

advantay

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P R O D U C T G U I D E

About Our Company

Company Overview

Advantay Ltd was formed in 2003 on the foundation of over 30 years combined experience in the UK domestic and industrial Heating Ventilation and Air Conditioning markets.

Situated in Sudbury, Suffolk Advantay Ltd supplies standard and assists in the development of bespoke products to the Renewable, Heat Pump and Plumbing & Heating Industry.

Advantay Ltd represents Tiemme S.p.A, Pintossi+c S.p.A and Elbi S.p.A exclusively in the UK and has forged strong partnerships with other manufacturing companies throughout Europe.

Our product portfolio is borne out of experience and the close contact and support of our customers and suppliers. The product range and company structure enables Advantay Ltd to provide high quality products, competitive prices, unrivalled service and often a single source solution for many customers.

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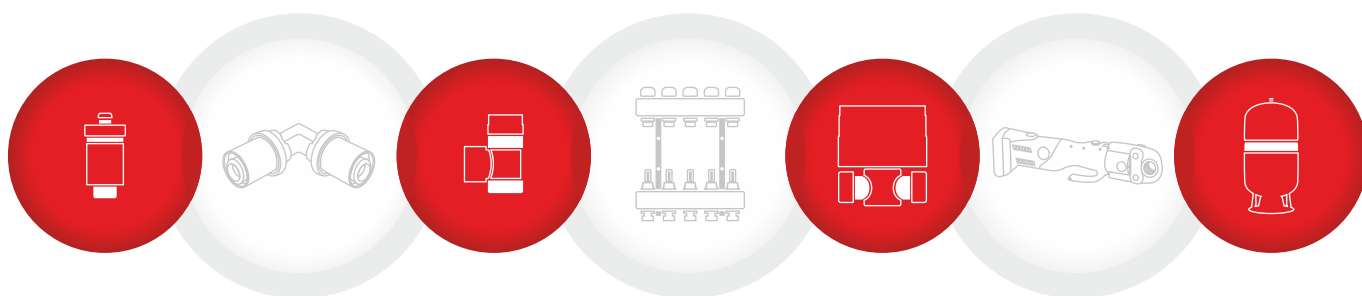
Advantay are accredited to ISO 9001:2015.



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CHAPTER 1

BUFFER TANKS & RENEWABLES



Heat Pump Buffer Tanks



A heat pump buffer tank is often required to provide a stored volume of heated water within the system, which helps to prevent heat pump short cycling which can increase response times, COP and decrease the life span of the heat pump.

Heat pump buffer tanks are generally smaller in volume than a traditional buffer tank or thermal store and can be floor or wall mounted for convenience.

Some may refer to them as a volumiser or low loss header.

A low loss header though is typically designed to provide hydraulic separation between two or more circuits.

This may be the heating and boiler circuits. However in some circumstances a low loss header may be sufficient to provide the required volume of water in the system.

More often than not it comes down to the Heat Pump manufacturers recommendations and the individual installation.

A buffer tank of 50 to 100ltr fitted with an electric immersion heater will also provide a back up heat source in the event of a problem occurring with a Heat Pump.

All our Heat Pump buffer tanks are Class A rated, ERP ready and are available in carbon steel as standard or for the ultimate long term performance and peace of mind, two stainless steel models are available.

Buffer Tanks and Thermal Stores

These are used as the main heat storage provided by a renewable heat source, for example biomass boiler systems or solar hot water systems. Buffer tanks can store heated water for long periods due to their high thermal efficiencies.

Ideally look for the best energy rating available for the set size of tank required.

It is worth noting that often the smaller the size tank, the higher the energy rating available, this is primarily due to the insulation requirements of the specific tank, with larger size tanks needing a larger amount of insulation to control heat losses, and in some circumstances the thickness of insulation required would make the tank prohibitively large in size.

Manufactured using carbon steel the buffer tank is only suitable for use when the water medium has a corrosion inhibitor added to protect the tank from premature failure due to corrosion, although this is often standard practise in typical applications.

Available in sizes from 50ltrs up to 5000ltrs and with multiple connection options, the buffer tank becomes the universal choice for many installers.



Heat Pump Buffer Tanks

13ltr All Stainless Steel

13ltr heat pump buffer vessel with integral wall mounting brackets, manufactured using 316 grade stainless steel cylinder and 304 grade stainless steel connections for ultra long life.

Rigid foam insulation and soft shell provides the heat pump buffer tanks a Class A rating for efficiency.

These buffer tanks feature 4 flow and return connections, 2 on each side, along with top and bottom connections and a 1/2" front mounted port for temperature sensing.

The combination of high grade stainless steel and class leading insulation, the buffer tank will provide years of trouble free life and very high performance.

PRODUCT CODE	DESCRIPTION
HPBT0012	13ltr heat pump buffer vessel, Class A rated

Specifications:

13ltr capacity

Class A rated

Wall mounted with integral welded bracket

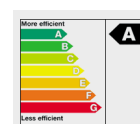
All stainless steel construction

Max pressure 10bar

Min temperature -10°C

Max temperature +95°C

310mm O/D x 600mm H



Connections:

4 x 1" F flow and return connections, positioned 2 each side

1 x 1/2" top connection for automatic air release valve

1 x 3/4" bottom high flow drain connection

1 x 1/2" sensor front mounted port

10 year warranty

Installation kit - see page 14

Heat Pump Buffer Tanks

20ltr All Stainless Steel

20ltr heat pump buffer vessel with integral wall mounting brackets, manufactured using 316 grade stainless steel cylinder and 304 grade stainless steel connections for ultra long life.

Rigid foam insulation and soft shell provides the heat pump buffer tanks a Class A rating for efficiency.

These buffer tanks feature 4 flow and return connections, 2 on each side, along with top and bottom connections and a 1/2" front mounted port for temperature sensing.

The combination of high grade stainless steel and class leading insulation, the buffer tank will provide years of trouble free life and very high performance.

PRODUCT CODE	DESCRIPTION
HPBT0020	20ltr heat pump buffer vessel, Class A rated

Specifications:

20ltr capacity

Class A rated

Wall mounted with integral welded bracket

All stainless steel construction

Max pressure 10bar

Min temperature -10°C

Max temperature +95°C

360mm O/D x 600mm H

Connections:

4 x 1-1/4" F flow and return connections, positioned 2 each side

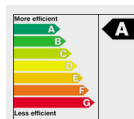
1 x 1/2" top connection for automatic air release valve

1 x 3/4" bottom high flow drain connection

1 x 1/2" sensor front mounted port

10 year warranty

Installation kit - see page 14



Heat Pump Buffer Tanks

24ltr Carbon Steel - Wall Hung

Specifically designed for use with heat pump installations to provide a stored volume of heated water which helps to prevent heat pump short cycling and can increase response times, COP and increase the life span of the heat pump. Use for treated water only.

The ACF-P range features wall mounting brackets featuring twin insulation layer and a soft PVC Jacket. The ACF-P has an industry leading Class A energy rating and is ERP ready.

PRODUCT CODE	DESCRIPTION
ACF-24P	24ltr heat pump buffer vessel

Specifications:

Class A rated
Wall Hung with welded fixing bracket
Carbon steel
Max pressure 10bar
Min temperature -10°C
Max temperature +95°C
410mm O/D x 555mm H

Connections:

4 x 1-1/4" F side connections to suit flow and return from system and flow and return from heat pump
2 x 1/2" F sensor / monitoring ports
2 x 1-1/4" F top and bottom connection for air release valve and drain valve

5 year warranty

Installation kit - see page 14



Heat Pump Buffer Tanks

35ltr Carbon Steel - Wall Hung

Specifically designed for use with heat pump installations to provide a stored volume of heated water which helps to prevent heat pump short cycling and can increase response times, COP and increase the life span of the heat pump. Use for treated water only.

The ACF-P range features wall mounting brackets featuring twin insulation layer and a soft PVC Jacket. The ACF-P has an industry leading Class A energy rating and is ERP ready.

PRODUCT CODE	DESCRIPTION
ACF -35P	35ltr heat pump buffer vessel - No Element

Specifications:

Class A rated
Wall Hung with welded fixing bracket
Carbon steel
Max pressure 10bar
Min temperature -10°C
Max temperature +95°C
410mm O/D x 675mm H



Connections:

4 x 1-1/4" F side connections to suit flow and return from system and flow and return from heat pump
2 x 1/2" F sensor / monitoring ports
2 x 1-1/4" F top and bottom connection for air release valve and drain valve
1 x 1-1/2" immersion heater element port.

5 year warranty

Installation kit - see page 14

PRODUCT CODE	DESCRIPTION
ACF -35PE	35ltr heat pump buffer vessel + 3kw Element

Specifications:

Class A rated
Wall Hung with welded fixing bracket
Carbon steel
Max pressure 10bar
Min temperature -10°C
Max temperature +95°C
410mm O/D x 675mm H



Connections:

4 x 1-1/4" F side connections to suit flow and return from system and flow and return from heat pump
2 x 1/2" F sensor / monitoring ports
2 x 1-1/4" F top and bottom connection for air release valve and drain valve
1 x 1-1/2" immersion heater element port with fitted 3kw heating element + thermostat

5 year warranty

Installation kit - see page 14

Heat Pump Buffer Tanks

50ltr Carbon Steel - Wall Hung

Specifically designed for use with heat pump installations to provide a stored volume of heated water which helps to prevent heat pump short cycling and can increase response times, COP and increase the life span of the heat pump. Use for treated water only.

The ACF-P range features wall mounting brackets featuring twin insulation layer and a soft PVC Jacket. The ACF-P has an industry leading Class A energy rating and is ERP ready.

PRODUCT CODE	DESCRIPTION
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ACF-50P	50ltr heat pump buffer vessel - No Element
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Specifications:

Class A rated

Wall Hung with welded fixing bracket

Carbon steel

Max pressure 10bar

Min temperature -10°C

Max temperature +95°C

410mm O/D x 890mm H



Connections:

4 x 1-1/4" F side connections to suit flow and return from system and flow and return from heat pump

2 x 1/2" F sensor / monitoring ports

2 x 1-1/4" F top and bottom connection for air release valve and drain valve

1 x 1-1/2" immersion heater element port

5 year warranty

Installation kit - see page 14

PRODUCT CODE	DESCRIPTION
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ACF-50PE	50ltr heat pump buffer vessel + 3kw Element
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Specifications:

Class A rated

Wall Hung with welded fixing bracket

Carbon steel

Max pressure 10bar

Min temperature -10°C

Max temperature +95°C

410mm O/D x 890mm H



Connections:

4 x 1-1/4" F side connections to suit flow and return from system and flow and return from heat pump

2 x 1/2" F sensor / monitoring ports

2 x 1-1/4" F top and bottom connection for air release valve and drain valve

1 x 1-1/2" immersion heater element port with fitted 3kw heating element + thermostat

5 year warranty

Installation kit - see page 14

Heat Pump Buffer Tanks

50ltr Carbon Steel - Floor Stand

Specifically designed for use with heat pump installations to provide a stored volume of heated water which helps to prevent heat pump short cycling and can increase response times, COP and increase the life span of the heat pump. Use for treated water only.

The ACF-V range is a floor standing cylindrical tank rated featuring twin insulation layer and a soft PVC Jacket. The ACP-V has an industry leading Class A energy rating and is ERP ready.

These buffer tanks feature 4 flow and return connections, 2 on each side, along with a top connections and 2 x 1/2" front mounted port for temperature sensing.

PRODUCT CODE	DESCRIPTION
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ACF - 50V	50ltr heat pump buffer vessel - No Element
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Specifications:

Class A rated
Floor standing
Carbon steel
Max pressure 10bar
Min temperature -10°C
Max temperature +95°C
410mm O/D x 890mm H



Connections:

4 x 1-1/4" F side connections to suit flow and return from system and flow and return from heat pump
2 x 1/2" F sensor / monitoring ports
1 x 1-1/4" F top connection for safety valve or air release valve
1 x 1-1/2" immersion heater element port

5 year warranty

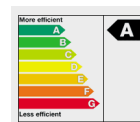
Installation kit - see page 14

PRODUCT CODE	DESCRIPTION
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ACF - 50VE	50ltr heat pump buffer vessel + 3kw Element
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Specifications:

Class A rated
Floor standing
Carbon steel
Max pressure 10bar
Min temperature -10°C
Max temperature +95°C
410mm O/D x 890mm H



Connections:

4 x 1-1/4" F side connections to suit flow and return from system and flow and return from heat pump
2 x 1/2" F sensor / monitoring ports
1 x 1-1/4" F top connection for safety valve or air release valve
1 x 1-1/2" immersion heater element port with fitted 3k heating element + thermostat

5 year warranty

Installation kit - see page 14

Buffer Tanks

Carbon Steel

Buffer tanks are designed for use with heating water only (treated) and offer a complete universal solution with multiple connections allowing ease of installation and multi draw off capabilities.

Used for the storage and distribution of treated water to prevent corrosion.

Carbon steel construction.

Sizes from 100ltr up to 1000ltr.

200ltr to 1000ltr floor standing.

1/2" sensor / thermostat connections.

Fully insulated with closed cell PE.

100ltr version with wall mounting brackets or floor standing.

6 to 8 inlet / outlet connections, depending on model.

1 x top entry water connection.

In compliance with : EU directive 92/75/EC and PED 97/23/EC



PRODUCT CODE	SIZE	RATING	MAX TEMP	MAX BAR	HEIGHT	DIAMETER
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Wall Hung

ACF-100P	100ltr	B	+95°C	10bar	895mm	460mm
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ACF-100PE*	100ltr	B	+95°C	10bar	895mm	460mm
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*Includes 3kw heating element + thermostat

Floor Standing

ACF-100V	100ltr	B	+95°C	10bar	895mm	460mm
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ACF-100VE*	100ltr	B	+95°C	10bar	895mm	460mm
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*Includes 3kw heating element + thermostat



PRODUCT CODE	SIZE	RATING	MAX TEMP	MAX BAR	HEIGHT	DIAMETER
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P-PLUS 200	200ltr	B	+95°C	10bar	1170mm	600mm
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P-PLUS 300	300ltr	B	+95°C	10bar	1410mm	650mm
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P-PLUS 500	500ltr	C	+95°C	3bar	1710mm	750mm
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P-PLUS 600	600ltr	C	+95°C	3bar	2030mm	870mm
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P-PLUS 800	800ltr	C	+95°C	3bar	1870mm	1020mm
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P-PLUS 1000	1000ltr	C	+95°C	3bar	2120mm	1020mm
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Connections:

	Side Connections	Sensor Connections	Top Connection	Bottom Connection
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ACF-100	= 4 x 1-1/4" F	3 x 1/2" F	1-1/4" F	1-1/4" F (ACF-100P wall hung)
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ACF-100	= 1 x 1-1/2" F element port			
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P-PLUS 200	= 6 x 1-1/2" F	3 x 1/2" F	1-1/4" F	-
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P-PLUS 300 - 600	= 8 x 1-1/2" F	4 x 1/2" F	1-1/4" F	-
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P-PLUS 600 - 1000	= 8 x 1-1/2" F	4 x 1/2" F	1-1/2" F	-
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Buffer Tanks

Carbon Steel

P-Plus buffer tanks are designed for use with heating water only (treated) and offer a complete universal solution with multiple connections allowing ease of installation and multi draw off capabilities.

Used for the storage and distribution of treated water to prevent corrosion.

Carbon steel construction.

Floor Standing.

Sizes from 1500ltr up to 5000ltr.

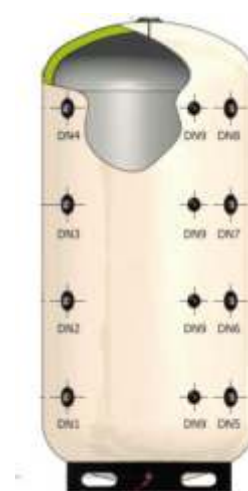
Fully insulated with open cell PE soft jacket from 1500ltr to 5000ltr.

8 x inlet / outlet connections, various sizes depending on model.

1/2" sensor / thermostat control connections.

1 x top entry water connection.

In compliance with : EU directive 92/75/EC and PED 97/23/EC



PRODUCT CODE	SIZE	RATING	MAX TEMP	MAX BAR	HEIGHT	DIAMETER
P-PLUS 1500	1500ltr	C	+95°C	3bar	2530mm	1270mm
P-PLUS 2000	2000ltr	C	+95°C	3bar	2510mm	1370mm
P-PLUS 3000	3000ltr	N/A	+95°C	3bar	2840mm	1350mm
P-PLUS 5000	5000ltr	N/A	+95°C	3bar	3045mm	1700mm

Connections:		Side Connections	Sensor Connections	Top Connection	Bottom Connection
P-PLUS 1500	=	8 x 1-1/2" F	4 x 1/2" F	3" F	1" F
P-PLUS 2000	=	8 x 1-1/2" F	4 x 1/2" F	3" F	1" F
P-PLUS 3000	=	8 x 2" F	4 x 1/2" F	3" F	1" F
P-PLUS 5000	=	8 x 2" F	4 x 1/2" F	3" F	1" F

1500ltr to 5000ltr due to size will be manufactured to order and delivered, individually crated from our factory.

Heat Pump Buffer Tank

Installation Kits

Heat Pump Buffer Tanks - Installation Kits

PRODUCT CODE	PRODUCT CODE	PRODUCT CODE	PRODUCT CODE
HPBTINKT12	HPBTINKT20	HPBTINKT35	HPBTINKT50
13ltr buffer tank Kit Inc:	20ltr buffer tank Kit Inc:	24/35/50ltr wall hung buffer tank Kit Inc:	50ltr floor stand buffer tank Kit Inc:
1 x Auto Air Vent	1 x Auto Air Vent	1 x Auto Air Vent	1 x Auto Air Vent
1 x Drain Valve	1 x Drain Valve	1 x Drain Valve	4 x 1-1/4" x 35mm male iron
4 x 1" x 28mm male iron	4 x 1-1/4" x 35mm male iron	4 x 1-1/4" x 35mm male iron	2 x 1/2" capping plug
1 x 1/2" capping plug	1 x 1/2" capping plug	2 x 1/2" capping plug	1 x 1-1/2" capping plug
		1 x 1-1/2" capping plug	1 x 1-1/4" x 1/2" reducer
		1 x 1-1/4" x 1/2" reducer	
		1 x 1-1/4 x 3/4" reducer	

Blanking off plugs



PRODUCT CODE	DESCRIPTION
0043000012	1/2" M blanking plug
ADBRFP-E	3/4" M blanking plug
ADBRFP-F	1" M blanking plug
ADBRFP-G	1-1/4" M blanking plug
ADBRFP-H	1-1/2" M blanking plug
ADBRFP-I	2" M blanking plug
ADBRFP-K	3" M blanking plug

Compression adapters with parallel thread



PRODUCT CODE	DESCRIPTION
ADCOSAM-15D	1/2" M x 15mm
ADCOSAM-22E	3/4" M x 22mm
ADCOSAM-28F	1" M x 28mm
ADCOSAM-35G	1-1/4" M x 35mm
ADCOSAM-42H	1-1/2" M x 42mm
ADCOSAM-54I	2" M x 54mm

Reducing Bushes



PRODUCT CODE	DESCRIPTION
ADBRBUSH-HD	1-1/2" x 1/2" reducing bush, to convert top outlet to accept air release valve
ADBRBUSH-GD	1-1/4" x 1/2" reducing bush, to convert top outlet to accept air release valve
ADBRBUSH-HE	1-1/2" x 3/4" reducing bush, to convert bottom outlet to accept drain valve
ADBRBUSH-GE	1-1/4" x 3/4" reducing bush, to convert bottom outlet to accept drain valve

Immersion Heating Element

PRODUCT CODE	DESCRIPTION
AD13027	3kw, 230v, 1-1/2" heating element + thermostat, 320mm insertion, suitable for 35ltr tanks upwards where fitted with a suitable 1-1/2" female port



Buffer Tank Accessories

PRODUCT CODE

DESCRIPTION

RT201F251C

63mm dial, 100mm x 1/2" back stem inc pocket, 0 - 120°C / °F range

RT401F251C

100mm dial, 100mm x 1/2" back stem inc pocket , 0 - 120°C / °F range



PRODUCT CODE

DESCRIPTION

R0050800012

1/2" M AAV with O - ring seal complete with check valve



R0050700012

1/2" M AAV with O - ring seal



PRODUCT CODE

DESCRIPTION

RAD2310014

3/4" M/F full bore red lever ball valve



Heat Pump Accessories

PRODUCT CODE	DESCRIPTION
AD6510002	1" M/M flow setter, 4 to 15ltr/min
AD6510003	1" M/M flow setter, 8 to 30ltr/min
AD6510004	1" M/M flow setter, 10 to 40ltr/min



PRODUCT CODE	DESCRIPTION
ADCOSAF-22F	1" F x 22mm compression flow setter adapter
ADCOSAF-28F	1" F x 28mm compression flow setter adapter



PRODUCT CODE	DESCRIPTION
AD4700267	1" F x 3/4" F Fill / Drain, with flow setter 1 to 10ltr/min
AD4700268	1" F x 3/4" F Fill / Drain, with flow setter 8 to 30ltr/min



PRODUCT CODE	DESCRIPTION
AD3170002	1" M Anti freeze filling valve with insulation



Volumiser Buffer Tanks

Non insulated Carbon Steel

Volumisers Buffer Tanks - Intermediate Tanks

Can be used as a small buffer vessel or volumiser within an ASHP installation, or to reduce water temperature within a solar system before the installation of the expansion vessel and pump group set.

Please note these are not insulated.

Straight through design with a top and bottom 3/4" M connection.

Carbon Steel - system water will need an inhibitor.



PRODUCT CODE	SIZE	CONNECTION	MAX BAR	MAX C	O/D	HEIGHT
0093300005	5ltr	3/4" MM	8bar	110°c	205mm	240mm
0093300008	8ltr	3/4" MM	8bar	110°c	205mm	320mm
0093300012	12ltr	3/4" MM	8bar	110°c	270mm	315mm
0093300018	18ltr	3/4" MM	8bar	110°c	270mm	420mm
0093300024	24ltr	3/4" MM	8bar	110°c	320mm	335mm
0093300035	35ltr	3/4" MM	10bar	110°c	400mm	405mm
0093300050	50ltr	3/4" MM	10bar	110°c	400mm	520mm



Solar Expansion Vessels

Solar Accessories

Solar Expansion Vessels.

Solar rated expansion vessels. Designed exclusively for high temperatures found within solar applications. Tested up to max temp 130°C and suitable for 50/50 glycol/water mix. Pre-set at 3bar



PRODUCT CODE	SIZE	CONNECTION	MAX BAR	MAX C	O/D	HEIGHT
0093200008	8ltr	3/4" M	8bar	130°C	205mm	300mm
0093200018	18ltr	3/4" M	8bar	130°C	270mm	410mm
0093200024	24ltr	3/4" M	8bar	130°C	320mm	355mm
0093200035	35ltr	3/4" M	10bar	130°C	400mm	390mm
0093200050	50ltr	3/4" M	10bar	130°C	400mm	585mm
0093200080	80ltr	3/4" M	10bar	130°C	400mm	820mm
0093200100	100ltr	3/4" M	10bar	130°C	500mm	775mm
0093200150	150ltr	3/4" M	10bar	130°C	500mm	1005mm
0093200200	200ltr	1" M	10bar	130°C	600mm	1065mm
0093200300	300ltr	1" M	10bar	130°C	650mm	1240mm

Solar Accessories

PRODUCT CODE	DESCRIPTION
0155570030	Solar safety valve, 1/2" x 3/4" F/F, + 160°C, 3bar
0155570040	Solar safety valve, 1/2" x 3/4" F/F, + 160°C, 4bar
0155570060	Solar safety valve, 1/2" x 3/4" F/F, + 160°C, 6bar
0155570080	Solar safety valve, 1/2" x 3/4" F/F, + 160°C, 8bar
0155570100	Solar safety valve, 1/2" x 3/4" F/F, + 160°C, 10bar



PRODUCT CODE	DESCRIPTION
0050774038	Solar Auto air release valve, 3/8" BSP Solar Rated at 160°C



PRODUCT CODE	DESCRIPTION
ADSOLFIX01	Wall fixing bracket, plugs and screws complete with 3/4" vessel isolating valve / connector



Low Loss Header

Advantay Low Loss Header / Hydraulic Separator serves primarily to divide the primary and secondary circuit hydraulically in the heating system and to compensate for differences in flow rate and pressure drop.

The addition of a new dirt separation filter inside improves waste removal. Additionally it allows any trapped air to be removed from the top.

Now fitted as standard with an automatic air release valve and drain valve, along with 2 x 1/2" front mount connections (capped off) for use with pressure / temperature sensors / monitoring.

The Low Loss Header can be supplied as standard with a closed cell PE insulated pre-formed case, with Velcro fixing.

12,000 gauss Magnet equipped pocket now available which can be installed into the front mounted 1/2" connection for additional system protection.

Low Loss Header complete with insulated cover

PRODUCT CODE	CONNECTION	FLOW RATE	MAX KW	MAX °C	MAX BAR
AD3160001	1" F x 4	2500 ltr/h	43.5	100°C	10bar
AD3160002	1-1/4" F x 4	4000 ltr/h	69.6	100°C	10bar
AD3160008	1-1/2" F x 4	6000 ltr/h	104.4	100°C	10bar
AD3160007	2" F x 4	9000 ltr/h	156.6	100°C	10bar

Low Loss Header without insulated cover

PRODUCT CODE	CONNECTION	FLOW RATE	MAX KW	MAX °C	MAX BAR
AD3160006	1" F x 4	2500 ltr/h	43.5	110°C	10bar
AD3160003	1-1/4" F x 4	4000 ltr/h	69.6	110°C	10bar
AD3160004	1-1/2" F x 4	6000 ltr/h	104.4	110°C	10bar
AD3160005	2" F x 4	9000 ltr/h	156.6	110°C	10bar

12,000 gauss magnet pocket - screws into front mount 1/2" connection for added protection

PRODUCT CODE	DESCRIPTION
AD3160105	12,000 gauss magnet pocket, 1/2" M



Low Loss Header

Advantay Low Loss Header / Hydraulic Separator serves primarily to divide the primary and secondary circuit hydraulically in the heating system and to compensate for differences in flow rate and pressure drop.

Flanged connection fitting.

The addition of a new dirt separation filter inside improves waste removal. Additionally it allows any trapped air to be removed from the top.

Now fitted as standard with an automatic air release valve and drain valve.

The Low Loss Header is supplied as standard with a closed cell PE insulated pre - formed case.

Manufactured from Fe360 steel epoxy powder coated.

PRODUCT CODE	CONNECTION	FLOW RATE	FEET	MAX C	MAX BAR
AD3160106	DN50	9000 ltr/h	No	100°C	10bar
AD3160107	DN65	20000 ltr/h	No	100°C	10bar
AD3160108	DN80	25000 ltr/h	No	100°C	10bar
AD3160109	DN100	40000 ltr/h	No	100°C	10bar



PRODUCT CODE	CONNECTION	FLOW RATE	FEET	MAX C	MAX BAR
AD3160110	DN125	65000 ltr/h	Yes	100°C	10bar
AD3160111	DN150	95000 ltr/h	Yes	100°C	10bar

Supplied with floor mount legs/supports



Solar Pump Groups

Single and twin solar pump groups featuring the latest WILO circulating pumps. Fully insulated. Maximum operating temperature of 160°C with a maximum operating pressure of 10bar.

Single Solar Pump Group

Fully insulated, built in fill and drain valve with mechanical flow meter and ball valves, Temperature gauge and 6 bar safety group with pressure gauge.

PRODUCT CODE	CONNECTION	FLOW RATE	MAX C
4700382	3/4" F	1- 10ltr/min	WILO Para ST 15/7.0



Twin Solar Pump Group

Fully insulated, de-aerator, built in fill and drain valve with mechanical flow meter and ball valves, Temperature gauge and 6 bar safety group with pressure gauge.

PRODUCT CODE	CONNECTION	FLOW RATE	MAX C
4700379	3/4" F	1- 10ltr/min	WILO Para ST 15/7.0
4700380	3/4" F	8- 930ltr/min	WILO Para ST 15/7.0



Twin Solar Pump Group

Fully insulated, de-aerator, built in fill and drain valve with electronic flow meter and ball valves, Temperature gauge and 6 bar safety group with pressure gauge.

PRODUCT CODE	CONNECTION	FLOW RATE	MAX C
4700381	3/4" F	2- 40ltr/min	WILO Para ST 15/7.0



Solar Pump Groups

Twin solar pump group featuring the latest WILO circulating pumps. Fully insulated. Maximum operating temperature of 160°C with a maximum operating pressure of 10bar.

Twin Solar Pump Group

Fully insulated, de-aerator, built in fill and drain valve with mechanical flow meter and ball valves, temperature gauge and 6 bar safety group with pressure gauge, designed specifically to house the electronic controller type below.

PRODUCT CODE	CONNECTION	FLOW RATE	MAX C
4700416	3/4" F	1- 10ltr/min	WILO Para ST 15/7.0
4700417	3/4" F	8- 930ltr/min	WILO Para ST 15/7.0



Programable electronic temperature regulator

Fully programable LCD display temperature regulator / controller for solar water heating systems.

PRODUCT CODE	INPUT	SENSORS	OUTPUTS
4700516	3	2	1
4700517	4	3	2
4700518	6	4	3



Mounting plate adapter

Adapter plate to allow installation of various electronic controllers within the Twin Solar Pump Group above.

PRODUCT CODE	CONTROL TYPE
4700533	SOREL TDC 4700516
4700286	SOREL TDC 4700517 - 4700518
4700321	Closed / blanked off

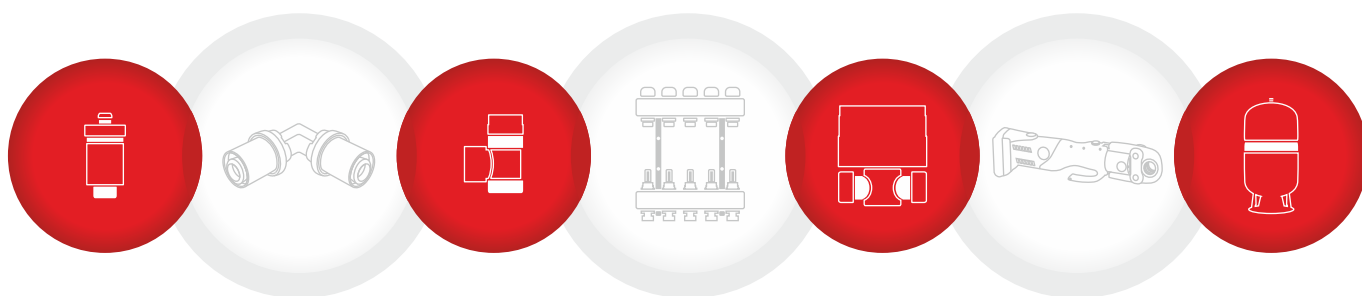


PRODUCT CODE	DESCRIPTION
4700027	PT10000 sensor Silicon cable length 2m, SS probe, 6mm x 25mm.



CHAPTER 2

MULTILAYER PIPE & FITTINGS



“AL-COBRAPEX” MULTILAYER PIPE

DESCRIPTION

AL-COBRAPEX pipes adapt to any type of heating & cooling and plumbing and compressed air distribution systems, with application in residential, commercial, industrial and agricultural sectors and, in general, with any kind of non-corrosive fluid *.

AL-COBRAPEX are multilayer type pipes, with an aluminium core and are a valid alternative to metal pipes and also to some of the plastic pipes normally used in common plant engineering systems.

The technology of these pipes consists of inserting a metal layer (aluminium) between two layers of plastic material (polyethylene) that are glued together as shown in the picture.

AL-COBRAPEX pipes have the characteristic of combining the advantages of plastic materials (resistance to abrasion & corrosion and to chemicals, lightness and ease of installation with those of aluminium (high pressures resistance, dimension stability and reduced thermal expansion).

There is a wide range of AL-COBRAPEX pipes: they are produced in diameters from 14 to 90 mm and supplied in rolls or bars. They are available in white pipe versions, with 6/10/13 mm thick thermal insulation or with corrugated protective sheath.

ADVANTAGES / STRENGTHS

Quick and easy installation system: flexible, light and stable (thanks to the aluminium core).

Impermeable to oxygen and UV rays. **

Resistant to corrosion and chemicals.

Low pressure drops.

Suitable for multiple applications:

- Distribution of hot and cold drinking water
- Radiant heating and cooling systems (low temperature)
- Radiator heating systems (high temperature)
- Compressed air distribution systems

Reduced thermal expansion generated when the temperature of the fluid in transit changes.

Durability guaranteed by product standards for at least 50 years!

Insurance backed 1year warranty as standard

Resistant to high pressures (10 bar in all the categories of application foreseen by the UNI EN ISO 21003-1 standard).

Resistant to high temperatures (+ 95 °C).

PIPE AL-COBRAPEX

The structure

EN ISO 21003-2:2011 Multilayer Piping Systems For Hot and Cold Water Installations Inside the Buildings



Pex-Al-Pex

Multilayer Pipe

Multilayer Pipe coils - Pex-Al-Pex

Pex-Al-Pex cross linked multilayer pipe with aluminium barrier. Coils supplied in a carton.



PRODUCT CODE	SIZE	COIL
0600024	14 x 2.0	100 M
0600002	16 x 2.0	100 M
0600004	20 x 2.0	100 M
0600019	25 x 2.5	50 M
0600014	32 x 3.0	25 M
0600064	32 x 3.0	50 M

Multilayer Pipe coils - Pex-Al-Pex

Pex-Al-Pex cross linked multilayer pipe with aluminium barrier. Coils supplied without a carton, bulk.



PRODUCT CODE	SIZE	COIL
0600067	16 x 2.0	100 M
0600068	16 x 2.0	200 M
0600015	16 x 2.0	500 M
0600070	20 x 2.0	100 M

Multilayer Pipe straights - Pex-Al-Pex

Pex-Al-Pex cross linked multilayer pipe with aluminium barrier. Straight lengths / bars supplied in multiples.



PRODUCT CODE	SIZE	BAR LENGTH / QTY
0600020	16 x 2.0	4 M x 15pc = 60 M
0600026	16 x 2.0	4 M x 60pc = 240 M
0600017	20 x 2.0	4 M x 10pc = 40 M
0600023	20 x 2.0	4 M x 40pc = 160 M
0600027	25 x 2.5	4 M x 20pc = 80M
0600006	32 x 3.0	4 M x 10pc = 40 M
0600005	40 x 3.5	4 M x 5pc = 20 M
0600009	50 x 4.0	4 M x 5pc = 20 M
0600008	63 x 4.5	4 M x 3pc = 12 M
0600071	75 x 5.0	5 M x 1pc = 5 M
0600073	90 x 7.0	5 M x 1pc = 5 M

Pex-Al-Pex

Multilayer Pipe

Multilayer Pipe coils - Pex-Al-Pex with Protective Sheath

Pex-Al-Pex cross linked multilayer pipe with aluminium barrier. Protective sheath in blue.



PRODUCT CODE	SIZE	COIL
0640009	14 x 2.0	50 M
0640001	16 x 2.0	50 M
0640004	16 x 2.0	100 M
0640007	18 x 2.0	50 M
0640003	20 x 2.0	50 M

Multilayer Pipe coils - Pex-Al-Pex with Protective Sheath

Pex-Al-Pex cross linked multilayer pipe with aluminium barrier. Protective sheath in red.



PRODUCT CODE	SIZE	COIL
0640010	14 x 2.0	50 M
0640002	16 x 2.0	50 M
0640005	16 x 2.0	100 M
0640008	18 x 2.0	50 M
0640006	20 x 2.0	50 M

Multilayer Pipe coils - Pex-Al-Pex Twin with Protective Sheath

Pex-Al-Pex cross linked multilayer pipe with aluminium barrier. Twin pipe coils with protective sheath in grey.



PRODUCT CODE	SIZE	COIL
0640019	16 x 2.0	50 M
0640020	20 x 2.0	50 M

Pex-Al-Pex

Multilayer Pipe

Multilayer Pipe coils - Pex-Al-Pex with Insulation

Pex-Al-Pex cross linked multilayer pipe with aluminium barrier. Pre insulated coils in blue.



PRODUCT CODE	SIZE	INS	COIL
0620018	14 x 2.0	6 mm	50 M
0620004	16 x 2.0	6 mm	50 M
0620014	16 x 2.0	6 mm	100 M
0620093	16 x 2.0	10 mm	50 M
0620021	18 x 2.0	6 mm	50 M
0620006	20 x 2.0	6 mm	50 M
0620095	20 x 2.0	10 mm	50 M
0620026	25 x 2.5	6 mm	50 M
0620097	25 x 2.5	10 mm	50 M
0620005	26 x 3.0	6 mm	50 M
0620099	26 x 3.0	10 mm	50 M
0620022	32 x 3.0	6 mm	25 M
0620101	32 x 3.0	10 mm	25 M

Multilayer Pipe coils - Pex-Al-Pex with Insulation

Pex-Al-Pex cross linked multilayer pipe with aluminium barrier. Pre insulated coils in red.



PRODUCT CODE	SIZE	INS	COIL
0620012	14 x 2.0	6 mm	50 M
0620001	16 x 2.0	6 mm	50 M
0620009	16 x 2.0	6 mm	100 M
0620092	16 x 2.0	10 mm	50 M
0620017	18 x 2.0	6 mm	50 M
0620003	20 x 2.0	6 mm	50 M
0620094	20 x 2.0	10 mm	50 M
0620025	25 x 2.5	6 mm	50 M
0620096	25 x 2.5	10 mm	50 M
0620002	26 x 3.0	6 mm	50 M
0620098	26 x 3.0	10 mm	50 M
0620010	32 x 3.0	6 mm	25 M
0620100	32 x 3.0	10 mm	25 M

ADVANTAGES / STRENGTHS

Tiemme press fittings for multilayer pipe adapt to any type of heating/cooling and sanitation system, with applications in residential, commercial, industrial and agricultural sectors and in general, with any kind of non-corrosive fluid.

These fittings are used to make irreversible joints and so can be used for chased installations in compliance with current standards.

These press fittings are characterised by their sealing mechanism which is created by mechanical deformation of the external stainless steel bush.

This deformation is carried out using a specific tool equipped with suitable steel jaws, ensuring that the clamping pressure is consistent and is at an optimal level for all the fittings, thus increasing the reliability of the joint.

Tiemme press fittings are also characterised by the presence of a polymer ring which performs three very important functions:

- Due to the plastic material is its dielectric function, this prevents the internal aluminium layer of the pipe from coming into contact with the body of the fitting (in brass) and triggering the galvanic corrosion process, caused by stray currents
- Viewing windows are of fundamental importance that allow the installer to visually and easily check that the pipe is correctly inserted into the fitting.
- The third function facilitates the correct positioning of the fitting to be pressed inside the "TH" profile crimping tool. This quickly and easily verifies and guarantees peace of mind during installation.

BENEFITS

- Double gasket and anti-slip profile.
- Stainless-steel pipe clamping bush.
- Plastic ring nut with 4 viewing windows.
- Multi-crimp fittings TH, U, H, B, RF.
- Can be chase installed.

TECHNICAL SPECIFICATIONS

Maximum working temperature:	+95 °C
Minimum working temperature:	-20 °C (provided the fluid remains in liquid phase)
Maximum working pressure:	10 bar
Fluid compatibility:	Drinking water, water and glycol solutions (maximum percentage of glycol 30%) non-corrosive fluids *

Press Fit Straight Coupler

Brass press fitting with double o-ring anti slip profile, stainless steel clamping bush, plastic collar with 4 viewing windows.

Suitable for crimp profiles; TH, U, H, B, RF



PRODUCT CODE	SIZE
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1650159	14 x 14
1650016	16 x 16
1650101	18 x 18
1650022	20 x 20
1650212	25 x 25
1650037	26 x 26
1650051	32 x 32
1650059	40 x 40
1650060	50 x 50
1650068	63 x 63
1651111	75 x 75
1651254	90 x 90

Reducing coupler

1650221	16 x 14
1650193	18 x 16
1650040	20 x 16
1650177	20 x 18
1650333	25 x 16
1650228	25 x 20
1650093	26 x 16
1650247	26 x 18
1650052	26 x 20
1650337	26 x 25
1650186	32 x 16
1650115	32 x 20
1650288	32 x 25
1650067	32 x 26
1651046	40 x 25
1650150	40 x 26
1650103	40 x 32
1651409	50 x 20
1650154	50 x 32
1650126	50 x 40
1650170	63 x 40
1650145	63 x 50
1651113	75 x 50
1651112	75 x 63
1651261	90 x 63
1651256	90 x 75

Press Fittings

Straight Male Press Fit

Brass press fitting with double o-ring anti slip profile, stainless steel clamping bush, plastic collar with 4 viewing windows.

Suitable for crimp profiles; TH, U, H, B, RF



PRODUCT CODE SIZE

1660004	16 x 2.0 x 1/2"
1660031	16 x 2.0 x 3/4"
1660006	20 x 2.0 x 1/2"
1660018	20 x 2.0 x 3/4"
1660124	25 x 2.5 x 1/2"
1660070	25 x 2.5 x 3/4"
1660071	25 x 2.5 x 1"
1660012	26 x 3.0 x 3/4"
1660064	26 x 3.0 x 1"
1660021	32 x 3.0 x 1"
1650121	32 x 1"1/4
1650065	40 x 1"1/4
1651410	50 x 1"
1650084	50 x 1"1/2
1650089	63 x 2"
1651109	75 x 2"1/2
1651263	90 x 3"

Straight Female Press Fit

Brass press fitting with double o-ring anti slip profile, stainless steel clamping bush, plastic collar with 4 viewing windows.

Suitable for crimp profiles; TH, U, H, B, RF



PRODUCT CODE SIZE

1660009	16 x 2.0 x 1/2"
1650116	16 x 3/4"
1660010	20 x 2.0 x 1/2"
1660125	25 x 2.5 x 1/2"
1650253	25 x 3/4"
1650268	25 x 1"
1660016	26 x 3.0 x 3/4"
1660065	26 x 3.0 x 1"
1660066	32 x 3.0 x 1"
1650139	32 x 1"1/4
1650094	40 x 1"1/4
1651217	40 x 1"1/2
1650122	50 x 1"1/2
1651218	63 x 2"
1651110	75 x 2"1/2
1651262	90 x 3"

Straight Press Fit x Compression Fitting

Brass press fitting with double o-ring anti slip profile, stainless steel clamping bush, plastic collar with 4 viewing windows.

Suitable for crimp profiles; TH, U, H, B, RF



PRODUCT CODE SIZE

1650120	16 x 2.0 x 15mm
1650164	20 x 2.0 x 22mm
1650236	26 x 3.0 x 22mm
1650335	26 x 3.0 x 28mm

Elbow Press Fit x Compression Fitting

Brass press fitting with double o-ring anti slip profile, stainless steel clamping bush, plastic collar with 4 viewing windows.

Suitable for crimp profiles; TH, U, H, B, RF



PRODUCT CODE SIZE

1650283	16 x 2.0 x 15mm
1650284	20 x 2.0 x 22mm
1650324	26 x 3.0 x 22mm

Press Fittings

Male Press Fit x Loose Nut

Brass press fitting with double o-ring anti slip profile, stainless steel clamping bush, plastic collar with 4 viewing windows. Includes flat washer. Suitable for crimp profiles; TH, U, H, B, RF



PRODUCT CODE SIZE

1650301	14 x 1/2"
1650256	16 x 3/8"
1650034	16 x 1/2"
1650133	16 x 3/4"
1650297	16 x 1"
1650241	18 x 1/2"
1650328	18 x 3/4"
1650061	20 x 1/2"
1650062	20 x 3/4"
1651105	20 x 1"
1650303	25 x 3/4"
1650233	25 x 1"
1650072	26 x 3/4"
1650071	26 x 1"
1650294	26 x 1 1/4"
1650354	32 x 3/4"
1650134	32 x 1"
1650161	32 x 1 1/4"
1650240	32 x 1 1/2"
1651176	40 x 1 1/4"
1650239	40 x 1 1/2"
1651177	50 x 1 1/2"
1650257	50 x 2"
1651178	63 x 2"
1650275	63 x 2 1/2"
1651179	75 x 2 1/2"

Press Fit Elbow

Brass press fitting with double o-ring anti slip profile, stainless steel clamping bush, plastic collar with 4 viewing windows. Suitable for crimp profiles; TH, U, H, B, RF



PRODUCT CODE SIZE

1650218	14 x 14
1650011	16 x 16
1650107	18 x 18
1650348	20 x 16
1650006	20 x 20
1650140	25 x 25
1650003	26 x 26
1650013	32 x 32
1650036	40 x 40
1650043	50 x 50
1650056	63 x 63
1651118	75 x 75
1651253	90 x 90

Wall Plate Press Fit Elbow

Brass press fitting with double o-ring anti slip profile, stainless steel clamping bush, plastic collar with 4 viewing windows. Suitable for crimp profiles; TH, U, H, B, RF



PRODUCT CODE SIZE

1650263	14 x 1/2"
1650004	16 x 1/2"
1651044	16 x 3/4"
1650100	18 x 1/2"
1650038	20 x 1/2"
1651045	20 x 3/4"
1651049	26 x 3/4"



Press Fittings

Press Fit Tee - Female BSP

Brass press fitting with double o-ring anti slip profile, stainless steel clamping bush, plastic collar with 4 viewing windows.

Female BSP thread on branch.

Suitable for crimp profiles; TH, U, H, B, RF



PRODUCT CODE SIZE A - B - C

1650234	14 x 1/2" x 14
1650031	16 x 1/2" x 16
1650104	18 x 1/2" x 18
1650271	18 x 3/4" x 18
1650039	20 x 1/2" x 20
1650079	20 x 3/4" x 20
1650833	25 x 1/2" x 25
1650261	25 x 3/4" x 25
1650105	26 x 1/2" x 26
1650048	26 x 3/4" x 26
1650142	32 x 1/2" x 32

PRODUCT CODE SIZE A - B - C

1650125	32 x 3/4" x 32
1650054	32 x 1" x 32
1651128	40 x 3/4" x 40
1650118	40 x 1" x 40
1650112	40 x 1 1/4" x 40
1650130	50 x 3/4" x 50
1650146	50 x 1" x 50
1650162	63 x 1" x 63
1651248	63 x 1 1/2" x 63
1651122	75 x 1 1/4" x 75
1651255	90 x 1" x 90
1651268	90 x 1 1/4" x 90

Press Fit Equal Tee

Brass press fitting with double o-ring anti slip profile, stainless steel clamping bush, plastic collar with 4 viewing windows.

Suitable for crimp profiles; TH, U, H, B, RF



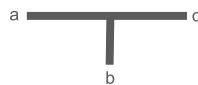
PRODUCT CODE SIZE A - B - C

1650190	14 x 14 x 14
1650002	16 x 16 x 16
1650042	18 x 18 x 18
1650005	20 x 20 x 20
1650181	25 x 25 x 25
1650018	26 x 26 x 26
1650058	32 x 32 x 32
1650083	40 x 40 x 40
1650108	50 x 50 x 50
1650109	63 x 63 x 63
1651114	75 x 75 x 75
1651265	90 x 90 x 90

Press Fit Unequal Tee

Brass press fitting with double o-ring anti slip profile, stainless steel clamping bush, plastic collar with 4 viewing windows.

Suitable for crimp profiles; TH, U, H, B, RF



PRODUCT CODE SIZE A - B - C

1650265	16 x 14 x 14
1650249	16 x 14 x 16
1651239	16 x 18 x 16
1650070	16 x 20 x 16
1650350	16 x 25 x 16
1650351	16 x 26 x 16
1650276	18 x 16 x 16
1650169	18 x 16 x 18
1651244	18 x 18 x 16
1651241	18 x 20 x 18
1650019	20 x 16 x 16
1651246	20 x 16 x 18

Press Fittings

Press Fit Unequal Tee - continued

Brass press fitting with double o-ring anti slip profile, stainless steel clamping bush, plastic collar with 4 viewing windows.

Suitable for crimp profiles; TH, U, H, B, RF



PRODUCT CODE SIZE A - B - C

1650008	20 x 16 x 20
1650232	20 x 18 x 18
1650188	20 x 18 x 20
1650045	20 x 20 x 16
1650242	20 x 20 x 18
1650825	20 x 25 x 20
1650069	20 x 26 x 20
1650290	25 x 16 x 16
1650821	25 x 16 x 20
1650220	25 x 16 x 25
1650826	25 x 20 x 16
1650213	25 x 20 x 20
1650201	25 x 20 x 25
1650321	25 x 25 x 16
1650244	25 x 25 x 20
1650822	25 x 32 x 25
1650102	26 x 16 x 16
1650078	26 x 16 x 20
1650026	26 x 16 x 26
1650226	26 x 18 x 26
1650132	26 x 20 x 16
1650047	26 x 20 x 20
1650017	26 x 20 x 26
1650127	26 x 26 x 16
1650063	26 x 26 x 20
1650165	26 x 32 x 26
1650073	32 x 16 x 32
1650156	32 x 20 x 20
1650827	32 x 20 x 25
1650136	32 x 20 x 26
1650055	32 x 20 x 32
1651037	32 x 25 x 20
1650823	32 x 25 x 25
1650828	32 x 25 x 32
1650075	32 x 26 x 26
1650064	32 x 26 x 32
1650143	32 x 32 x 20

PRODUCT CODE SIZE A - B - C

1650824	32 x 32 x 25
1650119	32 x 32 x 26
1650199	32 x 40 x 32
1650195	40 x 16 x 40
1650096	40 x 20 x 40
1650829	40 x 25 x 40
1650081	40 x 26 x 40
1650128	40 x 32 x 32
1650095	40 x 32 x 40
1650830	40 x 40 x 25
1650222	40 x 40 x 26
1650192	40 x 40 x 32
1650259	40 x 50 x 40
1650308	50 x 16 x 50
1650168	50 x 20 x 50
1650831	50 x 25 x 50
1650117	50 x 26 x 50
1650123	50 x 32 x 50
1650196	50 x 40 x 40
1650148	50 x 40 x 50
1650230	50 x 50 x 32
1650224	50 x 50 x 40
1651406	63 x 20 x 63
1650832	63 x 25 x 63
1650086	63 x 26 x 63
1650129	63 x 32 x 63
1650147	63 x 40 x 63
1650166	63 x 50 x 63
1651407	75 x 40 x 75
1651116	75 x 50 x 75
1651408	75 x 63 x 63
1651115	75 x 63 x 75
1651266	90 x 63 x 90
1651267	90 x 75 x 90

Press Fittings

Male Elbow Press Fit

Brass press fitting with double o-ring anti slip profile, stainless steel clamping bush, plastic collar with 4 viewing windows.

Suitable for crimp profiles; TH, U, H, B, RF



Female Elbow Press Fit

Brass press fitting with double o-ring anti slip profile, stainless steel clamping bush, plastic collar with 4 viewing windows.

Suitable for crimp profiles; TH, U, H, B, RF



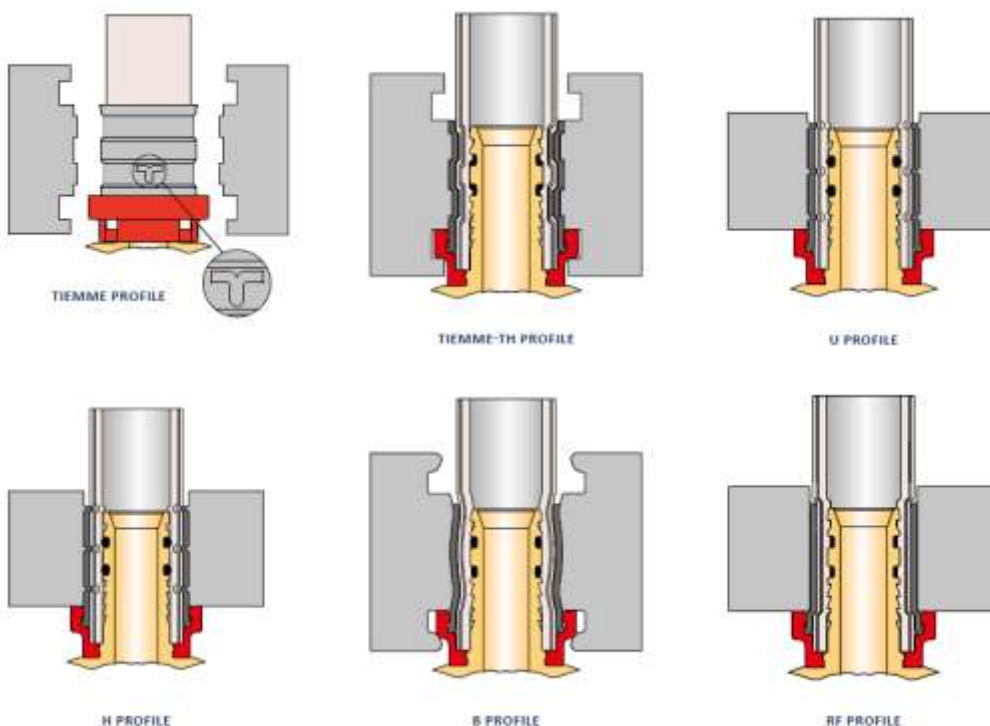
PRODUCT CODE SIZE

1650231	14 x 1/2"
1651047	16 x 3/8"
1660008	16 x 1/2"
1650090	18 x 1/2"
1650207	18 x 3/4"
1660022	20 x 1/2"
1660029	20 x 3/4"
1650280	25 x 3/4"
1660025	26 x 3/4"
1651036	26 x 1"
1660030	32 x 1"
1650152	40 x 1"1/4
1650185	50 x 1"1/2
1650203	63 x 2"

PRODUCT CODE SIZE

1650135	14 x 1/2"
1660003	16 x 1/2"
1650049	18 x 1/2"
1650204	18 x 3/4"
1660007	20 x 1/2"
1660167	20 x 3/4"
1660073	25 x 3/4"
1651013	25 x 1"
1660014	26 x 3/4"
1650080	26 x 1"
1660027	32 x 1"
1650114	40 x 1"1/4
1650163	50 x 1"1/2

Tiemme press fittings are designed and tested for use with the following profiles



Press Fittings

Press Fit Tee - Male BSP

Brass press fitting with double o-ring anti slip profile, stainless steel clamping bush, plastic collar with 4 viewing windows.

Male BSP thread on branch.

Suitable for crimp profiles; TH, U, H. B, RF



PRODUCT CODE SIZE A - B - C

1650339	14 x 1/2" x 14
1650085	16 x 1/2" x 16
1650258	18 x 1/2" x 18
1650318	18 x 3/4" x 18
1650092	20 x 1/2" x 20
1650131	20 x 3/4" x 20

PRODUCT CODE SIZE A - B - C

1650149	26 x 1/2" x 26
1650098	26 x 3/4" x 26
1650167	26 x 1" x 26
1650657	32 x 3/4" x 32
1650155	32 x 1" x 32
1650209	40 x 1"1/4 x 40

Press Fit Ball Valve

Brass press fitting ball valve with double o-ring anti slip profile, stainless steel clamping bush, plastic collar with 4 viewing windows.

Suitable for crimp profiles; TH, U, H. B, RF



PRODUCT CODE SIZE

1680010	16 x 16
1680065	18 x 18
1680007	20 x 20
1680025	25 x 25
1680008	26 x 26

Press Fit Stop End

Brass press fitting with double o-ring anti slip profile, stainless steel clamping bush, plastic collar with 4 viewing windows.

Suitable for crimp profiles; TH, U, H. B, RF



PRODUCT CODE SIZE

1650279	14
1650208	16
1650336	18
1650216	20
1650282	26
1650310	32
1650315	40

Press Fittings

Press Fit to Copper Pipe Compression

Straight brass pipe stand off allows standard copper pipe compression fittings to be attached to press fit, Crimp profiles; TH, U, H, B, RF



PRODUCT CODE	SIZE
--------------	------

1650347	16 x 1/2" dia
1650317	16 x 15mm dia
1650334	20 x 15mm dia
1650313	20 x 22mm dia
1650340	26 x 22mm dia
1650345	26 x 28mm dia

Press Fit 45deg Elbow

Brass press fitting with double o-ring anti slip profile, stainless steel clamping bush, plastic collar with 4 viewing windows.

Suitable for crimp profiles; TH, U, H, B, RF



PRODUCT CODE	SIZE
--------------	------

1650197	26 x 26
1650176	32 x 32
1650124	40 x 40
1650144	50 x 50
1650172	63 x 63
1651117	75 x 75
1651264	90 x 90

Double U shape Wall Plate Press Fit

Brass press fitting with double o-ring anti slip profile, stainless steel clamping bush, plastic collar with 4 viewing windows.

Suitable for crimp profiles; TH, U, H, B, RF



PRODUCT CODE	SIZE
--------------	------

1651315	16 x 1/2" x 16
1651317	20 x 1/2" x 16

Double Elbow Wall Plate Press Fit

Brass press fitting with double o-ring anti slip profile, stainless steel clamping bush, plastic collar with 4 viewing windows.

Suitable for crimp profiles; TH, U, H, B, RF



PRODUCT CODE	SIZE
--------------	------

1650371	14 x 1/2"
1650215	16 x 1/2"
1650373	18 x 1/2"
1650267	20 x 1/2"

Press Fit Pipe Repair

Pipe repair piece. 25mm cutting length which can be inserted between the two lengths for repair.

Suitable for crimp profiles; TH, U, H, B, RF



PRODUCT CODE	SIZE
--------------	------

1650330	14
1650202	16
1650292	18
1650200	20

Battery Press Tool - Standard - sizes 14mm - 90mm

Standard battery powered automatic press tool for sizes from 14mm to 90mm. Plastic case includes press tool, Li-ion battery, 18v 2.0Ah and charger.



PRODUCT CODE	JAWS
--------------	------

1590085	Not included
1590086	16 - 20 - 26

Standard Jaws

Range of press jaws to suit Standard press tool.
TH Profile, except where stated.



PRODUCT CODE	JAW SIZE
--------------	----------

1590023	14
1590005	16
1590017	18
1590004	20
1590030	25
1590006	26
1590001	32
1590010	40
1590008	50 3 piece
1590012	63 3 piece
1590123	75 U profile 3 piece
1590101	75 4 piece
1590117	90 U profile 4 piece

Battery Press Tool - Mini - sizes 14mm - 32mm

Mini battery powered automatic press tool for sizes from 14mm to 32mm. Plastic case includes press tool, Li-ion battery, 12v 2.0Ah and charger.



PRODUCT CODE	JAWS
--------------	------

1590089	Not included
1590090	16 - 20 - 26

Mini Jaws

Range of press jaws to suit Mini press tool.
TH Profile.



PRODUCT CODE	JAW SIZE
--------------	----------

1590050	14
1590025	16
1590041	18
1590027	20
1590024	25
1590036	26
1590028	32

Tools

Pipe Cutter - 0 - 35mm

Hand held pipe cutter, for straight 90degree pipe cuts, suitable for plastic pipes up to 35mm.



PRODUCT CODE	DESCRIPTION
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0340015	Pipe Cutter
---------	-------------

Pipe Cutter - 0 - 42mm

Hand held pipe cutter, suitable for plastic pipes up to 42mm.



PRODUCT CODE	DESCRIPTION
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0340022	Pipe Cutter
---------	-------------

Pipe Cutter - 0 - 63mm

Hand held pipe cutter, suitable for plastic pipes up to 63mm.



PRODUCT CODE	DESCRIPTION
--------------	-------------

0340036	Pipe Cutter
---------	-------------

Pipe Deburrer

Universal deburrer.



PRODUCT CODE	DESCRIPTION
--------------	-------------

0340026	Pipe Deburrer
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Pipe Calibrator / Deburrer

Used to calibrate pipe cut ends ready for assembly.



PRODUCT CODE	DESCRIPTION
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0340006	16 x2.0
0340019	18 x 2.0
0340008	20x2.0
0340009	25x2.5 / 26x3.0
0340014	32x3.0

Pipe Decoiler

Standard pipe decoiler for plastic pipe.

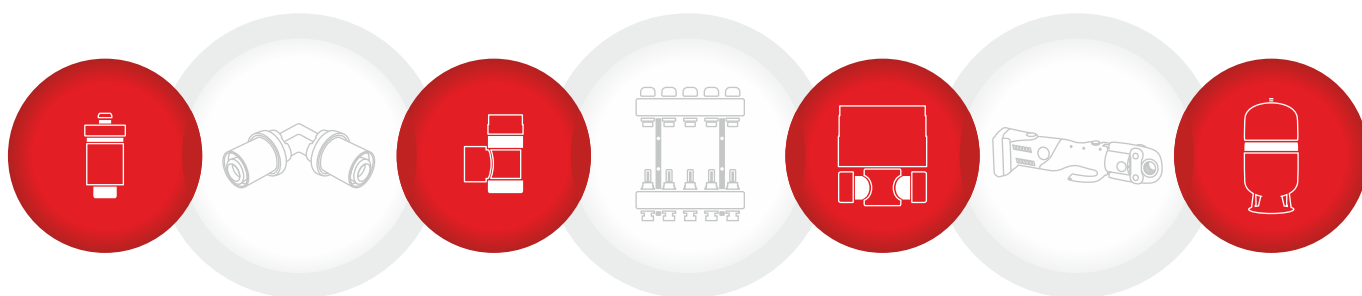


PRODUCT CODE	DESCRIPTION
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4500028	Pipe Decoiler
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CHAPTER 3

UNDERFLOOR HEATING



Underfloor Heating Manifold

Brass manifold, complete with flow meters, flow valves for use with eletro-thermal actuator heads. Supplied with full bore 1" valves with thermometers, drain valve and manual air release valve. Supplied with wall brackets.

Supplied as a pair for flow and return.



Underfloor Heating Manifold - with bypass

Brass manifold, complete with flow meters, flow valves for use with eletro-thermal actuator heads. Supplied with full bore 1" valves with thermometers, drain valve and manual air release valve and bypass. Supplied with wall brackets.

Supplied as a pair for flow and return.



PRODUCT CODE	SIZE	PORTS
--------------	------	-------

3850045	1"G	2
3850029	1"G	3
3850020	1"G	4
3850011	1"G	5
3850010	1"G	6
3850009	1"G	7
3850002	1"G	8
3850014	1"G	9
3850036	1"G	10
3850041	1"G	11
3850022	1"G	12
3850118	1"G	13
3850119	1"G	14

PRODUCT CODE	SIZE	PORTS
--------------	------	-------

385 0062	1"G	2
385 0061	1"G	3
385 0043	1"G	4
385 0026	1"G	5
385 0001	1"G	6
385 0004	1"G	7
385 0008	1"G	8
385 0013	1"G	9
385 0006	1"G	10
385 0021	1"G	11
385 0007	1"G	12
385 0120	1"G	13
385 0121	1"G	14

Underfloor Mixing Unit

High efficiency pump (EEI 0,23) with variable speed and permanent magnets.

Safety thermostat setting at 55°C (EN1264)

2 Thermometers (on low temperature flow and on return)



PRODUCT CODE	DESCRIPTION
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3890036	Wilo Para 25/7
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Multilayer Pex-al-Pex to Manifold Fittings

Adapter for Pex-al-Pex multilayer pipe to connect to distribution manifold with 3/4"x18 connections.

EUROCONUS style with double o-ring seal and brass split olive for mechanical strength



PRODUCT CODE	DESCRIPTION
--------------	-------------

1440171	14 x 2,0 - 3/4" (ø18)
1440080	16 x 2,0 - 3/4" (ø18)
1440119	16 x 2,25 - 3/4" (ø18)
1440172	17 x 2,0 - 3/4" (ø18)
1440122	18 x 2,0 - 3/4" (ø18)
1440100	20 x 2,0 - 3/4" (ø18)
1440173	20 x 2,25 - 3/4" (ø18)
1440174	20 x 2,5 - 3/4" (ø18)

Actuator Head

Electro thermal actuator head for exclusive use with distribution manifold.

230v and 24v versions available.



PRODUCT CODE	DESCRIPTION
--------------	-------------

4500026	24v
4500012	230v
4500045	24v with micro switch
4500006	230v with micro switch

Pipe Protection Elbow

Plastic elbow to protect plastic pipe.



PRODUCT CODE	SIZE
--------------	------

0340076	10 - 12
0340077	14 - 18
0340078	20 - 22
0340079	25

advantay



Steel Wall Box for Manifolds

Adjustable height and depth wall boxes to house distribution manifolds for underfloor heating installations.

Depth adjustable between 90mm and 140mm



PRODUCT CODE	DESCRIPTION
1810192	400 x 660 x 90 - 140
1810193	500 x 660 x 90 - 140
1810206	600 x 660 x 90 - 140
1810194	700 x 660 x 90 - 140
1810195	1000 x 660 x 90 - 140

Steel Wall Box for Manifolds with Fitted Mixing Unit

Adjustable height and depth wall boxes to house distribution manifolds with mixing units for underfloor heating installations.

Depth adjustable between 120mm and 170mm



PRODUCT CODE	DESCRIPTION
1810020	600 x 670 x 120 - 170
1810016	700 x 670 x 120 - 170
1810015	850 x 670 x 120 - 170

Moisture Barrier

PE moisture proof barrier membrane.
1.2m width x 100m roll
1.2mm thickness



PRODUCT CODE	DESCRIPTION
4500025	moisture barrier

Corrosion Inhibitor for UFH

Protects against corrosion of metal and includes fungicide and bactericide for heating and cooling systems.

1ltr bottle treats 100ltr of circulating water



PRODUCT CODE	DESCRIPTION
4500486	1ltr bottle

Foam Perimeter Self Adhesive

PE moisture proof barrier membrane.
1.2m width x 100m roll, priced per meter
1.2mm thickness



PRODUCT CODE	DESCRIPTION
4500443	150mm x 5mm
4500007	150mm x 8mm

Underfloor Heating

advantay



TIEMME SLIM is the new Tiemme system designed to meet the demand for low thermal inertia and thin radiant systems. Designed to satisfy system requirements in renovation processes, it is thin and can be bonded on the existing floor, thus enabling to create a system without any need for demolitions.

It supports 16x2mm and 17x2mm diameter pipes. Designed to be used with liquid screed for optimum performance.

Panel sizes 1400mm x 800mm.

Self adhesive panels if supplied are without insulation backing.



PRODUCT CODE	INSULATION MM	TOTAL THICKNESS MM	QTY PER BOX
4500641	None (self adhesive)	19	16
4500642	5mm	23.6	20

advantay



TIEMME TECHNO GRAPHITE is the new Tiemme system designed to meet the demand for low thermal inertia and thin radiant systems. Designed for use in both renovation and new build and is supplied with bonded insulation panels in varying thicknesses to satisfy system requirements

It supports 16x2mm and 17x2mm diameter pipes. Designed to be used with liquid screed for optimum performance.

Usable panel sizes 1400mm x 800mm with overlap and interlocking grooves to ensure seamless screed coverage. (overall panel size: 1450mm x 850mm)



PRODUCT CODE	INSULATION MM	TOTAL THICKNESS MM	QTY PER BOX
4500487	10mm	32mm	18
4500488	19mm	41mm	12
4500489	34mm	56mm	9
4500490	42mm	64mm	8
4500491	57mm	79mm	6

Underfloor Heating

advantay



Dry is the new Tiemme dry system designed to meet the demand for low thermal inertia dry radiant systems. Available in different degrees of thickness, thus enabling applications both in new buildings, with UNI EN 1264 compliant values of thermal resistance, and renovations, when reduced system size is a priority. Quick laying, no downtime for letting the screed dry. High thermal conductivity, due to the 0.15 mm aluminum foil pre-assembled with the EPS panel. Available with 150mm and 100mm distance, for maximum performance both in winter and summer. Made in high mechanical strength (EPS 300) graphite sintered polystyrene foam, it is suitable for 16x2mm pipes and guarantees a high flow rate and reduced pressure drop.

Low thermal inertia due to the absence of the screed, enabling short response time. Ideal for heating and cooling systems and available with 100 or 150 mm laying distance.

Tiles or Ceramic floor can be bonded directly onto the panel, by protecting them with the aluminum foil primer. When using wood, we recommend to lay a floating floor or bond with a specific lowered concrete mortar.

Panel sizes 1400mm x 800mm.



PRODUCT CODE	THICKNESS	SPACING	CS 10% (kpa)	QTY PER BOX
4500562	26	100	300	10
4500563	42	100	300	6
4500564	26	150	300	10
4500565	42	150	300	6



PRODUCT CODE	DESCRIPTION
4500566	Aluminium tape, self adhesive, 50mm x 50m roll



Underfloor Heating

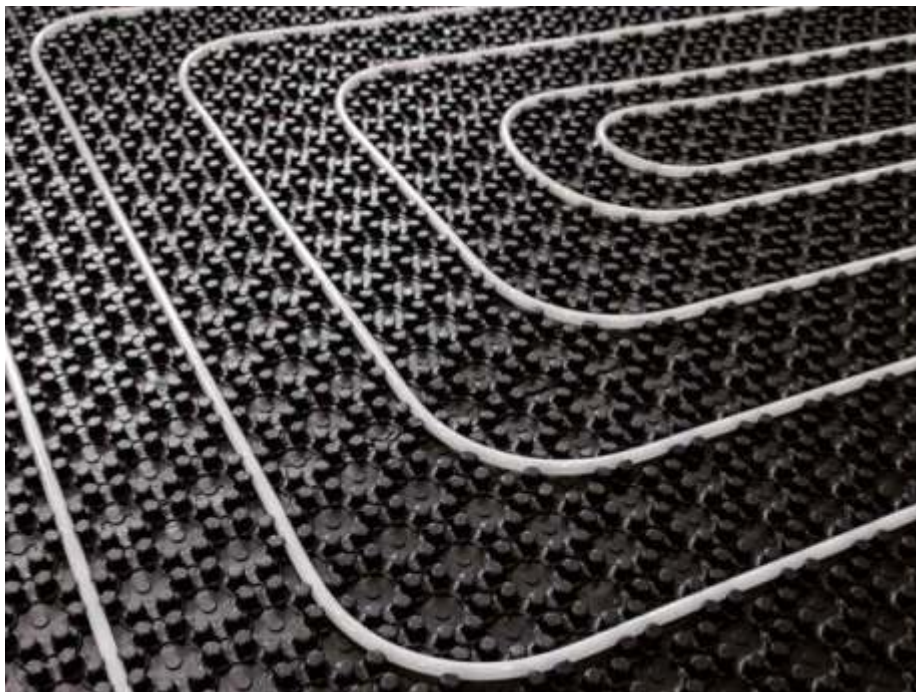
advantay



Advantay in partnership with Tiemme are able to offer a full tailored underfloor heating package according to your requirements and designs.

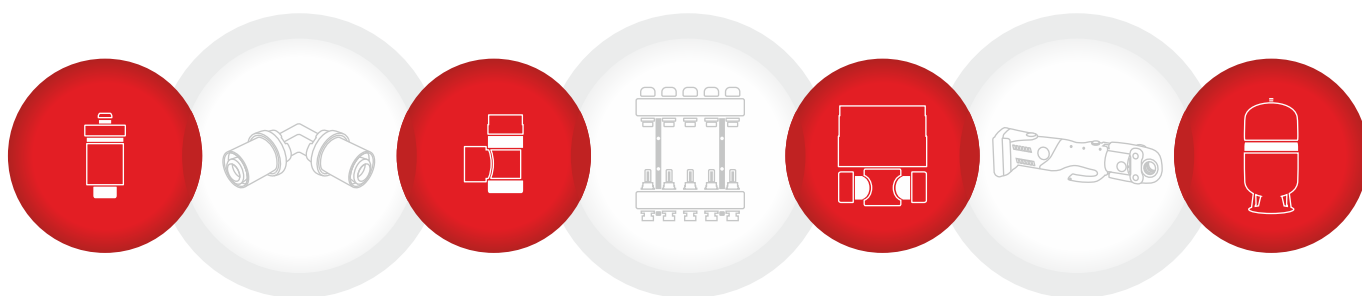
With a team of 12 technical members of staff available, tailored quotes can be produced within 24/48hours after submission of your specification and drawings.

A full list of parts required along with prices will then be submitted for your approval prior to schematic drawings being made available.



CHAPTER 4

PLUMBING & HEATING



Unvented Heater Spares

Popular Thermowatt Official Spares

PRODUCT CODE	DESCRIPTION
RTIH34016	14", 1 -3/4" boss, incalloy element, 3kw, 240V with RTS thermostat
TI1-14/RTS	14", 1 -3/4" boss, titanium element, 3kw, 240V with RTS thermostat
IN2-14/RTSA	14", 2 -1/4" boss, incalloy element, 3kw, 240V with RTS thermostat
RTS181316	RTS-3 Official thermostat for RM cylinders and many others



Popular Cotherm Official Spares

PRODUCT CODE	DESCRIPTION
ELE14INUNV	14", 1 -3/4" boss, incalloy element,
ELE11INUNV	11", 1 -3/4" boss, universal incalloy element
ELE14INFAB	14", 1 -3/4" boss, incalloy heating element, Fabdec, Advanced App
ELE14INDJV	14", 1 -3/4" DZR boss, incalloy heating element, Valliant
ELE14TIUNV	14", 1 -3/4" boss, titanium heating element
TSR00009	Official Heatrae Sadia Megaflo replacement rod thermostat
TSR00014	Official replacement thermostat for Fabdec heating elements
TSE00187	Official thermostat for the universal unvented heating elements
GTLH0166	Official Heatrae Sadia Multipoint replacement thermostat Heatrae Sadia Code 95612667
BBSC3023	Official Heatrae Sadia dual capillary Megaflo Eco thermostat Heatrae Sadia Code 95612716
BBSC0131	Official Heatrae Sadia dual capillary thermostat for Megaflo Heatrae Sadia Code 95612717



Heating Spares



PRODUCT CODE	OEM CODE	DESCRIPTION
0092300010	GB10002	FLAT RECTANGLE 10 LITRE EXPANSION VESSEL
0059202230	GB10011	1/2" MALE/15mm COMP PRESSURE RELIEF VALVE, 1/4" GAUGE PORT
0050700038		3/8" MALE AUTOMATIC AIR VENT
40055627	GB10012	37MM PRESSURE INDICATOR 0-4 BAR, 1.5m PRESSURE TUBE



PRODUCT CODE	OEM CODE	DESCRIPTION
0058301230	COM301	1/2" BSP, F/F 3 BAR, 1/4" GAUGE PORT
0090591234	COM304	1/2" M STRAIGHT 3/4" ELBOW 450MM HOSE
0090200500PC	COM309	Part L FILLING LOOP 15MM COMPRESSION & END CAPS
90453215	COM305	50mm 1/4" BSPT BOTTOM 0-4 BAR GAUGE
0089100015	COM408	15mm Y TYPE STRAINER
0092100007	SYS440	7ltr FLAT ROUND EXPANSION VESSEL, 385MM DIA
0092100010	SYS010	10ltr FLAT ROUND EXPANSION VESSEL, 385MM DIA
0050800012	COM317	AUTOMATIC AIR RELEASE VALVE 1/2" BSP WITH CHECK VALVE
40055661	EL046	37MM PRESSURE INDICATOR 0-4 bar, 1.0M PRESSURE TUBE



PRODUCT CODE	OEM CODE	DESCRIPTION
0050800012		AUTOMATIC AIR RELEASE VALVE 1/2" BSP WITH CHECK VALVE
0092000010	CY1541029	10ltr FLAT ROUND EXPANSION VESSEL, 320MM DIA
0092100012	CC1568006	12ltr FLAT ROUND EXPANSION VESSEL, 320MM DIA
0059202230	CC1568008	1/2" BSP x 15MM PRESSURE RELIEF VALVE, 3 BAR, 1/4" GAUGE PORT
0090571234		1/2" M STRAIGHT 3/4" F ELBOW 800MM
40100460		52mm PRESSURE INDICATOR, 0-4 BAR, 1.0M PRESSURE TUBE



PRODUCT CODE	OEM CODE	DESCRIPTION
0090200500PC	2133	15MM COMPRESSION PART L FILLING LOOP WITH END CAPS
SG000256	3019	50MM, 0-6BAR PRESSURE GAUGE - 1/4" BOTTOM CONNECTION
ADCDGAS01	3009	PRIMARY DOOR GASKET
0442010012		BALL VALVE BLACK LEVER F/F 1/2" BSP
3027	3027	RETURN DIP PIPE
0573900004	5694	EXPANSION VESSEL MANIFOLD
0059202230	2132	PRESSURE RELIEF VALVE 1/2" BSP X 15MM WITH GAUGE PORT
0090200500	2133	COMBI FILLING LOOP D/CHECK
3020	3020	1/4" x 1/2" ELBOW 1000MM S/S BRAID, 1/4" x 1/2" ELBOW
0099100004	3018	4 WAY MANIFOLD
0089100015	041	15MM Y TYPE STRAINER
BBSC0074		WARMFLOW COMBINATION THERMOSTAT FOR DUAL STAT HOUSING

Heating Spares



PRODUCT CODE	OEM CODE	DESCRIPTION
0157301525	MPCBS50X	PRESSURE RELIEF VALVE 2.5 BAR WITHOUT GAUGE PORT
0158701525	MPCBS50	PRESSURE RELIEF VALVE 2.5 BAR WITH GAUGE PORT
0157301530	MPCBS123	PRESSURE RELIEF VALVE 3 BAR WITHOUT GAUGE PORT
0158701530	MPCBS124	PRESSURE RELIEF VALVE 3 BAR WITH GAUGE PORT
B001E144A	MPSS02	40MM PRESSURE GAUGE, BACK ENTRY, 0-4 BAR



PRODUCT CODE	OEM CODE	DESCRIPTION
70021025	143000534	ROOM STAT AT 5 -30°C
70021026	143000513	FROST STAT -10 +20
0024030020	143000816	JOX RELAY 105F HF105F/4
GTLHR313	142403611	MANUAL RESET LIMIT THERMOSTAT



PRODUCT CODE	OEM CODE	DESCRIPTION
0093300012		12 LITRE EXPANSION VESSEL - INTERMEDIATE
ADVRV01522	010-22613	REDUCING VALVE
90459215		50MM BACK CONNECTION 1/4" BSPT 0-4 BAR
0059202230		PRESSURE RELIEF VALVE 3 BAR 1/2" BSP X 15MM + GAUGE PORT
0093000008	230-22281	8LTR HEATING VESSEL
0099000524		5-24LTR VESSEL BRACKET
0092000010	230-16525	10LTR FLAT ROUND EXPANSION VESSEL, 320MM DIA

Thermostats

Enclosed thermostats for use with water heaters and cylinders.

PRODUCT CODE	DESCRIPTION
91934010	Pipe/cylinder thermostat, 15A (2.5) 240V 30°C to 90°C complete with short pipe strap Liquid filled accurate sensor.
91934020	Immersion thermostat 30°C to 90°C Supplied with 100mm x 1/2" BSP pocket Liquid filled accurate sensor * Also available with 200mm x 1/2" pocket *.
91934025	Immersion manual reset thermostat set at 90°C Supplied with 100mm x 1/2" BSP pocket Liquid filled accurate sensor.
91934030	Dual thermostat, control and manual reset. 30°C to 90°C control, 110°C pre set manual reset, complete with 100mm x 1/2" BSP pocket Liquid filled accurate twin sensors.



Room thermostats, electro-mechanical, with liquid filled bellows.

PRODUCT CODE	DESCRIPTION
70020002	Basic room thermostat, 5 - 30°C, 16A/230V, SPST
70021025	Basic room thermostat, 5 - 30°C, 16A(2.5A)/250V, SPDT
70021026	Frost thermostat -10 to +20°C, 16A/230V, SPDT



Domestic Immersion Heater Rod Thermostats

PRODUCT CODE	DESCRIPTION
TSDR0702SB	7" rod safety thermostat horizontal fitting only
TSDR1103SB	11" rod safety thermostat horizontal fitting only
TSDR1104SB	11" rod safety thermostat vertical fitting only
TSDR1802SB	18" rod safety thermostat vertical fitting only



Oil Boiler Accessories

In line oil filters suitable for oil and kerosene. Aluminium bowl, steel washable mesh filter

PRODUCT CODE	DESCRIPTION
00902430014	1/4" F/F aluminium bowl, steel mesh filter , 100micron
00902430038	3/8" F/F aluminium bowl, steel mesh filter , 100micron



In line oil filters suitable for oil and kerosene. Aluminium bowl, paper disposable filter

PRODUCT CODE	DESCRIPTION
00902530014	1/4" F/F aluminium bowl, paper filter , 15micron
00902530038	3/8" F/F aluminium bowl, paper filter , 15micron



PRODUCT CODE	DESCRIPTION
20101CC5	Replacement paper element, 15micron, pleated



SET20100	3 PART O-ring set for our oil filter range
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Remote acting firevalve, BSRIA approved to OFS E101:1998 & BS5410-1.
Suitable for Class C2 and Class D to BS2869. 1/4" F/F connections with
either a 65°C or 90°C rating.

PRODUCT CODE	DESCRIPTION
ADKFBV6515	Remote Fire Valve, 1/4" 65°C, 1.5m - OFTEC approved
ADKFBV6530	Remote Fire Valve, 1/4" 65°C, 3m - OFTEC approved
ADKFBV6560	Remote Fire Valve, 1/4" 65°C, 6m - OFTEC approved
ADKFBV6590	Remote Fire Valve, 1/4" 65°C, 9m - OFTEC approved
ADKFBV65120	Remote Fire Valve, 1/4" 65°C, 12m - OFTEC approved
ADKFBV9020	Remote Fire Valve, 1/4" 90°C, 2m - OFTEC approved
ADKFBV9030	Remote Fire Valve, 1/4" 90°C, 3m - OFTEC approved
ADKFBV9060	Remote Fire Valve, 1/4" 90°C, 6m - OFTEC approved
ADKFBV9090	Remote Fire Valve, 1/4" 90°C, 9m - OFTEC approved



Oil Burner Pressure Test Gauge

PRODUCT CODE	DESCRIPTION
B122A152J	50mm 1/8" BSP bottom 0 to 300psi/bar glycerine filled



Expansion Vessels

Heating

The ER series expansion vessels for heating applications are manufactured in Italy and use only the highest grade materials to ensure long and reliable life. Each vessel is individually tested and finished in bright red epoxy paint for durability. Fully compliant with European standards and meets all **PED** directives. All vessels pre-set at 1.5bar.

All vessel sizes are held ex stock for immediate despatch. **2 YEAR WARRANTY**



PRODUCT CODE	SERIES	SIZE	CONNECTION	MAX BAR	MAX C	O/D	HEIGHT
0093000005	ER5	5ltr	3/4" M	8bar	99°C	205mm	225mm
0093000008	ER8	8ltr	3/4" M	8bar	99°C	205mm	300mm
0093000012	ER12	12ltr	3/4" M	8bar	99°C	270mm	300mm
0093000018	ER18	18ltr	3/4" M	8bar	99°C	270mm	410mm
0093000024	ER24	24ltr	3/4" M	8bar	99°C	320mm	355mm
0093000035	ER35	35ltr	3/4" M	10bar	99°C	400mm	390mm
0093000050	ER50	50ltr	3/4" M	10bar	99°C	400mm	500mm

35ltr and 50ltr fitted with integral bracket.



PRODUCT CODE	SERIES	SIZE	CONNECTION	MAX BAR	MAX C	O/D	HEIGHT
0093000080	ER80	80ltr	3/4" M	10bar	99°C	400mm	820mm
0093000100	ER100	100ltr	3/4" M	10bar	99°C	500mm	775mm
0093000150	ER150	150ltr	3/4" M	10bar	99°C	500mm	1005mm
0093000200	ER200	200ltr	1" M	10bar	99°C	600mm	1065mm
0093000250	ER250	250ltr	1" M	10bar	99°C	650mm	1160mm
0093000300	ER300	300ltr	1" M	10bar	99°C	650mm	1240mm
0093000500	ER500	500ltr	1" M	10bar	99°C	775mm	1400mm

Vessels 80ltr to 500ltr all floor standing with legs.

Expansion Vessels

Sealed System Kits

The Advantay sealed system kits for heating applications are manufactured in Italy and use only the highest grade materials to ensure long and reliable life. Each vessel is individually tested and finished in bright red epoxy paint for durability. Fully compliant with European standards and meets all **CE** and **PED** directives.

Trade Pack includes:

1501 series 3 bar Safety Relief Valve with combined quick fit 4 way manifold.
50mm Pressure Gauge. Combination Filling Loop. Wall Fixing Bracket, Strap Complete with Plugs and Screws.
Kit is bagged inside each vessel carton.

Complete Sealed System Kit including Vessel.

PRODUCT CODE	DESCRIPTION
0091000005	5ltr complete trade pack
0091000008	8ltr complete trade pack
0091000012	12ltr complete trade pack
0091000018	18ltr complete trade pack
0091000024	24ltr complete trade pack
0091000035	35ltr complete trade pack *
0091000050	50ltr complete trade pack *
0091000080	80ltr complete trade pack, floor standing
0091000100	100ltr complete trade pack, floor standing



* 35ltr and 50ltr fitted with integral bracket.

Part L Kit includes:

1501 series 3 bar Safety Relief Valve with combined quick fit 4 way manifold.
50mm Pressure Gauge. Approved Part L compliant Combination Filling Loop + end caps. Wall Fixing Bracket, Strap Complete with Plugs and Screws.
Kit is bagged inside each vessel carton.

Complete Sealed System Kit including Vessel.

PRODUCT CODE	DESCRIPTION
0091600005	5ltr complete kit
0091600008	8ltr complete kit
0091600012	12ltr complete kit
0091600018	18ltr complete kit
0091600024	24ltr complete kit
0091600035	35ltr complete kit *
0091600050	50ltr complete kit *
0091600080	80ltr complete kit, floor standing
0091600100	100ltr complete kit, floor standing



* 35ltr and 50ltr fitted with integral bracket.

Expansion Vessels

Sealed System Kits

Space Saver Sealed System Kits

Complete space saver sealed system kit. Each kit contains:

ERP flat round series expansion vessel for heating

3 bar safety valve with integral 4 way assembly manifold

50mm pressure gauge

L shaped heavy duty fixing bracket with vessel double check valve isolator

Part L Compliant combination filling loop + end caps

Wall mounting (with suitable bracket supplied)

Complete Space Saver Sealed System Kit including Vessel.

PRODUCT CODE	DESCRIPTION
0091300006	Round, 6ltr space saver, 3/4" M
0091300008	Round, 8ltr space saver, 3/4" M
0091300010	Round, 10ltr space saver, 3/4" M
0091300012	Round, 12ltr space saver, 3/4" M



Complete Sealed System Kit including Vessel.

PRODUCT CODE	DESCRIPTION
0091400008	Rectangular, 8ltr space saver, 3/4" M
0091400010	Rectangular, 10ltr space saver, 3/4" M
0091400012	Rectangular, 12ltr space saver, 3/4" M



Boiler Expansion Vessels

OEM replacement expansion vessels. Many standards held ex stock and currently supplied to leading boiler manufacturers.



Flat Round [pancake] expansion vessels, 320mm diameter, pre set 1bar.

PRODUCT CODE	SERIES	SIZE	CONNECTION	MAX BAR	MAX C	O/D	HEIGHT
0092000006	ERP320/6	6ltr	3/4" M	3bar	99°C	320mm	94mm
0092000008	ERP320/8	8ltr	3/4" M	3bar	99°C	320mm	121mm
0092000010	ERP320/10	10ltr	3/4" M	3bar	99°C	320mm	131mm
0092100012	ERP320/12	12ltr	3/4" M	3bar	99°C	320mm	165mm



Flat Round [pancake] expansion vessels, 385mm diameter, pre set 1bar.

PRODUCT CODE	SERIES	SIZE	CONNECTION	MAX BAR	MAX C	O/D	HEIGHT
0092100007	ERP385/7	7ltr	3/4" M	3bar	99°C	385mm	83mm
0092100010	ERP385/10	10ltr	3/4" M	3bar	99°C	385mm	108mm
0092000012	ERP385/12	12ltr	3/4" M	3bar	99°C	385mm	139mm
0092100014	ERP385/14	14ltr	3/4" M	3bar	99°C	385mm	146mm



Flat Rectangular expansion vessels, 516mm x 196mm, pre set 1bar.

PRODUCT CODE	SERIES	SIZE	CONNECTION	MAX BAR	MAX C	L x D	HEIGHT
0092300006	ERPRET/6	6lt	3/4" M	3bar	99°C	516x196	95mm
0092300008	ERPRET/8	8ltr	3/4" M	3bar	99°C	516x196	110mm
0092300010	ERPRET/10	10ltr	3/4" M	3bar	99°C	516x196	124mm
0092300012	ERPRET/12	12ltr	3/4" M	3bar	99°C	516x196	152mm

Expansion Vessels

Potable

Expansion vessels for Potable Water Applications are manufactured in Italy and use only the highest grade materials to ensure long and reliable life. Each vessel is individually tested. Fully compliant with European standards and meets all PED directives. **WRAS Approved - 2 year warranty**



Shock Arrestor - Self supporting - pre set 3.5bar

PRODUCT CODE	SIZE	COLOUR	CONNECTION	MAX BAR	MAX C	O/D	HEIGHT
ADV720162	160ml	Silver	1/2" M	10bar	100°C	84mm	104mm



Shock Arrestor - With Tee Piece for connection to 15mm or 22mm pipe - pre set 3.5bar

PRODUCT CODE	SIZE	COLOUR	CONNECTION	MAX BAR	MAX C	O/D	HEIGHT	PRICE
SHOCKKIT15	160ml shock arrestor complete with 15mm x 1/2" x 15mm tee							
SHOCKKIT22	160ml shock arrestor complete with 22mm x 1/2" x 22mm tee							



Self supporting - pre set 3.5bar

PRODUCT CODE	SIZE	COLOUR	CONNECTION	MAX BAR	MAX C	O/D	HEIGHT
0093800002	2ltr	Silver	1/2" M	10bar	100°C	120mm	240mm
0093800002S	2ltr	Silver	1/2" + C/V	10bar	100°C	120mm	240mm

complete with 15mm check valve



Wall Hung - pre set 2.5bar, except 5lt & 8ltr - 3.5bar

PRODUCT CODE	SIZE	COLOUR	CONNECTION	MAX BAR	MAX C	O/D	HEIGHT
0093800005	5ltr	Silver	3/4" M	10bar	100°C	160mm	315mm
0093800008	8ltr	Silver	3/4" M	10bar	100°C	220mm	305mm
0093800012	12ltr	Silver	3/4" M	10bar	100°C	260mm	315mm
0093800018	18ltr	Silver	3/4" M	10bar	100°C	260mm	380mm
0093800024	24ltr	Silver	3/4" M	10bar	100°C	260mm	490mm

Expansion Vessels

Potable

Expansion vessels for Potable Water Applications are manufactured in Italy and use only the highest grade materials to ensure long and reliable life. Each vessel is individually tested . Fully compliant with European standards and meets all PED directives. **WRAS Approved - 2 year warranty**



Floor Standing - pre set 2.5bar

PRODUCT CODE	SIZE	COLOUR	CONNECTION	MAX BAR	MAX C	O/D	HEIGHT
0093800035	35ltr	Blue	1" M	10bar	100°C	380mm	560mm
0093800050	50ltr	Blue	1" M	10bar	100°C	380mm	720mm



Floor Standing - pre set 2.5bar

PRODUCT CODE	SIZE	COLOUR	CONNECTION	MAX BAR	MAX C	O/D	HEIGHT
0093800080	80ltr	Blue	1" M	10bar	100°C	460mm	760mm
0093800100	100ltr	Blue	1" M	10bar	100°C	460mm	880mm



Floor Standing - pre set 2.5bar

PRODUCT CODE	SIZE	COLOUR	CONNECTION	MAX BAR	MAX C	O/D	HEIGHT
0093800150	150ltr	Blue	1" M	10bar	100°C	510mm	1030mm
0093800200	200ltr	Blue	1-1/4" M	10bar	100°C	590mm	1100mm



Floor Standing - pre set 2.5bar

PRODUCT CODE	SIZE	COLOUR	CONNECTION	MAX BAR	MAX C	O/D	HEIGHT
0093800300	300ltr	Blue	1-1/4" M	10bar	100°C	650mm	1250mm
0093800500	500ltr	Blue	1-1/4" M	10bar	100°C	750mm	1600mm

Expansion Vessels

Potable

The AF series expansion vessels for heating, potable and chilled water applications are manufactured in Italy and use only the highest grade materials to ensure long and reliable life.

Each vessel is individually tested and finished in a blue epoxy paint for durability.

The AF series feature long life replaceable EPDM bladders and are WRAS approved, in addition they are fully compliant with European standards and meeting all **PED** directives.



Pump Accumulator Expansion Vessels – Heating, Potable & Chilled Water Applications
With Universal Pump Mount, pre-set 1.5bar, replaceable Bladder. WRAS approved

PRODUCT CODE	SERIES	SIZE	CONNECTION	MAX BAR	MAX C	LENGTH	O/D	HEIGHT
0093500024	AC25GPM	24ltr	1" M	8bar	99°C	470mm	270mm	290mm
0093500050	AFH50	50ltr	1" M	10bar	99°C	515mm	400mm	425mm
0093500060	AFH60	60ltr	1" M	10bar	99°C	675mm	400mm	480mm
0093500080	AFH80	80ltr	1" M	10bar	99°C	765mm	400mm	480mm
0093500100	AFH100	100ltr	1" M	10bar	99°C	720mm	500mm	585mm
0093500200	AFH200	200ltr	1-1/4" M	10bar	99°C	970mm	600mm	665mm
0093500300	AFH300	300ltr	1-1/4" M	10bar	99°C	1130mm	650mm	705mm

Replacement Bladders for the AF, AC, HM, HX series expansion vessels.



PRODUCT CODE	VESSEL TYPE	MATERIAL
Q110008	2ltr vessel - AC2	BUTYL
Q120018	5ltr - 8ltr - AC5 - AC8	EPDM
Q120027	18ltr - 25ltr - AC18, AS25, HM24, HS24	EPDM
Q120034	35ltr - 50ltr - AF35 - AF50	EPDM
Q120038	60ltr - 100ltr - AF60 - AF100	EPDM
Q120047	150ltr - 200ltr - AF150 - AF200	EPDM
Q120051	300ltr - AF300	EPDM
Q120055	500ltr - AF500	EPDM



Replacement Bladders for the DL series expansion vessels.

PRODUCT CODE	VESSEL TYPE	MATERIAL
Q141059	750ltr - DL750	EPDM
Q141062	1000ltr - DL1000	EPDM
Q141070	2000ltr - DL2000	EPDM
Q141080	3000ltr - 5000ltr - DL3000, DL5000	EPDM



Multi Way Manifold

PRODUCT CODE	DESCRIPTION	LENGTH
AD1500128	1" M / F/F, 1/4" M. 1/4" F	72mm
AD1500132	1" M / F/F, 1/4" M. 1/4" F	92mm



Expansion Vessels

Multifunction Heating/Potable

The DL series expansion vessels for Potable and hot water Applications are manufactured in Italy and use only the highest grade materials to ensure long and reliable life. Each vessel is individually tested and finished in grey epoxy paint for durability.

Fitted with replaceable bladder as standard and available in 10bar or 16bar versions.

Floor standing complete with integral pressure gauge for pre charge monitoring.

Fully compliant with European standards and meets all **PED** directives.

All vessel pre-set at 2.5bar.

2 YEAR WARRANTY



PRODUCT CODE	SERIES	SIZE	CONNECTION	MAX BAR	MAX C	O/D	HEIGHT
0093100750	DL750	750ltr	2" F	10bar	99°C	800mm	1920mm
0093101000	DL1000	1000ltr	2" F	10bar	99°C	800mm	2370mm
0093102000	DL2000	2000ltr	3" F	10bar	99°C	1100mm	2690mm
0093103000	DL3000	3000ltr	3" F	10bar	99°C	1250mm	3100mm
0093105000	DL5000	5000ltr	3" F	10bar	99°C	1550mm	3315mm

PRODUCT CODE	SERIES	SIZE	CONNECTION	MAX BAR	MAX C	O/D	HEIGHT
0093150750	DL750	750ltr	2" F	16bar	99°C	800mm	1920mm
0093151000	DL1000	1000ltr	2" F	16bar	99°C	800mm	2370mm
0093152000	DL2000	2000ltr	3" F	16bar	99°C	1100mm	2690mm
0093153000	DL3000	3000ltr	3" F	16bar	99°C	1250mm	3100mm

Vessels 750ltr to 5000ltr all floor standing with legs.

Vessels from 2000ltr up to 5000ltr shipped direct from Factory within 4/5 weeks, please contact our offices.

Expansion Vessels

Slim Line

The new slim line expansion vessels can be used for heating and potable applications where space is restricted. They feature a removable BUTYL bladder.

Ideal for use to combat water hammer and surge protection in larger applications.



PRODUCT CODE	SIZE	CONNECTION	PRE-SET	MAX BAR	MAX C	O/D	HEIGHT
0093400005	0.5ltr	3/4" M	3bar	10bar	99°C	90mm	170mm
0093400001	1ltr	3/4" M	3bar	10bar	99°C	90mm	240mm
0093400002	2ltr	3/4" M	3bar	10bar	99°C	90mm	380mm
0093400003	3ltr	3/4" M	3bar	10bar	99°C	90mm	530mm
0093400004	4ltr	3/4" M	3bar	10bar	99°C	90mm	670mm
00934000L3	3ltr	3/4" M	3bar	10bar	99°C	120mm	300mm
00934000L6	6ltr	3/4" M	3bar	10bar	99°C	120mm	500mm

Replacement Bladders

PRODUCT CODE	DESCRIPTION
Q110005	Bladder to suit 0.5ltr and 1ltr
Q110007	Bladder to suit 2ltr and L3ltr
Q110009	Bladder to suit 3 & 4ltr and L6ltr



Expansion Vessels

Stainless Steel

The H series expansion vessels for heating, potable and chilled water applications are manufactured in Italy and use only the highest grade materials to ensure long and reliable life.

Full stainless steel grade 304 construction with a high polish finish. Fitted with EPDM WRAS approved bladders as standard.

Fully compliant with European standards and meeting all **PED** directives.



Stainless Steel Expansion Vessels Grade 304, Heating, Potable & Chilled Water Applications. Cylindrical, Replaceable Bladder.

PRODUCT CODE	SERIES	SIZE	CONNECTION	PRE-SET	MAX BAR	O/D	HEIGHT
0093900002	HX2	2ltr	1/2" M	3.5	10bar	135mm	230mm
0093900008	HM8	8ltr	3/4" M	2	10bar	205mm	335mm
0093900024	HM24	24ltr	1" M	2.5	10bar	270mm	480mm



Stainless Steel Accumulator Pump Expansion Vessels - Grade 304, Heating, Potable & Chilled Water Applications. Horizontal with Universal Pump Mounting Bracket, Replaceable Bladder.

PRODUCT CODE	SERIES	SIZE	CONNECTION	PRE-SET	MAX BAR	LENGTH	O/D	HEIGHT
0093900025	HM24GPM	24ltr	1" M	2.5	10bar	480mm	270mm	290mm
0093900050	HXH50	50ltr	1" M	2.5	10bar	655mm	400mm	480mm
0093900100	HXH100	100ltr	1" M	2.5	10bar	1130mm	500mm	585mm

See also Pump Accessories on page 18



Stainless Steel Expansion Vessels - Grade 304, Heating, Potable & Chilled Water Applications. Vertical Floor Standing with Feet, Replaceable Bladder.

PRODUCT CODE	SERIES	SIZE	CONNECTION	PRE-SET	MAX BAR	O/D	HEIGHT
0093900051	HXV50	50ltr	1" M	1.5	10bar	400mm	600mm
0093900101	HXV100	100ltr	1" M	1.5	10bar	500mm	805mm

Expansion Vessel Accessories

Vessel wall hanging F bar kit

Complete wall hung installation kit for expansion vessels with a 3/4" connection.

Kit comprises of:

Wall hanging F bar, galvanised steel with chroma plate
automatic air release valve
3 bar safety valve
4bar pressure gauge
3/4" vessel isolator valve
3/4" M water inlet connection
Made in Italy



PRODUCT CODE	DESCRIPTION
0053900030	3/4" F bar expansion vessel installation kit



PRODUCT CODE	DESCRIPTION
0054300034	3/4" M/F vessel isolator + drain valve



PRODUCT CODE	DESCRIPTION
ADSOLFIX01	Wall fixing bracket, plugs and screws complete with 3/4" vessel isolating valve / connector



PRODUCT CODE	DESCRIPTION
0099000524	5 to 24ltr fixing bracket, strap, plugs and screws
0099000035	35ltr fixing bracket, strap, plugs and screws



PRODUCT CODE	DESCRIPTION
AD1500053	1" F x 3/4" M vessel reducer in brass
AD1500863	1-1/4" F x 1" M vessel reducer in brass



Expansion Vessel Accessories

PRODUCT CODE

DESCRIPTION

0098005000

Sealed System Kit, universal, Part L filling loop + caps, boxed



0098001000

Sealed System Kit, universal, standard filling loop, bagged



PRODUCT CODE

DESCRIPTION

0150100030

3bar safety valve manifold kit with gauge port, 3/4"
note: pressure gauge supplied seperately



PRODUCT CODE

DESCRIPTION

0099000004

4 way manifold, 3/4" F, 15mm x 15mm x 1/2" M



Water Softener Valve

Water Softener Bypass Valve

Using our unique interchangeable non-return valve and spacer piece the valve can be installed in up to 8 possible configurations. Each interchangeable part is fitted with an O-Ring to allow quick and leak free installation.

Two sealing caps with O-Ring seals are also provide to cap off any unwanted ports.

Connection to the water softener is by way of 3/4" male connections on the valve.

Connecting to existing pipe work is by way of 3/4" female connections which can be fitted with compression, crimp or push fit connections* to suit pipework.

*fittings not supplied

Operation is simple by way of our unique easy grip control knobs which rotate through 90 degrees to provide either water flow / return or to put the unit in to bypass mode.



Features:

- Compact design
- Bypass function
- Full bore water flow
- Non-return valve
- 8 possible installation configurations
- Simple to use easy grip control knobs
- Horizontal and / or vertical pipe work integration
- Boxed with full user instructions

- Reduced installation time
- Reduced number of connections over conventual methods
- Reduced risk of leaks
- Solid brass construction
- Boxed with full user instructions
- 3/4" Male connections to water softener
- 3/4" Female connections to existing pipework
- Made in Italy



Valve shown in normal operation mode with water flow and return through the water softener and installed with horizontal pipe. .



Valve shown in normal operation mode with water flow and return through the water softener and installed on vertical pipe.



Valve shown in full bypass mode



Valve shown in normal operation mode with water flow and return through the water softener and installed on mixed vertical/horizontal pipe.

PRODUCT CODE	DESCRIPTION
0502710234	3/4" M/F water softener bypass valve with non return valve

Inlet / Filling Valves

PRODUCT CODE

DESCRIPTION

ADVWIG2222

Combined water inlet safety valve group,
safety valve pre set 6bar, pressure reducing pre set 3bar
adjustable between 1-6bar, 22mm compression
*Static



PRODUCT CODE

DESCRIPTION

ADVSRV3415

Replacement 6bar pressure relief valve for
water inlet group, 6bar pre set, 3/4" loose F nut
15mm compression outlet



Automatic filling valve allows the automatic filling and regulation of a sealed system in a controlled situation, and is proportionate to the volume of air being released via the air release valve or radiator bleed valves.

PRODUCT CODE

DESCRIPTION

0051301012

1/2" male / female, automatic filling valve + gauge
*Static



* Pressure Reducing Valves - Static v Dynamic Control *

All pressure reducing valves will be either static or dynamic in their operation. This will be listed against each unit. The difference between the two methods of control is explained below.

A **static** pressure reducing valve will reduce/limit the downstream pressure when there is either flow or no flow of water.

A **dynamic** pressure reducing valve will only reduce/limit the downstream pressure while there is flow of water.

Pressure Reducing Valves

PRODUCT CODE	DESCRIPTION
ADVRV01515	15mm compact pressure reducing valve.
ADVRV01522	22mm / 15mm compact pressure reducing valve.
	Boxed with instructions and supplied complete with 50mm pressure gauge. ADVRV01522 supplied with 15mm / 22mm reducing fittings.
	*Static



PRODUCT CODE	DESCRIPTION
0901300015	15mm pressure reducing valve, pre set 3bar. Top entry 1/4" gauge port *Dynamic



90453315	50mm, pressure gauge 0 -6bar, 1/4" bottom connection
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PRODUCT CODE	DESCRIPTION
0901300022	22mm pressure reducing valve high flow, pre set 3bar Side entry 1/4" gauge port *Static



90459315	50mm, pressure gauge 0 -6bar, 1/4" back connection
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PRODUCT CODE	DESCRIPTION
0901200012	Compact 1/2" F reducing valve + 1/4" port, 0- 4bar, set 3bar 60mm W x 113mm H. *Dynamic



0901200034	Compact 3/4" F reducing valve + 1/4" port , 0-4bar, set 3bar 60mm W x 113mm H. *Dynamic
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90453315	50mm, pressure gauge 0 -6bar, 1/4" bottom connection
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Pressure Reducing Valves

Pressure Reducing Valves, brass with adjustable pressure range

Adjustable between 0.5bar to 6bar. Pre set 3bar.

Maximum inlet pressure of 25bar.

Maximum water temperature of 80°C.

Stainless steel internal seat ring.

Female BSP connections complete with side entry 1/4" pressure gauge port.

Suitable for Fluid, Water and Compressed Air.

*Static control.

* WRAS Approved from 1/2" to 2".

PRODUCT CODE	DESCRIPTION
0901510012	1/2" F/F, WRAS
0901510034	3/4" F/F, WRAS
0901510100	1" F/F, WRAS
0901510114	1-1/4" F/F, WRAS
0901510112	1-1/2" F/F, WRAS
0901510200	2" F/F, WRAS
0901510212	2-1/2" F/F
0901510300	3" F/F
0901510400	4" F/F
90459415	50mm, pressure gauge 0 -10bar, 1/4" back connection



Pressure Reducing Valves, brass with union fitting, adjustable pressure range

Adjustable between 0.5bar to 6bar. Pre set 3bar.

Maximum inlet pressure of 25bar.

Maximum water temperature of 80°C.

Stainless steel internal seat ring.

Female BSP union connections complete with side entry 1/4" pressure gauge port.

Suitable for Fluid, Water and Compressed Air.

*Static control.

PRODUCT CODE	DESCRIPTION
0901600012	1/2" F/F union
0901600034	3/4" F/F union
0901600100	1" F/F union
0901600114	1-1/4" F/F union
0901600112	1-1/2" F/F union
0901600200	2" F/F union
90459415	50mm, pressure gauge 0 -10bar, 1/4" back connection



Pressure Reducing Valves

High Pressure Reducing Valves, with adjustable pressure range

Adjustable between 0.5bar to 7bar. Pre set 3bar.

Maximum inlet pressure of 40bar.

Maximum water temperature of 80°C.

Stainless steel internal seat ring.

Female union connections.

Female BSP connections complete with side entry 1/4" pressure gauge port.

Suitable for Fluid, Water and Compressed Air.

*Static control.

PRODUCT CODE	DESCRIPTION
0901700012	1/2" F/F
0901700034	3/4" F/F
0901700100	1" F/F
90459415	50mm, pressure gauge 0-10bar, 1/4" back connection



Pressure Reducing Valves, flange mounting, adjustable pressure range

Adjustable between 1bar to 7.5bar. Pre set 3bar.

Maximum inlet pressure of 30bar.

Maximum water temperature of 80°C.

Stainless steel internal seat ring.

Twin 1/4" pressure gauge ports.

Flange mounted PN 16 UNI EN 10923, 4 hole fixing.

Suitable for Fluid, Water.

*Static control.

PRODUCT CODE	DESCRIPTION
0906600050	DN50 (2") 4 hole flange
0906600065	DN65 (2 -1/2) 4 hole flange
90453415	50mm, pressure gauge 0-10bar, 1/4" bottom connection



Pressure Reducing Valves, twin pressure gauge with filter, adjustable pressure range

Adjustable between 0.5bar to 6bar. Pre set 3bar.

Maximum inlet pressure of 25bar.

Maximum water temperature of 80°C.

Stainless steel internal seat ring.

Twin pressure gauges (**included**) monitor both upstream and downstream pressure.

Removable and cleanable filter.

Suitable for Water and air.

*Static control.

PRODUCT CODE	DESCRIPTION
0906710012	1/2" male union, twin gauge
0906710034	3/4" male union twin gauge



Automatic Air Release Valves

High quality automatic air release valves designed and manufactured in Italy and designed for long life with a leak free guarantee. Rated at max pressure 10bar and max temperature 110°c.

PRODUCT CODE	DESCRIPTION
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0051100015	15mm Compression Auto Air Vent, leak free guarantee.
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PRODUCT CODE	DESCRIPTION
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0050700012	1/2" Male Auto Air Vent, O-Ring sealed leak free guarantee.
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0050700038	3/8" Male Auto Air Vent, O-Ring sealed leak free guarantee.
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PRODUCT CODE	DESCRIPTION
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0050800012	1/2" Male Auto Air Vent with check / Isolation Valve O-Ring sealed, leak free guarantee.
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0050800038	3/8" Male Auto Air Vent with check / Isolation Valve O-Ring sealed, leak free guarantee.
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PRODUCT CODE	DESCRIPTION
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0051910038	3/8" Male Angled Auto Air Vent, Brass Nickel Plated.
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0051910012	1/2" Male Angled Auto Air Vent, Brass Nickel Plated.
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0051910034	3/4" Male Angled Auto Air Vent, Brass Nickel Plated.
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PRODUCT CODE	DESCRIPTION
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0932733274	Replacement red cap exclusively for Advantay air vents.
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Automatic Bypass Valves

PRODUCT CODE	DESCRIPTION
ADVBPV0022	22mm TRADE bypass valve, nickel plated. Angled.



PRODUCT CODE	DESCRIPTION
ADV5510022	22mm Auto Bypass Valve, full bore. Angled.



PRODUCT CODE	DESCRIPTION
ADV5520022	22mm Auto Bypass Valve, full bore. Straight.



PRODUCT CODE	DESCRIPTION
0055400034	3/4" M/F, Auto Bypass Valve, full bore. Angled.



Pressure Relief Valves

Fixed Setting

1/2" Male / Female Pressure Relief Valves

PRODUCT CODE	DESCRIPTION
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0058201215	1.5bar
0058201220	2bar
0058201225	2.5bar
0058201230	3bar
0058201240	4bar
0058201260	6bar
0058201270	7bar
0058201280	8bar
0058201210	10bar



1/2" Male / 15mm compression outlet Pressure Relief Valve

PRODUCT CODE	DESCRIPTION
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0059701230	3bar
0059701260	6bar



1/2" Female / Female Pressure Relief Valves

PRODUCT CODE	DESCRIPTION
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0058101215	1.5bar
0058101220	2bar
0058101225	2.5bar
0058101230	3bar
0058101240	4bar
0058101260	6bar
0058101270	7bar
0058101280	8bar
0058101210	10bar



3/4" Male / Female Pressure Relief Valves

PRODUCT CODE	DESCRIPTION
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0158203415	1.5bar
0158203425	2.5bar
0158203430	3bar
0158203460	6bar



3/4" Female / Female Pressure Relief Valves

PRODUCT CODE	DESCRIPTION
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0158103415	1.5bar
0158103425	2.5bar
0158103430	3bar
0158103435	3.5bar
0158103440	4bar
0158103460	6bar



1" Female / Female Pressure Relief Valves

PRODUCT CODE	DESCRIPTION
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0058101030	3bar
0058101040	4bar
0058101050	5bar
0058101060	6bar



Pressure Relief Valves

Fixed Setting

1/2" Male / Female Pressure Relief Valves + 1/4" Pressure Gauge Port

PRODUCT CODE	DESCRIPTION
0058401230	3bar
0058401260	6bar

1/2" Male / 15mm compression outlet Pressure Relief Valves + 1/4" Pressure Gauge Port

PRODUCT CODE	DESCRIPTION
0059202230	3bar

1/2" Female / Female Pressure Relief Valves + 1/4" Pressure Gauge Port

PRODUCT CODE	DESCRIPTION
0058301225	2.5bar
0058301230	3bar
0058301235	3.5bar

1/2" Male / Female Pressure Relief Valves complete with 50mm Pressure Gauge

PRODUCT CODE	DESCRIPTION
0059402230	3bar

1/2" Female / Female Pressure Relief Valve complete with 50mm Pressure Gauge

PRODUCT CODE	DESCRIPTION
0059302230	3bar

1/2" Male / 15mm Pressure Relief Valves + 1/4" Pressure Gauge Port with o ring & locknut













PRODUCT CODE	DESCRIPTION
0158701525	2.5bar
0158701530	3bar
0058701230	3bar (1/2" M x 1/2" F)



Pressure Relief Valves

Fixed Setting

Pressure relief valves for OEM replacement, original equipment manufacturer and made in Italy.

PRODUCT CODE	DESCRIPTION	OEM NAME	OEM SKU	
0056802270	o-ring push fit x 1/2" outlet, 7bar, black	BAXI	710619400	
0056802280	o-ring push fit x 1/2" outlet, 8bar, blue	BAXI	710446300	
0056903030	o-ring push fit x 15mm I/D, 3bar	BAXI	710071200	
0057601030	1/2" BSP x 3/4" outlet, M/F, 3bar	FERROLI / ARISTON	N/A	
0057602260	1/2" BSP x 3/4" outlet, M/F, 6bar	FERROLI	N/A	
0057602280	1/2" BSP x 3/4" outlet, M/F, 8bar	ARISTON	N/A	
0159501030	o-ring push fit x 1/2" outlet, 3bar	ARISTON	65103222	
0058000030	o-ring push fit x 1/2" outlet, 3bar	BAXI	9951170	
0058002060	o-ring push fit x 1/2" outlet, 6bar	BAXI	N/A	
0058502230	o-ring push fit x 1/2" outlet, 3bar	FERROLI	39809740	
0058801230	o-ring push fit x 1/2" outlet, 3bar	ARISTON	573172	
0058902230	Push fit x 1/2" M outlet, 3bar	ARISTON	61020933	
0157902030	o-ring push fit x 15.5mm hose out, 3bar	FONDITAL	N/A	
0059112070	o-ring push fit x 1/2" male outlet, 7bar	ARISTON	60000437	
0059902030	o-ring push fit x 3/8" male out, 3bar, red	ARISTON	61312668/61020933	
0059902070	o-ring push fit x 3/8" male out, 7bar, blue	ARISTON	N/A	

Pressure Relief Valves

Adjustable

Pressure relief (safety) valve with adjustable set point for use with inert liquids and gases.

Nominal pressure PM16 (3/8" to 2"). PN10 (2-1/2" to 3")
Minimum temperature 5°C.
Maximum temperature 200°C.
Max opening pressure 20%.



PRODUCT CODE	DESCRIPTION
AD1960001	3/8" BSP, F/F, 0/16bar adjustable
AD1960002	1/2" BSP, F/F, 0/16bar adjustable
AD1960003	3/4" BSP, F/F, 0/16bar adjustable
AD1960004	1" BSP, F/F, 0/16bar adjustable
AD1960005	1-1/4" BSP, F/F, 0/16bar adjustable
AD1960006	1-1/2" BSP, F/F, 0/16bar adjustable
AD1960007	2" BSP, F/F, 0/16bar adjustable
AD1960008	2-1/2" BSP, F/F, 0/10bar adjustable
AD1960009	3" BSP, F/F, 0/10bar adjustable

Temperature & Pressure Relief Valves

Temperature & Pressure Relief Valves

1/2" male inlet thread with 15mm compression outlet.

In accordance with EN1490 and PED 97/23/CE.

Max pressure 10bar.

Opening temperature pre set at 90°C.

Opening pressure pre set at 3bar, 4bar, 6bar, 7bar or 10bar depending on type selected.

Individually boxed with instructions and declaration of conformity.

Manufactured in Italy.

PRODUCT CODE	DESCRIPTION
ADV1920134	1/2" BSP M X 15mm. 115mm probe length, fixed at 90°C, pre set 3bar
ADV1920135	1/2" BSP M X 15mm. 115mm probe length, fixed at 90°C, pre set 4bar
ADV1920136	1/2" BSP M X 15mm. 115mm probe length, fixed at 90°C, pre set 6bar
ADV1920137	1/2" BSP M X 15mm. 115mm probe length, fixed at 90°C, pre set 7bar
ADV1920138	1/2" BSP M X 15mm. 115mm probe length, fixed at 90°C, pre set 10bar



PRODUCT CODE	DESCRIPTION
ADV1920111	3/4" BSP M X 15mm. 120mm probe length, fixed at 90°C, pre set 3bar
ADV1920113	3/4" BSP M X 15mm. 120mm probe length, fixed at 90°C, pre set 6bar
ADV1920114	3/4" BSP M X 15mm. 120mm probe length, fixed at 90°C, pre set 7bar



PRODUCT CODE	DESCRIPTION
ADV1920116	3/4" BSP M X 22mm. 115mm probe length, fixed at 90°C, pre set 3bar
ADV1920119	3/4" BSP M X 22mm. 115mm probe length, fixed at 90°C, pre set 7bar



Individually boxed

Flue / Terminal Guards

Plastic coated suitable for all condensing boiler applications

PRODUCT CODE	DESCRIPTION
ADTG00005	Safety outlet discharge terminal guard, brown plastic coated 210mm x 115mm x 90mm



PRODUCT CODE	DESCRIPTION
ADTG00020	Round 11" x 9" brown plastic coated



PRODUCT CODE	DESCRIPTION
ADTG00100	Round 11" x 6.5" brown plastic coated



PRODUCT CODE	DESCRIPTION
ADTG00500	Round 11" x 9" (280mm x 230mm) with plume cut out



All Stainless Steel range suitable for specific boiler applications

PRODUCT CODE	DESCRIPTION
ADTGB0010	60/100, SS, Round , 8" O/D x 7.5" deep Manufactured to BAXI specifications



PRODUCT CODE	DESCRIPTION
ADTGB0020	BAXI 60/100, SS, PLUME KIT, 8" O/D x 7.5" deep Manufactured to BAXI specifications



PRODUCT CODE	DESCRIPTION
ADTGW0010	Square, SS, 10.5" x 10.5" x 8" deep Manufactured to Worcester specifications



Flue / Terminal Guards

Galvanized steel standard terminal guard

PRODUCT CODE	DESCRIPTION
ADTG00030	Round 7" x 4" galvanized steel



PRODUCT CODE	DESCRIPTION
ADTG00040	Round 10" x 4.5" galvanized steel



PRODUCT CODE	DESCRIPTION
ADTG00050	Round 11" x 6.5" galvanized steel



PRODUCT CODE	DESCRIPTION
ADTG00060	Square 11" x 11" x 6" galvanized steel



PRODUCT CODE	DESCRIPTION
ADTG00070	Square 14" x 14" x 8" galvanized steel



PRODUCT CODE	DESCRIPTION
ADTG00080	Square 18" x 18" x 8" galvanized steel



PRODUCT CODE	DESCRIPTION
ADTG00090	Square 11" x 11" x 10.5" galvanized steel



Pressure Gauges

H & V Pressure Gauges

100mm Pressure Gauge, 3/8" BSP Bottom Connection, black steel case with plated bezel, class 1.6%.

PRODUCT CODE	DESCRIPTION
B401A239LT	-1/0bar and -30/0"hg dual scale
B401A240LT	0/1bar and 0/15 psi dual scale
B401A242LT	0/2bar and 0/30 psi dual scale
B401A244LT	0/4bar and 0/60 psi dual scale
B401A246LT	0/7bar and 0/100 psi dual scale
B401A248LT	0/11bar and 0/160 psi dual scale
B401A250LT	0/14bar and 0/200 psi dual scale
B401A252LT	0/20bar and 0/300 psi dual scale
B401A254LT	0/28bar and 0/400 psi dual scale
B401A256LT	0/40bar and 0/600 psi dual scale
B401A262LT	0/70bar and 0/1000 psi dual scale



H & V Pressure Gauges

100mm Pressure Gauge, 3/8" BSP Back Connection, black steel case with plated bezel, class 1.6%.

PRODUCT CODE	DESCRIPTION
B401E239LT	-1/0bar and -30/0"hg dual scale
B401E240LT	0/1bar and 0/15 psi dual scale
B401E242LT	0/2bar and 0/30 psi dual scale
B401E244LT	0/4bar and 0/60 psi dual scale
B401E246LT	0/7bar and 0/100 psi dual scale
B401E248LT	0/11bar and 0/160 psi dual scale
B401E250LT	0/14bar and 0/200 psi dual scale
B401E252LT	0/20bar and 0/300 psi dual scale
B401E254LT	0/28bar and 0/400 psi dual scale
B401E256LT	0/40bar and 0/600 psi dual scale
B401E262LT	0/70bar and 0/1000 psi dual scale



Full Range of H&V gauges, altitude gauges and compound gauges available from stock.

Full calibration service available, traceable to National Standards.

Pressure Gauges

50mm Pressure Gauge, 1/4 Bottom Connection with Red Adjustable Pointer.

PRODUCT CODE	DESCRIPTION
90453215	0 - 4bar
90453315	0 - 6bar
90453415	0 - 10bar
90453515	0 - 16bar



50mm Pressure Gauge, 1/4 Back Connection with Red Adjustable Pointer.

PRODUCT CODE	DESCRIPTION
90459215	0 - 4bar
90459315	0 - 6bar
90459415	0 - 10bar
90459515	0 - 16bar



63mm Combined Press / Temperature Gauges, 1/2" Back Connection.

PRODUCT CODE	DESCRIPTION
91548400	0 - 4bar / 0 - 120°C
91548600	0 - 6bar / 0 - 120°C



80mm Combined Press / Temperature Gauges, 1/2" Back Connection.

PRODUCT CODE	DESCRIPTION
91558400	0 - 4bar / 0 - 120°C
91558600	0 - 6bar / 0 - 120°C
P301F134M	0 - 10bar / 0 - 120°C



80mm Combined Press / Temperature Gauges, 1/2" Bottom Connection.

PRODUCT CODE	DESCRIPTION
91568400	0 - 4bar / 0 - 120°C
91568600	0 - 6bar / 0 - 120°C
P301A134M	0 - 10bar / 0 - 120°C



Pressure Gauges

100mm Ø gauge with bottom 3/8" BSP connection, black steel case with plated bezel, metres water (mH²O), Class 1.6%. Adjustable red pointer.

PRODUCT CODE	DESCRIPTION
B401A324L	0/10 mH ² O and 0/1bar dual scale
B401A325L	0/16 mH ² O and 0/1.6bar dual scale
B401A326L	0/25 mH ² O and 0/2.5bar dual scale
B401A327L	0/40 mH ² O and 0/4bar dual scale
B401A328L	0/60 mH ² O and 0/6bar dual scale
B401A329L	0/100 mH ² O and 0/10bar dual scale
B401A331L	0/160 mH ² O and 0/16bar dual scale



100mm Ø gauge with bottom 3/8" BSP connection, black steel case with plated bezel, Class 1.6% with combined vacuum & pressure scales dual scale bar+psi.

PRODUCT CODE	DESCRIPTION
B401A301L	-1/0 bar vacuum and 0/+1bar pressure
B401A303L	-1/0 bar vacuum and 0/+2bar pressure
B401A306L	-1/0 bar vacuum and 0/+4bar pressure
B401A309L	-1/0 bar vacuum and 0/+7bar pressure
B401A313L	-1/0 bar vacuum and 0/+11bar pressure



Oil Burner Pressure Test Gauge

PRODUCT CODE	DESCRIPTION
B122A152J	50mm 1/8" BSP bottom 0/300psi/bar glycerine filled



Pressure Gauge Accessories

PRODUCT CODE	DESCRIPTION
ACC00006	3/8" F/F BSP, brass gauge cock
ACC00007	1/2" F/F BSP, brass gauge cock



PRODUCT CODE	DESCRIPTION
ACC01581	1/4" BSP, U syphon, M/M, Mild Steel
ACC01582	3/8" BSP, U syphon, M/M, Mild Steel
ACC01583	1/2" BSP, U syphon, M/M, Mild Steel
ACC01590	3/8" BSP, U syphon, M/M, Brass
ACC01597	1/4" BSP, U syphon, M/M, 304 Stainless Steel
ACC01598	3/8" BSP, U syphon, M/M, 304 Stainless Steel
ACC01599	1/2" BSP, U syphon, M/M, 304 Stainless Steel



PRODUCT CODE	DESCRIPTION
ACC02081	1/4" BSP, Ring syphon, M/M, Mild Steel
ACC02082	3/8" BSP, Ring syphon, M/M, Mild Steel
ACC02083	1/2" BSP, Ring syphon, M/M, Mild Steel
ACC02090	3/8" BSP, Ring syphon, M/M, Brass
ACC02097	1/4" BSP, Ring syphon, M/M, 304 Stainless Steel
ACC02098	3/8" BSP, Ring syphon, M/M, 304 Stainless Steel
ACC02099	1/2" BSP, Ring syphon, M/M, 304 Stainless Steel



Temperature Gauges

Pipe Mounting Thermometer

63mm Ø case with plastic window, Class 2 accuracy, with spring suitable for 3/8" to 1-1/2" diameter pipes.

PRODUCT CODE	DESCRIPTION
91616000	0/120°C only scale, st/steel case
S202G151Z	0/120°C+f scale, black steel case



Back stem thermometer black steel case with plated bezel, Class 2 accuracy, supplied with 1/2" BSP brass pocket. 63mm Ø with 50mm back stem

PRODUCT CODE	DESCRIPTION
T201F215A	-30/+60°C+f dual scale
T201F251A	0/120°C+f dual scale
T201F255A	0/160°C+f dual scale



Back stem thermometer black steel case with plated bezel, Class 2 accuracy, supplied with 1/2" BSP brass pocket. 63mm Ø with 100mm back stem

PRODUCT CODE	DESCRIPTION
T201F215C	-30/+60°C+f dual scale
T201F251C	0/120°C+f dual scale
T201F255C	0/160°C+f dual scale



Back stem thermometer black steel case with plated bezel, Class 2 accuracy, supplied with 1/2" BSP brass pocket. 100mm Ø with 50mm back stem

PRODUCT CODE	DESCRIPTION
T401F215A	-30/+60°C+f dual scale
T401F251A	0/120°C+f dual scale
T401F255A	0/160°C+f dual scale



Back stem thermometer black steel case with plated bezel, Class 2 accuracy, supplied with 1/2" BSP brass pocket. 100mm Ø with 100mm back stem

PRODUCT CODE	DESCRIPTION
T401F215C	-30/+60°C+f dual scale
T401F251C	0/120°C+f dual scale
T401F255C	0/160°C+f dual scale



Temperature Gauges

Bottom stem thermometer black steel case with plated bezel. Class 2 accuracy. Supplied with 1/2" BSP brass pocket. 63mm Ø with 50mm bottom stem.

PRODUCT CODE	DESCRIPTION
T201A215A	-30/+60°C+f dual scale
T201A251A	0/120°C+f dual scale
T201A255A	0/160°C+f dual scale



Bottom stem thermometer black steel case with plated bezel. Class 2 accuracy. Supplied with 1/2" BSP brass pocket. 63mm Ø with 100mm bottom stem.

PRODUCT CODE	DESCRIPTION
T201A215C	-30/+60°C+f dual scale
T201A251C	0/120°C+f dual scale
T201A255C	0/160°C+f dual scale



Bottom stem thermometer black steel case with plated bezel. Class 2 accuracy. Supplied with 1/2" BSP brass pocket. 100mm Ø with 50mm bottom stem.

PRODUCT CODE	DESCRIPTION
T401A215A	-30/+60°C+f dual scale
T401A251A	0/120°C+f dual scale
T401A255A	0/160°C+f dual scale



Bottom stem thermometer black steel case with plated bezel. Class 2 accuracy. Supplied with 1/2" BSP brass pocket. 100mm Ø with 100mm bottom stem.

PRODUCT CODE	DESCRIPTION
T401A215C	-30/+60°C+f dual scale
T401A251C	0/120°C+f dual scale
T401A255C	0/160°C+f dual scale



Copper Sensor Pockets

Pockets in copper / brass with 1/2" BSP brass male thread.

PRODUCT CODE	DESCRIPTION
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91876300	1/2" BSPT pocket, 300mm length x 9mm I/D
91876250	1/2" BSPT pocket, 250mm length x 9mm I/D
91876200	1/2" BSPT pocket, 200mm length x 9mm I/D
91876150	1/2" BSPT pocket, 150mm length x 9mm I/D
91886120	1/2" BSPT pocket, 100mm length x 7mm I/D
91887120	1/2" BSPT pocket, 100mm length x 15mm I/D
91876101	1/2" BSPT pocket, 100mm length x 9mm I/D with 14mm internal collar
91887125	1/2" BSPT pocket, 100mm length 3 bulb internal profile
91886105	1/2" BSPT solid brass pocket, 50mm length x 7mm I/D
91876051	1/2" BSPT solid brass pocket, 50mm length x 9mm I/D with 14mm internal collar



PRODUCT CODE	DESCRIPTION
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91887131	Sensor spring clip
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Filling Loops & Flexible Hoses

Tap Accessories

PRODUCT CODE	DESCRIPTION
0090200500	Double check valve, 300mm hose and single ball valve
0090200500PC	Part L compliant, double check valve with ball valve, 300mm hose, single ball valve, including end caps
ADFLCAP	1/2" end cap with captive rubber washer and rubber strap



Concealed Cistern Flexible Connection Hose

PRODUCT CODE	DESCRIPTION
0090501212	1/2" F x 1/2" F Elbow 450mm with captive rubber washers



PRODUCT CODE	DESCRIPTION
0090591234	1/2" F straight x 3/4" F elbow, 450mm length
0090571234	1/2" M straight x 3/4" F elbow, 800mm length
0090581234	1/2" M straight x 3/4" F elbow, 1200mm length



PRODUCT CODE	DESCRIPTION
AD264173	10mm AF hex box spanner, 180mm length
140507	1/2" brass flanged back nut
1407007	M28 x 1.5 brass flanged back nut



Magnet Filters

New compact magnetic filter with a powerful gauss magnet along with stainless steel mesh filter to provide a very high degree of filtration and protection within the heating system.

Features:

- Powerful 13200 gauss magnet
- 800 micron mesh filtration
- 316 stainless steel mesh filter
- 90 degree angled 3/4" connections.
- Full bore Isolation valve
- Drain connection
- Maintenance tool for filter removal
- 90°C max temperature
- 6bar max pressure
- Boxed with full user instructions.
- Made in Italy

PRODUCT CODE	DESCRIPTION
0908513434	3/4" magnetic filter, 13200 gauss



New multi orientation magnetic filter with a powerful gauss magnet along with 2 stage stainless steel mesh filtration, complete with isolation valves, air vent and drain valve.

Features:

- Powerful 14000 gauss magnet
- 2 stage filtration: stage 1= 500micron, stage 2= 800 micron
- 316 stainless steel mesh filter
- Vertical, horizontal and 45degree angle installation
- Manual air vent
- Drain valve
- Isolation valves
- Maintenance tool for filter removal
- 90°C max temperature
- 3bar max pressure
- Boxed with full user instructions.
- Made in Italy

PRODUCT CODE	DESCRIPTION
3150032	3/4" magnetic filter, 14000 gauss
3150038	1" magnetic filter, 14000 gauss



Check Valves & Y Type Filters

PRODUCT CODE	DESCRIPTION
AD511SC	15mm single check valve
AD511SD	22mm single check valve
AD511SE	28mm single check valve



PRODUCT CODE	DESCRIPTION
AD3500003	1/2" F/F single check valve, Nylon Shutter
AD3500004	3/4" F/F single check valve, Nylon Shutter
AD3500001	1" F/F single check valve, Nylon Shutter
AD3500006	1-1/4" F/F single check valve, Nylon Shutter
AD3500008	1-1/2" F/F single check valve, Nylon Shutter
AD3500007	2" F/F single check valve, Nylon Shutter
AD3500022	2-1/2" F/F single check valve, Nylon Shutter
AD3500018	3" F/F single check valve, Nylon Shutter
AD3500034	4" F/F single check valve, Nylon Shutter



PRODUCT CODE	DESCRIPTION
AD511DC	15mm double check valve
AD511DD	22mm double check valve
AD511DE	28mm double check valve



PRODUCT CODE	DESCRIPTION
0089100015	15mm compression Y type strainer
0089100022	22mm compression Y type strainer



PRODUCT CODE	DESCRIPTION
090230001	1/2" BSP F/F Y type strainer, 350 micron
090230003	3/4" BSP F/F Y type strainer, 350 micron
090230010	1" BSP F/F Y type strainer, 500 micron
090230114	1-1/4" BSP F/F Y type strainer, 500 micron
090230112	1-1/2" BSP F/F Y type strainer, 500 micron
090230200	2" BSP F/F Y type strainer, 500 micron
090230212	2-1/2" BSP F/F Y type strainer, 500 micron
090230030	3" BSP F/F Y type strainer, 500 micron
090230040	4" BSP F/F Y type strainer, 500 micron



Balancing Valves

Domestic Balancing Valve in brass for hydraulic circuits complete with pressure test plugs. Flow rate measurement based on the Venturi principle.

Balancing valves allow optimal regulation of the system's flow rate, both during the heating and the cooling phase. Utilisation of the Venturi principle at constant kV makes it possible to carry out fast pre-regulation and then simplifies the final calibration inside the system.

Connections:	1/2" to 2"
Operating temperature:	-10°C to +160°C
Maximum pressure:	16 bar
Medium:	water / glycol mix (max 50%)
Body material:	Brass CW617N UNI EN 12165
Pressure plugs material:	Brass CW614N UNI EN 12164
Control Knob material:	ABS, PA6
Gaskets:	EPDM
Adjustment turns:	5
Mechanical memory for keeping the position.	
Supplied with label for recording valve setting data.	

PRODUCT CODE	SIZE
AD6510008	1/2"
AD6510009	3/4"
AD6510010	1"
AD6510011	1-1/4"
AD6510012	1-1/2"
AD6510013	2"



PRODUCT CODE	DESCRIPTION
AD6510229	1/2" Pex Insulated cover only
AD6510230	3/4" Pex Insulated cover only
AD6510231	1" Pex Insulated cover only
AD6510232	1-1/4" Pex Insulated cover only
AD6510233	1-1/2" Pex Insulated cover only
AD6510234	2" Pex Insulated cover only









PRODUCT CODE	DESCRIPTION
AD6510236	Printed label + steel ring for recording measurements

Test Plugs

Binder Test Plugs

Binder Style Test Plugs.

PRODUCT CODE	DESCRIPTION	
BP-EP087B	Brass 1/4" BSPT standard test plug, Blue strap	
BP-EP087R	Brass 1/4" BSPT standard test plug, Red strap	
BP-EP08BL	Brass 1/4" BSPT standard test plug, Black strap	
BP-EP08XBL	Brass 1/4" BSPT extended test plug, Black strap	
BP-EP15SBL	Brass 1/2" BSPT standard test plug, Black strap	
BP-EP15XBL	Brass 1/2" BSPT extended test plug, Black strap	

Ball Valves

Lever Ball Valves - compression supplied with two handles in red and blue

PRODUCT CODE	SIZE	COLOUR
0222530015	15mm	Red / Blue Dual Handle
0222530022	22mm	Red / Blue Dual Handle
0222530028	28mm	Red / Blue Dual Handle



T Handle Lever Ball Valves - compression

PRODUCT CODE	SIZE	COLOUR
0222710015	15mm	Red
0222710022	22mm	Red
0222710028	28mm	Red
0222730015	15mm	Blue
0222730022	22mm	Blue
0222730028	28mm	Blue



Lever Ball Valves - ISO228 parallel thread - Female / Female

PRODUCT CODE	SIZE	COLOUR
2310045	1/4" ISO7	Red
2310034	3/8" ISO7	Red
2310002	1/2"	Red
2310008	3/4"	Red
2310001	1"	Red
2310005	1"1/4	Red
2310009	1"1/2	Red
2310004	2"	Red
2310037	2" 1/2	Red
2310021	3"	Red
2310027	4"	Red



Lever Ball Valves - ISO228 parallel thread - Male / Female

PRODUCT CODE	SIZE	COLOUR
2310054	1/4" ISO7	Red
2310041	3/8" ISO7	Red
2310013	1/2"	Red
2310014	3/4"	Red
2310011	1"	Red
2310018	1"1/4	Red
2310025	1"1/2	Red
2310023	2"	Red



Bib Taps & Garden Taps

Lockable Bib -Tap

PRODUCT CODE	DESCRIPTION
AD2500009	1/2" red lever operated bib -tap, lockable



Bib Taps with ANTI FROST and ANTI LEGIONELLA

Unique design prevents ice formation and stagnant water to form.

PRODUCT CODE	DESCRIPTION
AD2500067	1/2" bib tap with blue handle, anti frost & anti legionella
AD2500068	3/4" bib tap with blue handle, anti frost & anti legionella



DUPLEX bib tap with dual outlet and featuring anti frost and anti legionella

PRODUCT CODE	DESCRIPTION
AD2500062	1/2" bib tap with green handle, hose union and 3/4" outlet



Standard Bib Taps

PRODUCT CODE	DESCRIPTION
AD2500043	1/2" bib tap with black lever handle
AD2500044	3/4" bib tap with black lever handle
AD2500045	1" bib tap with black lever handle



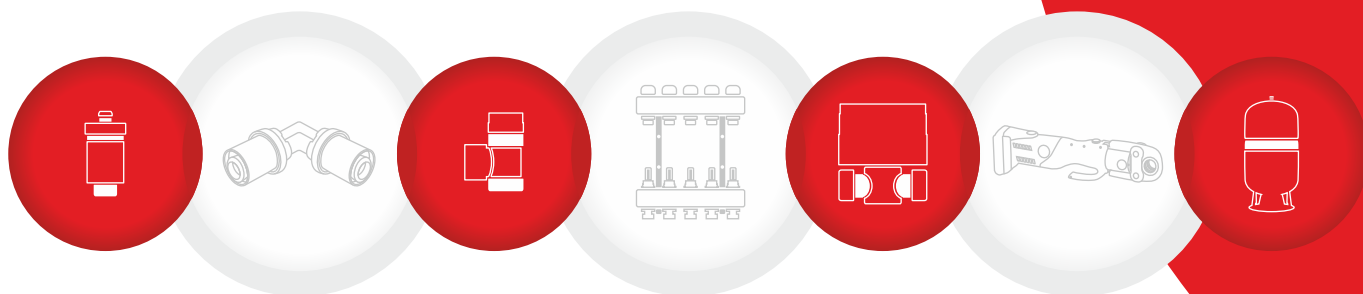
PRODUCT CODE	DESCRIPTION
AD2500001	1/2" bib tap with red lever handle
AD2500003	3/4" bib tap with red lever handle
AD2500004	1" bib tap with red lever handle



Conditions of Sale

1. PARTIES - In these conditions the term "ADVANTAY LTD" shall mean ADVANTAY LTD and any of its subsidiary companies and its successors in title and the expression buyer shall mean the buyer of the goods ordered from ADVANTAY LTD.
2. GENERAL - All quotations are made, and all orders are accepted, subject to the following terms and conditions, and no variation thereof will be recognised unless agreed in writing between the two parties.
3. VALIDITY - Unless previously withdrawn, all quotations are open for acceptance within thirty days only, from the date thereof, and are subject to confirmation at the time of such acceptance.
4. PRICES - All prices quoted or published by ADVANTAY LTD are subject to alteration without prior notice. In the case of accepted orders the buyer shall have the option of withdrawing from the transaction if he is unwilling to accept the alteration provided that manufacture of the goods covered by the order has not commenced, in which event clause 7 Cancellation and Return of Goods shall apply. Neither party shall have any claim against the other arising from the buyer's withdrawal in these circumstances except where clause 7 applies.
5. CURRENCY FLUCTUATIONS - All quotations are based on the exchange rate current at the time or indicated in the quotation. Notwithstanding the buyer's option under clause 4 ADVANTAY LTD reserve the right to alter or withdraw quotations should the exchange rate change by +/- 5% or more.
6. PAYMENT - The buyer shall pay for the goods delivered within 30 days from end of invoice month of ADVANTAY LTD'S invoice for the same unless otherwise agreed in writing between ADVANTAY LTD and the buyer. ADVANTAY LTD shall be entitled to charge interest at its discretion at the rate 5% per annum above bank rate applicable from time to time on any sum outstanding on any such invoice after the expiration of the said 30 days.
7. CANCELLATION AND RETURN OF GOODS - Orders for goods that are not ADVANTAY LTD standard products are only accepted on the condition that cancellation or return cannot be accepted by ADVANTAY LTD. Cancellation of orders for, or return of, current standard products cannot be accepted without the previous consent of ADVANTAY LTD in writing, and in all cases a handling charge will be levied. If the buyer should default in or commit a breach of the contract or any part of their obligations due to whatever reason ADVANTAY LTD reserve the right to terminate any contract subsisting without prejudice to any claim or right ADVANTAY LTD may otherwise make or exercise.
8. DELIVERY - Any time or date indicated is an estimate only, and ADVANTAY LTD shall not be liable for:
 - a) The consequence of any delay, nor in the event of delay in delivery for any reason whatsoever, shall the buyer be entitled to cancel the order.
 - b) Any delivery charges. Unless otherwise specified in writing by ADVANTAY LTD prices quoted exclude delivery charges.
 - c) Method of delivery. Any method of delivery used will be at the option of ADVANTAY LTD and will be charged extra at the scale charge ruling at the date of despatch.
9. ACCEPTANCE - The acceptance of any ADVANTAY LTD tender/ quotation must be accompanied by sufficient information to enable ADVANTAY LTD to proceed with the order forthwith, otherwise ADVANTAY LTD reserves the right to renegotiate the price to include any subsequent increase in costs. No contract is deemed to be effected until acknowledged by ADVANTAY LTD in writing.
10. DAMAGES, SHORTAGES OR LOSS - No claim for damage in transit, shortage of delivery or loss of goods will be entertained unless, in the case of damage in transit or shortage of delivery a separate notice in writing is given to the carrier concerned and to ADVANTAY LTD within three days of receipt of the goods, followed by a complete claim in writing within ten days of receipt of goods and in the case of loss of goods, notice in writing is given to the carrier concerned and to ADVANTAY LTD and a complete claim in writing made within seven days of the date of consignment. Where goods are accepted from the carrier without being checked, the delivery book of the carrier must be signed "not examined". ADVANTAY LTD does not accept liability for any consequential loss incurred due to incorporation / use of supplied goods.
11. SPECIFICATIONS - Where specifications are to be supplied, the buyer shall supply such specifications in reasonable time to enable ADVANTAY LTD to complete delivery within the estimated period. Any unreasonable delay in submitting such specifications by the buyer shall be deemed to and be additive to any delays beyond the estimated period.
12. SPECIFIED MATERIAL - Where a buyer's order involves purchase of material from an external specified or non-specified supplier, any responsibility for the delay in delivery caused by such supply shall rest with the buyer.
13. PERFORMANCE - Any performance figures given by ADVANTAY LTD are based upon experience and are such that ADVANTAY LTD expects to obtain on test. ADVANTAY LTD will accept no responsibility if those figures are not obtained in particular application unless they specifically guarantee them under an agreed sum, as liquidated damages, subject to the recognised tolerances and rejection limits applicable to such figures. ADVANTAY LTD are to be given reasonable time to comply with the terms of the guarantee but otherwise the buyer assumes responsibility for the capacity and performance of the goods being sufficient and suitable for their purposes. No condition is made or to be implied nor is any warranty given or to be implied that the goods supplied will be suitable for any particular purpose or for use under any specific conditions.
14. INDEMNITY - The buyer shall indemnify ADVANTAY LTD against all damages, penalties, costs and expenses to which ADVANTAY LTD may become liable as a result of work done in accordance with the buyer's specification which involves infringement of any letters of patent or registered design. ADVANTAY LTD does not accept liability for any consequential loss incurred due to incorporation / use of supplied goods.
15. ARBITRATION - Any dispute or difference whatsoever that arises under the contract shall be referred to an arbitrator/s to be agreed between the parties, or in default of an agreement, to the President of the Law Society for the time being, and his or their decision shall be binding on both thereof.
16. OWNERSHIP - ADVANTAY LTD and the buyer expressly agree that until ADVANTAY LTD have been paid in full for the goods comprised in this or any other sale contract between them:
 - a) the goods comprised in this contract remain the property of ADVANTAY LTD (although the risk therein passes to the buyer at the point when delivery begins).
 - b) ADVANTAY LTD, may recover those goods at any time from the buyer if in his possession, if the amount outstanding from the buyer to ADVANTAY LTD in respect of goods, supplied shall remain unpaid after the due date for payment has passed, and for that purpose ADVANTAY LTD, its servants and agents may reasonably enter upon any land or building upon which the goods are situated.
 - c) the buyer has the right to dispose of the goods in the course of his business for the account of ADVANTAY LTD (but any warranties, conditions or representation given or made by the buyer or any third party shall not be binding on ADVANTAY LTD who shall be indemnified by the buyer with respect thereto) and pass good title to the goods to his customer being a bona fide purchaser for value without notice of ADVANTAY LTD rights.
 - d) in the event of such disposal the buyer has the fiduciary duty to ADVANTAY LTD to account to ADVANTAY LTD for the proceeds but may retain therefrom an excess of such proceeds over the amount outstanding under this or any other sale contract between them and ADVANTAY LTD.
 - e) if the buyer incorporates such goods into other products (with the addition of his goods or those of others) or uses such goods as material for other products (with or without such addition) the property in those other products is upon such incorporation or use ipso facto transferred to ADVANTAY LTD and the buyer as bailee of them for ADVANTAY LTD will store the same for ADVANTAY LTD, in the event of such incorporation or use as is envisaged by this subclause, the provisions of subclause 16 (b) to (d) above shall apply, mutatis mutandis, to those products in place of the goods.
17. LAW APPLICABLE - These conditions and the contract shall be subject to and construed in accordance with English Law.
18. PRODUCT IMAGERY - All images used are of actual product where available. Due to continuous product development supplied products may differ from image shown.

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