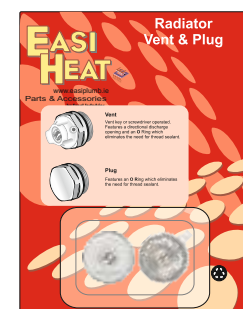
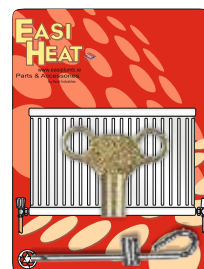
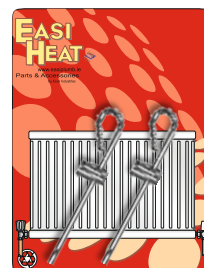
EPRPDRV	5391269755790	Card	12 x 15.5	7.04
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Vent key or screwdriver operated. Features a directional discharge opening and an O Ring which eliminates the need for thread sealant.



AIRless Automatic Air Vent for Radiators

EHALESS12	1/2"	5391269760350	Card	12 x 15.5	8.20
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1/4" Pressure Gauges, 0-10 Bar, 40mm Ø

EP14PG4	Back	5391269623631	Card	9 x 12	6.90
EP14PG8	Bottom	5391269623655	Card	9 x 12	6.90

Pressure & Temperature Gauges 80mm Ø

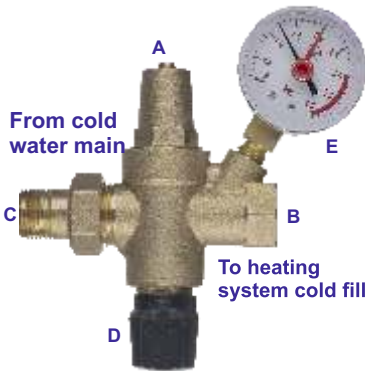
EPCPTGBA	Back	5391269642922	Card	12 x 15.5	23.50
EPCPTGBO	Bottom	5391269642939	Card	12 x 15.5	23.50



Gauges, Safety Valves & Manifolds, Fire Valves



Automatic Filling Valve



- A** The adjustment screw for regulating the down stream pressure from the mains water supply.
B Connection made to the pressurised heating system using 1/2" male BSP union to 1/2" conventional copper pipe compression joint.
C Connection made from main water supply using a 1/2" female BSP union to 1/2" conventional copper pipe compression joint.
D Mains water volume and flow control and isolation valve.
E Integral pressure gauge.

Stock Code	Barcode	Package Type & Size (cm)		€
EPAFV	5391269642762	Card	18 x 25.5	27.00



Safety Group

Combined water pressure reducing and safety relief valve

Preset 3 bar
Pressure reducing Valve

6 Bar Safety Valve



EP12SG	5391269796588	Card	18 x 25.5	52.40
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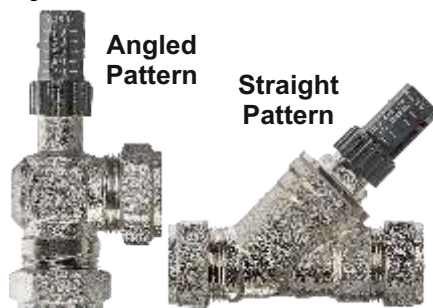
This valve is very effective in systems where various heating loads may simultaneously be excluded from the circuit by the closure of zone control valves and thermostatic or manual radiator valves. It ensures a recirculation proportional to the number of valves that close, thus avoiding noise whilst at the same time maintaining the pump head pressure at a constant value. Fitted between flow and return, it helps prevent unnecessary cycling of the boiler.

A Differential Bypass Valve provides a constant minimum water flow around a heating system. It also protects the Circulating Pump and the system and improves balancing to Thermostatic Radiator Valves. When the pressure increases, the valve opens thereby providing a constant water flow through the boiler.

Connections 3/4" Compression.
 Max. working pressure - 10 bar.
 Max. working temp. - 110°C
 Adjustment range: 1 to 6 m head.



3/4" Automatic Differential ByPass Valves



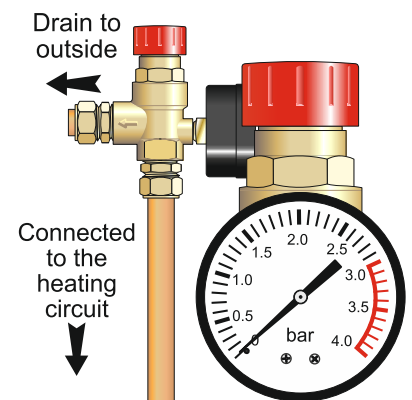
EP872500	Angled	5391269744558	Card	18 x 25.5	34.00
EP872500S	Straight	5391269796571	Card	18 x 25.5	37.00



Safety Valves (side outlet), 3 Bar



Designed to relieve any excessive pressure in a heating system. This can occasionally occur if the designed venting arrangements become unable to operate normally. For example, if blockages occur in the pipework or a sudden heat generated pressure build-up becomes greater than the expansion vent on a sealed system can accommodate.



Stock Code	Size	Barcode	Package Type & Size (cm)		€
EP12F13	1/2"	5391269623556	Card	12 x 15.5	7.90
EP12F23	1/2" & gauge	5391269623563	Card	12 x 15.5	14.50

Oil Line Fittings & Valves



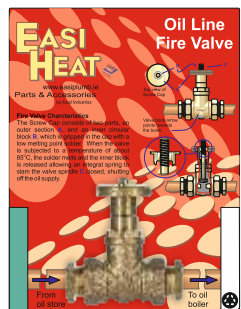
KFV Remote Acting Fire Valve - 1/4"

0962091701/
0962091702



The KFV Remote Acting Fire Valve is a fast acting thermally operated valve with a spring loaded trip mechanism and sealed temperature sensing system. It consists of a bellows housed in a brass body, capillary tube and a sensor phial. The valve will close when the temperature at the sensor phial reaches the set value. It will remain in the shut-off condition until the appropriate action has been taken to restore normal operating conditions and the reset button has been pressed. It can also be closed manually by pulling the reset button.

Stock Code	Inlet	Barcode	Package Type & Size (cm)	€
EPKFFV6515	1.5m, 65°	5391269796595	Card 10 x 14	61.06
EPKFFV9020	2m, 90°	5391269796601	Card 10 x 14	62.28



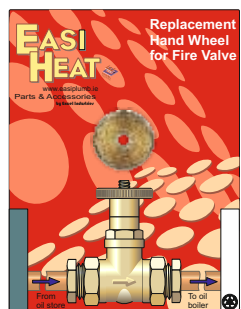
Standard Fire Valve



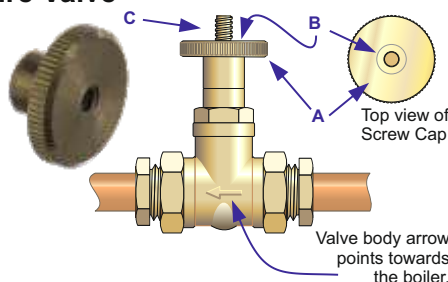
Stock Code	Barcode	Package Type & Size (cm)	€
EP38FV	5391269623693	Card 12 x 15.5	8.00

Fire Valve Characteristics

The Screw Cap consists of two parts, an outer section A, and an inner circular block B, which is gripped in the cap with a low melting point solder. When the valve is subjected to a temperature of about 85°C, the solder melts and the inner block is released allowing an integral spring to slam the valve spindle C closed, shutting off the oil supply.



Repl. Handwheel for Standard Fire Valve



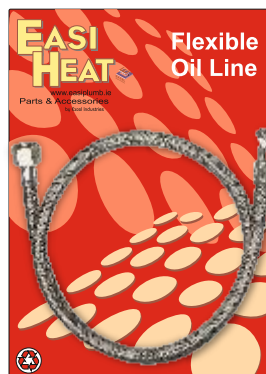
Stock Code	Barcode	Package Type & Size (cm)	€
EH38FVH	5391269760060	Card 12 x 15.5	2.40



Flexible Oil Line M Elbow x F Straight



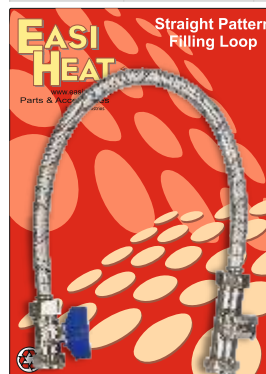
Stock Code	Size	Barcode	Package Type & Size (cm)	€
EPOL8	1/4" x 3/8" x 900mm	5391269623785	Card 18 x 25.5	17.36



Braided Soft Rubber



Stock Code	Size	Barcode	Package Type & Size (cm)	€
EPOL8F	1/4" x 3/8" x 900mm	5391269796618	Card 18 x 25.5	14.50



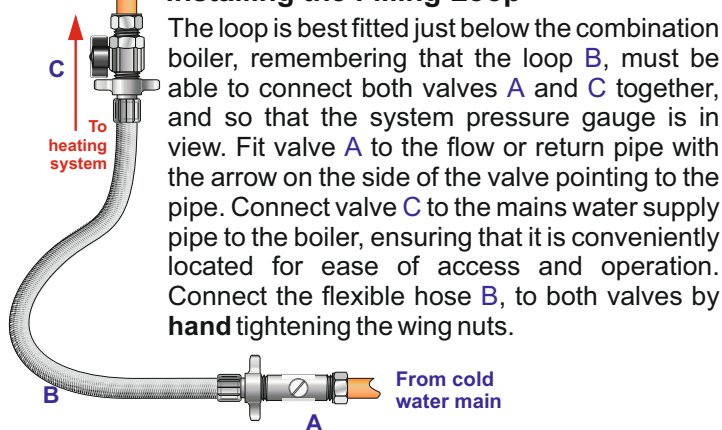
Manual Filling Valve - Filling Loop

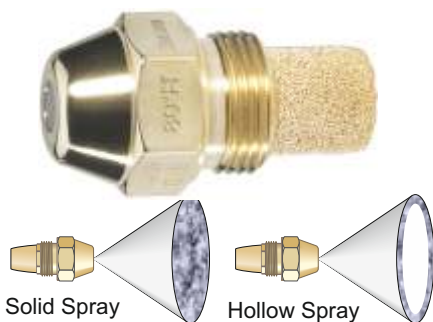
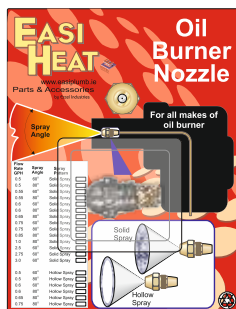
Designed to fill and supply mains water to a closed circuit heating system.



Stock Code	Size	Barcode	Package Type & Size (cm)	€
EPCFLS	Straight	5391269623662	Card 18 x 25.5	12.90

Installing the Filling Loop





All packaged on 12 x 15.5cm cards.

Oil Burner Nozzles with Solid Spray Angle ('S')

Stock Code	Description	Barcode	€
EPOBN580B	.5GPH, 80	5391269716104	18.50
EPOBN5580B	.55GPH, 80	5391269716111	18.50
EPOBN680B	.6GPH, 80	5391269716128	18.50
EPOBN6580B	.65GPH, 80	5391269796984	18.50

Oil Burner Nozzles with Hollow Spray Angle ('H')

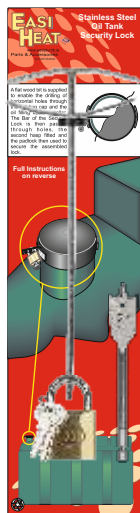
EPOBN580A	.5GPH, 80	5391269716180	18.50
EPOBN5580A	.55GPH, 80	5391269796991	18.50
EPOBN680A	.6GPH, 80	5391269716197	18.50
EPOBN6580A	.65GPH, 80	5391269716203	18.50

Oil Burner Nozzles with Extra Solid Spray Angle

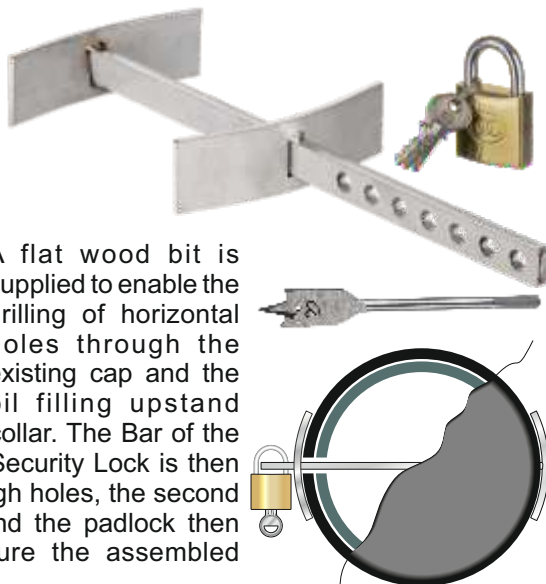
EPOBN580ES	.5GPH, 80	5391269797011	18.50
EPOBN5580ES	.55GPH, 80	5391269797028	18.50
EPOBN680ES	.6GPH, 80	5391269797035	18.50
EPOBN6580ES	.65GPH, 80	5391269797042	18.50

Oil Burner Nozzles with Extra Hollow Angle

EPOBN580EH	.5GPH, 80	5391269797059	18.50
EPOBN5580EH	.55GPH, 80	5391269797066	18.50
EPOBN680EH	.6GPH, 80	5391269797073	18.50
EPOBN6580EH	.65GPH, 80	5391269797080	18.50



Stainless Steel Oil Tank Security Lock



A flat wood bit is supplied to enable the drilling of horizontal holes through the existing cap and the oil filling upstand collar. The Bar of the Security Lock is then passed through holes, the second hasp fitted and the padlock then used to secure the assembled lock.

EHOTL	5391269753178	Card	12 x 45	33.50
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Aluminium Oil Filter



Stock Code	Size	Barcode	Package Type & Size (cm)	€
EP380FA	3/8"	5391269623686	Card 12 x 15.5	8.10



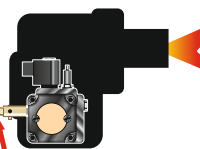
Clock Type Oil Tank Gauge



Stock Code	Barcode	Package Type & Size (cm)	€
EPOTG	5391269623709	Card 18 x 25.5	36.00



Boiler Bleed Valve



A simple to use fitting which enables the removal of air from an air locked oil line to a boiler.

Stock Code	Barcode	Package Type & Size (cm)	€
EPBBV	5391269755165	Card 12 x 21	21.50

Instructions

- 1 Shut off both the oil supply and electrical supply to the boiler.
- 2 Access the boiler workings, and if fitted, remove the burner shroud.
- 3 Use a hexagonal key to remove the 1/4" plug from the oil burner pump.
- 4 Some oil burners are supplied with an oil bleed stem. If this is the case, remove it and replace with the bleed valve.
- 5 Firmly screw the valve into the now exposed threaded orifice.
- 6 Place an oil collecting container under the valve.
- 7 Restore the oil supply and electrical supply to the boiler.
- 8 Start the boiler so that the oil flow to the burner commences.
- 9 Push the valve plunger until any air is expelled and the oil flows freely.
- 10 Pour any collected oil back into the oil tank.
- 11 If the fitted bleed valve prevents the burner shroud or boiler casing from being replaced, shut off both the oil supply and electrical supply to the boiler, remove the valve and replace the original 1/4" plug.
- 12 The oil and electrical supply can now be restored and the boiler used as normal.

Radiator Valves & Accessories

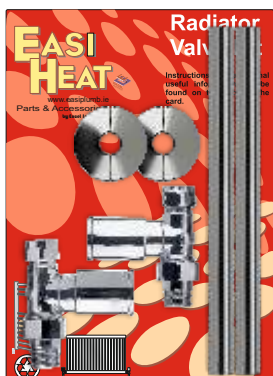


Angle Pattern Thermostatic Radiator Valve Kit

Stock Code	Barcode	Package Type & Size (cm)	€
EP15TRV1	5391269642779	Card 18 x 25.5	25.40

Angle Pattern Standard Compression

Stock Code	Size	Barcode	Package Type & Size (cm)	€
EPRV400	1/2"	5391269621446	Card 18 x 25.5	16.76

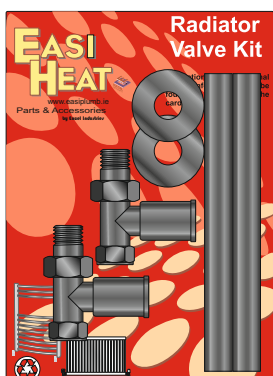


Straight Pattern Towel Rail Chrome Plated

Stock Code	Barcode	Package Type & Size (cm)	€
EPRV100SP	5391269642809	Card 18 x 25.5	26.50

Angle Pattern Towel Rail Chrome Plated

Stock Code	Barcode	Package Type & Size (cm)	€
EPRV100AP	5391269642793	Card 18 x 25.5	26.50



Straight Pattern Standard Radiator Valves - Painted Finish

Stock Code	Size	Barcode	Package Type & Size (cm)	€
EPRVSPA	1/2"	5391269797097	Card 18 x 25.5	28.70

Angled Pattern Standard Radiator Valves - Painted Finish

Stock Code	Size	Barcode	Package Type & Size (cm)	€
EPRVAPA	1/2"	5391269797103	Card 18 x 25.5	27.50



Pair Straight Pattern Thermostatic Towel Rail Radiator Valves - Chrome

Stock Code	Barcode	Package Type & Size (cm)	€
EPRV100SPT	5391269797110	Card 18 x 25.5	30.00

Pair Angle Pattern Thermostatic Towel Rail Radiator Valves - Chrome

Stock Code	Barcode	Package Type & Size (cm)	€
EPRV100APT	5391269797127	Card 18 x 25.5	29.50



Pair 1/2" Thermostatic S.P. Radiator Valves - Anthracite

Stock Code	Barcode	Package Type & Size (cm)	€
EPRV100SPTA	5391269797134	Card 18 x 25.5	33.30

Pair 1/2" Thermostatic A.P. Radiator Valves - Anthracite

Stock Code	Barcode	Package Type & Size (cm)	€
EPRV100APTA	5391269797141	Card 18 x 25.5	32.80





Angle Pattern Thermostatic Radiator Valve Only



Stock Code	Barcode	Package Type & Size (cm)		€
EHTRV1	5391269764877	Card	18 x 25.5	17.28



Replacement Thermostatic Valve Head Only



Stock Code	Barcode	Package Type	Size (cm)	€
EHTRH	5391269764860	Card	12 x 15.5	10.90



Angle Pattern Standard Female Iron



Stock Code	Barcode	Package Type	Size (cm)	€
EP12FIRV	5391269713035	Card	18 x 25.5	18.24



1/2" Radiator Valve Tail with 3/4" Lock Nut



Stock Code	Barcode	Package Type	Size (cm)	€
EP12RVT34	5391269764907	Card	9 x 12	7.50



1/2" Radiator Valve Tail with 1/2" Comp. Nut & Olive

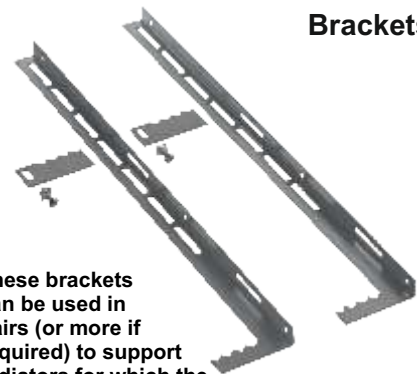


Stock Code	Barcode	Package Type	Size (cm)	€
EP12RVT12	5391269764914	Card	9 x 12	7.00

The balancing process is not difficult. It just needs a knowledge of the pipe and radiator circuitry. Sketch out a layout of the system and the balancing process will become much easier to understand. **Providing the system has been correctly designed**, a little thought, time and patience is all that is needed.

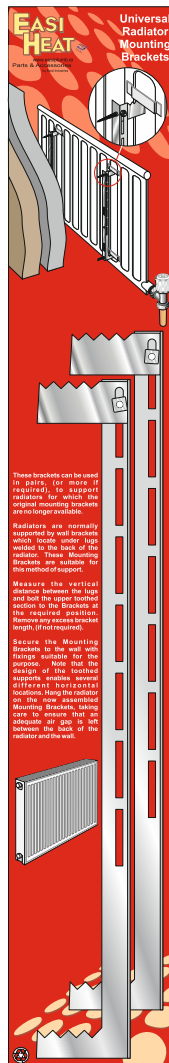
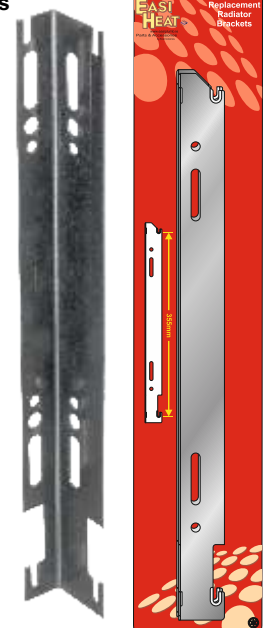
Radiator Accessories

Universal Radiator Mounting Brackets, Pair



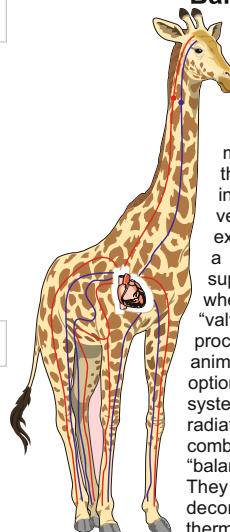
These brackets can be used in pairs (or more if required) to support radiators for which the original mounting brackets are no longer available.

Replacement Radiator Brackets



Stock Code	Barcode	Package Type & Size (cm)		€
EPURB	5391269643462	Card	18 x 75	11.00
EPRADB	5391269755806	Card	9 x 45	8.20

Balancing a radiator central heating system



In the same way the arteries, veins and capillaries have a large range of sizes to allow the heart to "balance" the flow of blood to all parts of your body, so a central heating system needs to be designed and "balanced" to enable pump to evenly distribute the how water flow to all of the radiators.

The physical process is governed by the laws of "fluid mechanics", something which nature worked out long before there were any plumbers or heating engineers about! For instance, a giraffe has "balancing" valves in the blood supply vessels in its neck. Without such "controls", the heart, (which is extra large in a giraffe to enable the blood to be pumped up such a long neck), would create excessive pressure in the blood supply to the brain when the animal stooped to drink. Similarly when the giraffe returns to an upright position, those same "valves" quickly sense the movement and re-balance the pumping process. Without such fine tuning of the circulation process, the animal would have severe problems. By comparison to the heart's options, the range of pipe diameters available for use with a radiator system is very limited. Which means that standard pipe sizes, radiator valves and the pump speed setting must be used in combination, to ensure that all the radiators are evenly heated or "balanced". That's why there are usually two valves on a radiator. They are not just there to make it easier to remove the radiator for decoration purposes! One valve is used to manually or thermostatically turn the radiator on and off, and the other, called the

Radiator Lock Shield Valve (LSV), is adjusted to control the amount of water which passes through the radiator, - the "balancing" valve. As not all radiators can be the same distance from the pump, and the pipe diameters are limited to usually 1/2", 3/4" and 1", (15, 22 and 28mm), the LSV valve settings are very important and need continuous and careful adjustment to suit each radiator on the heating circuit whilst the system is being "balanced". In some cases, just turning the LSV on one radiator a quarter turn open will be all that is needed - opened any further and the water may use that radiator to find the easiest return route in the "circuit", and the water will not flow to the next radiator.

CH Heating Controls & Additives. Pipe Freezing



Radiator Vent & Plug - For Standard Radiators



Vent key or screwdriver operated. Features a directional discharge opening and an O Ring which eliminates the need for thread sealant.

Stock Code	Barcode	Package Type & Size (cm)	€
EPRPDRV	5391269755790	Card 18 x 25.5	7.04



Dual Adjustable Boiler Thermostats Rated IP40



IM-TLS2/542816



EPIM542816	5391269796625	Header	18 x 21	50.88
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The IMIT Dual adjustable & safety boiler thermostat is a liquid filled Capillary expansion type thermostat enclosed in a protective housing. The thermostat is fitted with two 950mm long PVC coated capillary tubes. It is particularly suitable for the automatic regulation of boilers, pumps and other various appliances where temperature control and safety is required.

Features:

- Adjustable 60 - 90°C
- 110° Limiter with Manual Reset
- ½" BSP x 100mm Long Pocket
- Compact Design
- Large Dial Face
- 230Vac, 50Hz
- CE Approved

Adjustable Pipe Thermostat Rated IP30 - 20° - 90° With Metal Fixing Band



Features:

- Adjustable 45 - 75°C
- 114° Limiter with Manual Reset

IM-BRC/545610



The IMIT adjustable pipe thermostat is a bimetallic type thermostat enclosed in a protective housing. The thermostat is supplied complete with a metallic fixing band to attach it to a pipe. It is particularly suitable for the automatic regulation and measurement of boilers, pumps and other various appliances temperatures. All the installation operations included in this data sheet must be carried out by qualified personnel only, strictly complying with all safety provisions and laws in force.

EPIM545610	5391269796632	Card	18 x 17.5	22.50
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Protex Inhibitor

Protex Inhibitor gives extended protection against corrosion, scale build up, boiler noise and helps prevent microbial growth when introduced to a thoroughly cleaned system. It is suitable for all mixed metal systems including those containing aluminium elements. 1 Litre is sufficient to protect a typical domestic heating system of up to 100 Litre capacity.

Stock Code	Size	Barcode	Package Type & Size (cm)	€
EP1LPI	1L	5391269644537	Bottle 13 x 19	15.50



Protex Leak Sealant

Protex Leaksealant is ideal for resolving small pin-hole leaks in radiators and weeping inaccessible joints. It mixes and disperses easily when added to the system water and will not cause internal blockages or trap valves and pumps.

Stock Code	Size	Barcode	Package Type & Size (cm)	€
EP1LPL	1L	5391269644568	Bottle 13 x 19	15.50



Protex Universal Cleanser

Protex Universal Cleanser is an excellent pre-commissioning cleanser for new or modified systems due to its effective removal of all flux residues. It may also be used to flush, de-sludge and de-scale an existing system prior to modification or extension.

Stock Code	Size	Barcode	Package Type & Size (cm)	€
EP1LPU	1L	5391269644551	Bottle 13 x 19	15.50



Easi Freeze Mini

Includes 1 x 205ml Can, 1 Freezer Jacket & Ties



Introduction

Pipe freezing is a fast, clean and efficient means of carrying out Plumbing repairs and alterations to existing pipe work. It eliminates the need to isolate and drain down the entire system. It can be carried out on Copper, Metal and Pex pipe systems.

For pipes up to ½"/15mm

Stock Code	Barcode	Package Type	Size	€
EF410M	5391269786275	Box	12 x 22.5	45.00