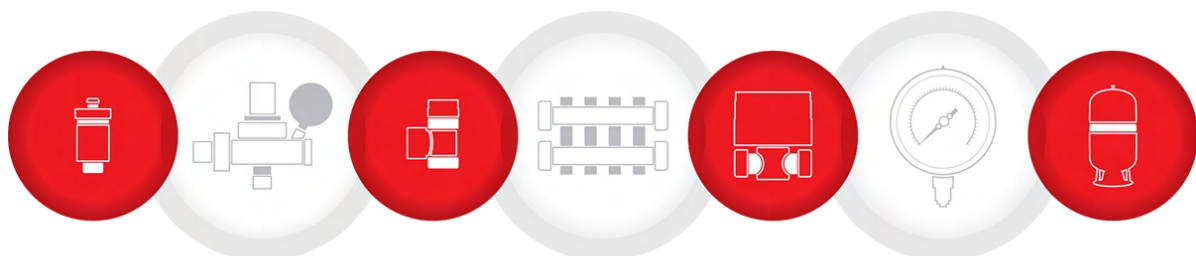


advantay

PRODUCT GUIDE



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.

How we help:

Ex stock delivery
Normally Next Day by courier
Carriage paid for orders over £100.00 ex VAT

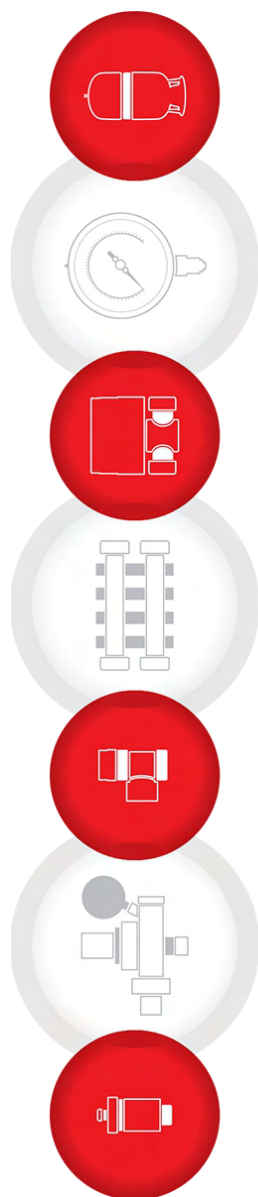
Full technical support
Manufacturer backed warranty
Trade credit accounts available

Advantay Ltd
Vantage House
Woodhall Business Park
Sudbury
Suffolk
CO10 1WH

T: 01787 314070
E: info@advantay.co.uk

Advantay are accredited to ISO 9001:2015.





BUFFER TANK & RENEWABLES - CHAPTER 1

4

Heat Pump Buffer Tanks	5 - 8
Heat Pump Buffer Tank Installation Kits	9
Buffer Tanks 100ltr - 1000ltr	10
Buffer Tanks 1500ltr - 5000ltr	11
Single Coil Buffer Tanks	12
Twin Coil DHW Buffer Tanks	13
Volumiser Tanks	14
Buffer Tank Accessories	15
Anti Freeze Valves	16
Filter Ball Valves	16
Heat Pump Accessories	17
Solar Expansion Vessels / Accessories	18
Low Loss Headers	19
Biomass Valves & Controls	20

PLUMBING & HEATING - CHAPTER 2

21

Unvented Water Heater Spares	22
Thermostats	23
Expansion Vessels Heating	24 - 26
Expansion Vessels Potable	27 - 30
Expansion Vessels Stainless Steel	31
Expansion Vessels Slim Line	32
Expansion Vessels Accessories	33
Water Softener Bypass / Installation Valve	34
Flushing Bypass Valve	35
Thermostatic Mixing Valves	36
Inlet / Filling Valves	37
Pressure Reducing valves	38 - 39
Automatic Air Release Valves	40
Automatic Bypass Valves	41
Pressure Relief Valves	42 - 45
Pressure & Temperature Relief Valves	46
Flue / Terminal Guards	47 - 48
Boiler Accessories	49
Pressure Gauges	50 - 57
Pressure Gauge Accessories	58
Calibration Services	59
Temperature Gauges	60 - 61
Sensor Immersion Pockets	62
Test Plugs / Test Probes	63
Filling Loops & Hoses	64
Tap Accessories	64
MiniDue Limescale Prevention	65
Water Filters	66
Check Valves	67
Y Type Filters	67
Balancing Valves	68
Perfect Pump Valves / Ball Valves	69
Bib Taps / Garden Taps & Accessories	70

PLASTIC TANKS - CHAPTER 3

71

Above Ground Plastic Tanks	72 - 74
----------------------------	---------

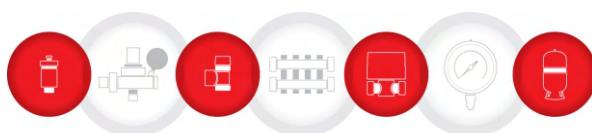
OEM SPARES - CHAPTER 4

75

Official Manufacture OEM Spares	76 - 86
Conditions of Sale	87

CHAPTER 1

BUFFER TANKS BIOMASS & 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 50ltr 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 & 20ltr All Stainless Steel

All stainless steel heat pump buffer vessel / low loss header with integral wall mounting brackets, manufactured using 316 grade stainless steel for the 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 Connections: 4 x 1" F flow and return connections, positioned 2 each side 1 x 1/2" F top connection for automatic air release valve 1 x 3/4" F bottom high flow drain connection 1 x 1/2" F sensor front mounted port 310mm O/D x 600mm H



PRODUCT CODE	DESCRIPTION
HPBT0020	20ltr heat pump buffer vessel, Class A rated Connections: 4 x 1-1/4" F flow and return connections, positioned 2 each side 1 x 1/2" F top connection for automatic air release valve 1 x 3/4" F bottom high flow drain connection 1 x 1/2" F sensor front mounted port 360mm O/D x 600mm H



Specifications:

Class A rated

Wall mounted with integral welded bracket

All stainless steel construction

Max pressure 10bar

Min temperature -10°C

Max temperature +95°C

10 year warranty

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.

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

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

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

Wall Hung - 4 Flow/Return

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

400mm 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



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

Wall Hung - 4 Flow/Return + 1-1/2" Auxiliary Port

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

400mm O/D x 665mm 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" F immersion heater element port.

5 year warranty



Heat Pump Buffer Tanks

50ltr Carbon Steel

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.

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

The ACF-50ltr range available as wall mount or floor standing featuring twin insulation layer and a rigid PVC Jacket. The ACF has an industry leading Class A energy rating and is ERP ready.

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

Floor Standing - 4 Flow/Return + 1-1/2" Auxiliary Port	
---	--

ACF - 50V	50ltr heat pump buffer vessel - No Element
------------------	--

Specifications:

Class A rated

Floor standing

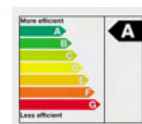
Carbon steel

Max pressure 10bar

Min temperature -10°C

Max temperature +95°C

410mm O/D x 880mm 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" F immersion heater element port

5 year warranty

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

Wall Hung - Cascading Buffer Tank with 4 Flow/Return for Twin Heat Pump + 2 x flow/Return + 1-1/2" Auxiliary Port	
--	--

ACF -50PLUS	50ltr CASCADING 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 880mm H



Connections:

4 x 1-1/4" F side connections + 2 x 1-1/4" F side connections

3 x 1/2" F sensor / monitoring ports

1 x 1/2" F lower side drain connection

1 x 1-1/4" F top connection for air release valve

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

5 year warranty

Heat Pump Buffer Tank

Installation Kits

Heat Pump Buffer Tanks

Advantay offer a range of installation kits for the heat pump buffer tanks designed to match the size of buffer tank required.

Alternatively you can select options below to suit your own installation requirements.

PRODUCT CODE

HPBTINKT12

13ltr buffer tank
Kit Inc:
1 x Auto Air Vent
1 x Drain Valve
4 x 1" x 28mm male iron
1 x 1/2" capping plug

PRODUCT CODE

HPBTINKT20

20ltr buffer tank
Kit Inc:
1 x Auto Air Vent
1 x Drain Valve
4 x 1-1/4" x 28mm male iron
1 x 1/2" capping plug

PRODUCT CODE

HPBTINKT35

24/35ltr wall hung buffer tank
Kit Inc:
1 x Auto Air Vent
1 x Drain Valve
4 x 1-1/4" x 28mm male iron
2 x 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 3/4" reducer



Image for illustration purposes

PRODUCT CODE

HPBTINKT51

50 wall hung buffer tank
Kit Inc:
1 x Auto Air Vent
1 x Drain Valve
6 x 1-1/4" x 28mm male iron
2 x 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 3/4" reducer

PRODUCT CODE

HPBTINKT50

50/100ltr floor stand buffer tank
Kit Inc:
1 x Auto Air Vent
4 x 1-1/4" x 28mm male iron
2 x 1/2" capping plug
1 x 1-1/2" capping plug
1 x 1-1/4" x 1/2" 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



Reducing Bushes

PRODUCT CODE	DESCRIPTION
ADBRBUSH-HD	1-1/2" x 1/2" bush
ADBRBUSH-GD	1-1/4" x 1/2" bush
ADBRBUSH-HE	1-1/2" x 3/4" bush
ADBRBUSH-GE	1-1/4" x 3/4" bush



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
AD1130289	1-1/4" 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



Immersion Heating Element

PRODUCT CODE	DESCRIPTION
AD13027	3kw, 230v, 1-1/2"
	Element + Thermostat suitable for 35ltr tanks upwards and fitted with a suitable 1-1/2" female port
	320mm insertion length



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.

Fully insulated with closed cell PE, and rigid cover.

Sizes from 100ltr up to 1000ltr.

100ltr version with wall mounting brackets or floor standing.

200ltr to 1000ltr floor standing.

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

1/2" sensor / thermostat connections.

1 x top entry water connection.

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

2 year warranty

PRODUCT CODE	SIZE	RATING	MAX TEMP	MAX BAR	HEIGHT	DIAMETER
--------------	------	--------	----------	---------	--------	----------

Wall Hung - 6 x Flow/Return + 1-1/2" Auxiliary Port

ACF-100P	100ltr	B	+95°C	10bar	960mm	510mm
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Floor Standing - 4 Flow/Return + 1-1/2" Auxiliary Port

ACF-100V	100ltr	B	+95°C	10bar	960mm	510mm
----------	--------	---	-------	-------	-------	-------



PRODUCT CODE	SIZE	RATING	MAX TEMP	MAX BAR	HEIGHT	DIAMETER
--------------	------	--------	----------	---------	--------	----------

P-PLUS 200	200ltr	B	+95°C	10bar	1200mm	610mm
P-PLUS 300	300ltr	B	+95°C	10bar	1670mm	650mm
P-PLUS 500	500ltr	C	+95°C	8bar	1735mm	760mm
P-PLUS 600	600ltr	C	+95°C	8bar	1930mm	760mm
P-PLUS 800	800ltr	C	+95°C	8bar	1815mm	940mm
P-PLUS 1000	1000ltr	C	+95°C	8bar	2065mm	940mm



Connections:

	Side Connections	Sensor Connections	Top Connection	Bottom Connection
ACF-100V	= 5 x 1-1/2" F	3 x 1/2" F	1-1/4" F	-
ACF-100P	= 7 x 1-1/2" F	3 x 1/2" F	1-1/4" F	1-1/4" F (ACF-100P wall hung)
P-PLUS 200	= 6 x 1-1/2" F	3 x 1/2" F	1-1/4" F	-
P-PLUS 300 - 600	= 8 x 1-1/2" F	4 x 1/2" F	1-1/4" F	-
P-PLUS 600 - 1000	= 8 x 1-1/2" F	4 x 1/2" F	1-1/2" F	-

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.

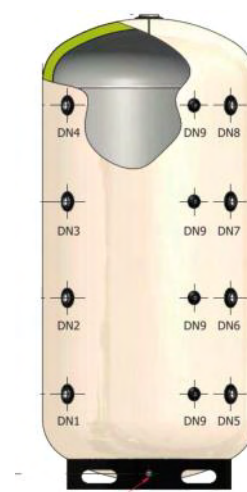
Fully insulated with open cell PE soft jacket from 1500ltr to 5000ltr.

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.

Single Coil Buffer Tanks

Carbon Steel

The PPS1 is a range of single coil buffer tanks for use with two individual heat sources which can include ASHP, GSHP and an additional Solar Hot Water System.

These single coil buffer tanks are used for hot water distribution and not suitable for potable or sanitary hot water.

Carbon steel construction tank construction used with treated water

Single coil for use with secondary heat source.

Floor Standing.

Sizes from 300ltr up to 2000ltr.

Fully insulated.

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

1" to 1-1/4" coil connections depending in size.

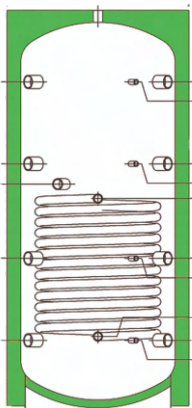
1/2" sensor / thermostat control connections.

1 x top entry water connection.

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



PRODUCT CODE	SIZE	RATING	COIL		DIAMETER	HEIGHT
			M ²	ltr		
PPS1-300	271	B	1.5	11	650	1670
PPS1-500	461	C	2.1	17	760	1735
PPS1-600	543	C	2.1	17	760	1930
PPS1-800	693	C	2.4	25	940	1815
PPS1-1000	808	C	3.0	32	940	2065
PPS1-1500	1532	C	4.1	43	1270	2440
PPS1-2000	1846	C	4.6	49	1370	2470



Max temperature: 95°C

Max pressure: 10bar = 300ltr

Max pressure: 8bar = 500ltr to 1000ltr

Max pressure: 4bar = 1500ltr to 2000ltr

Max coil pressure: 12bar

Full detailed specification available on request

PLEASE NOTE: Manufactured to order and delivered, individually wrapped from our factory.

Twin Coil DHW Buffer Tanks

Carbon Steel + Stainless Steel Coils

Combi Quick is a range of multi energy buffer tanks complete with stainless steel twin coils.

Primary coil for the production of DHW with a large capacity and quick heat transfer. Secondary smaller coil can be used for additional heat call off.

Carbon steel construction tank construction used with treated water.

Stainless steel twin corrugated coils for potable hot water.

Floor Standing.

Sizes from 300ltr up to 2000ltr.

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

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

1" stainless steel coil connections.

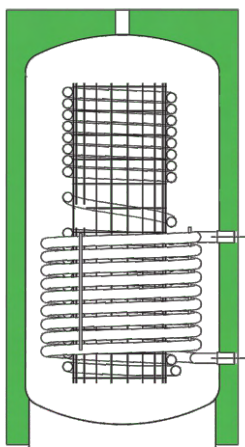
1/2" x 4 sensor / thermostat control connections.

1 x top entry water connection.

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



PRODUCT CODE	SIZE	RATING	DHW COIL		LOWER COIL		DIAMETER	HEIGHT
			M ²	ltr	M ²	ltr		
CQP-300	249	B	4.5	23	1.5	11	650	1670
CQP-500	442	C	5.3	27	1.3	17	760	1735
CQP-600	524	C	5.3	27	1.3	17	760	1930
CQP-800	693	C	6	30	1.8	25	940	1815
CQP-1000	826	C	7.5	38	2.4	32	940	2065
CQP-1500	1335	C	10	50	3	43	1270	2440
CQP-2000	1834	C	10	50	3.4	49	1370	2470



Max temperature: 95°C

Max pressure: 8bar = 300ltr to 1000ltr

Max pressure: 3bar = 1500ltr to 2000ltr

Max coil pressure: 12bar

Full detailed specification available on request

PLEASE NOTE: Manufactured to order and delivered, individually wrapped from our factory.

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 male connections.

Additional range with large bore 1" connections.



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

PRODUCT CODE	SIZE	CONNECTION	MAX BAR	MAX C	O/D	HEIGHT
0093300012	12ltr	3/4" BSP M/M	10bar	110°C	270mm	315mm
0093300018	18ltr	3/4" BSP M/M	10bar	110°C	270mm	420mm
0093300024	24ltr	3/4" BSP M/M	10bar	110°C	270mm	500mm
0093300035	35ltr	3/4" BSP M/M	10bar	110°C	400mm	405mm
0093300050	50ltr	3/4" BSP M/M	10bar	110°C	400mm	520mm



PRODUCT CODE	SIZE	CONNECTION	MAX BAR	MAX C	O/D	HEIGHT
0093390018	18ltr	1" BSP M/M	10bar	110°C	260mm	370mm
0093390024	24ltr	1" BSP M/M	10bar	110°C	270mm	500mm
0093390035	35ltr	1" BSP M/M	10bar	110°C	380mm	435mm



Buffer Tank Accessories

PRODUCT CODE	DESCRIPTION
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T201F251C	63mm dial, 100mm x 1/2" back stem inc pocket, 0 - 120°C /°f range
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T401F251C	100mm dial, 100mm x 1/2" back stem inc pocket , 0 - 120°C/°f range
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PRODUCT CODE	DESCRIPTION
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0050800012	1/2" M AAV with O - ring seal complete with check valve
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0050700012	1/2" M AAV with O - ring seal
-------------------	-------------------------------



PRODUCT CODE	DESCRIPTION
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AD2310014	3/4" M/F full bore red lever ball valve
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PRODUCT CODE	DESCRIPTION
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91876300	1/2" BSPT pocket, 300mm length x 9mm I/D
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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
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91886120	1/2" BSPT pocket, 100mm length x 7mm I/D
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91887120	1/2" BSPT pocket, 100mm length x 15mm I/D
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91876101	1/2" BSPT pocket, 100mm length x 9mm I/D
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91887125	1/2" BSPT pocket, 100mm length 3 bulb internal profile
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91886105	1/2" BSPT solid brass pocket, 50mm length x 7mm I/D
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91876051	1/2" BSPT solid brass pocket, 50mm length x 9mm I/D with 14mm internal collar
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Anti Freeze & Filter Ball Valves

Antifreeze Valves

The Advantay Anti freeze valve has been designed to protect heat pump systems from damage as a result of water temperatures falling to 3°C.

TECHNICAL SPECIFICATIONS:

Nominal pressure: PN 10

Fluid temperature (opening): 3°C

Operating temperature: -30 to +50°C

Fluid temperature (closed): 4 °C

Accuracy: ±1°C

Vacuum breaker valve - inspectable

PRODUCT CODE	DESCRIPTION
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0152000028	28mm Antifreeze Valve
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0152000100	1" MM Antifreeze Valve
0152000114	1-1/4" MM Antifreeze Valve
0152000112	1-1/2" MM Antifreeze Valve



015200100U	1" F Union x 1" M Antifreeze Valve
015200114U	1-1/4" Union x 1-1/4" M Antifreeze Valve



Filter Ball Valves

The Advantay filter ball valves with lever handle and stainless steel filter basket designed to offer greater surface area filtering with less clogging due to the internal design. removable and cleanable.

Max Pressure: 16bar

Max Temperature: 120°C

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

ADV02514	1/2" filter ball valve
ADV03514	3/4" filter ball valve
ADV04514	1" filter ball valve
ADV05514	1-1/4" filter ball valve
ADV06514	1-1/2" filter ball valve



Heat Pump Accessories

PRODUCT CODE	DESCRIPTION
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ADDEAER01	22mm Deaerator, 10bar, 100°C, high flow
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ADDEAER02	28mm Deaerator, 10bar, 100°C, high flow
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PRODUCT CODE	DESCRIPTION
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AD6510002	1" M/M flow setter, 4 to 15ltr/min
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AD6510003	1" M/M flow setter, 8 to 30ltr/min
-----------	------------------------------------

AD6510004	1" M/M flow setter, 10 to 40ltr/min
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PRODUCT CODE	DESCRIPTION
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ADCOSAF-22F	1" F x 22mm compression flow setter adapter
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ADCOSAF-28F	1" F x 28mm compression flow setter adapter
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PRODUCT CODE	DESCRIPTION
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AD4700267	1" F x 3/4" F Fill / Drain, with flow setter 1 to 10ltr/min
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AD4700268	1" F x 3/4" F Fill / Drain, with flow setter 8 to 30ltr/min
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PRODUCT CODE	DESCRIPTION
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AD3170002	1" M Anti freeze filling valve with insulation
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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 2.5bar



PRODUCT CODE	SIZE	CONNECTION	MAX BAR	MAX C	O/D	HEIGHT
0093200008	8ltr	3/4" M	10bar	130°C	205mm	300mm
0093200018	18ltr	3/4" M	10bar	130°C	270mm	410mm
0093200024	24ltr	3/4" M	10bar	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

PLEASE NOTE: * Manufactured to order and delivered, individually wrapped from our factory.

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
4720019	1/2" BSP M, Solar Drain Valve with hose outlet and cover



PRODUCT CODE	DESCRIPTION
ADSOLF01	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.

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

Low Loss Header complete with insulated cover, AISI 304 stainless steel

PRODUCT CODE	CONNECTION	FLOW RATE	MAX °C	MAX BAR
ADVLLH001	1" M x 4	2500 ltr/h	100°C	10bar
ADVLLH002	1-1/4" M x 4	4000 ltr/h	100°C	10bar
ADVLLH003	1-1/2" M x 4	6000 ltr/h	100°C	10bar



Low Loss Header complete with insulated cover, carbon steel. Inc 2 x 1/2" sensor ports.

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, carbon steel. Inc 2 x 1/2" sensor ports.

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



Anti-Condensation valve with thermostatic control

The anti-condensation thermic valve optimizes the connection of the solid fuel heating source to the heating system, or to the buffer tank, automatically adjusting the temperature of the water returning to the generator to the calibration value of the chosen thermostat.

PRODUCT CODE	DESCRIPTION
04746S45	3/4" male union, 6.5Kvs, pre set (opens) 45°C
04746S55	3/4" male union, 6.5Kvs, pre set (opens) 55°C
04746S60	3/4" male union, 6.5Kvs, pre set (opens) 60°C
04746S72	3/4" male union, 6.5Kvs, pre set (opens) 72°C
04749S45	1" male union, 10Kvs, pre set (opens) 45°C
04749S55	1" male union, 10Kvs, pre set (opens) 55°C
04749S60	1" male union, 10Kvs, pre set (opens) 60°C
04749S72	1" male union, 10Kvs, pre set (opens) 72°C



3 Way Rotary Mixing Valve with 3 point actuation

PRODUCT CODE	CONNECTION	Kvs
031055-4.0	3/4" F	4
031055-6.3	3/4" F	6.3
041055-10	1" F	10
041055-16	1" F	16
051055-16	1-1/4" F	16
061055-25	1-1/2" F	25



3 Way Rotary Mixing Valve with 3 point actuation, with servo motor head actuator

PRODUCT CODE	CONNECTION	Kvs
031055-10-NR	3/4" F complete with 3 position servo motor	10
041055-16-NR	1" F complete with 3 position servo motor	16
051055-16-NR	1-1/4" F complete with 3 position servo motor	16
061055-25-NR	1-1/2" F complete with 3 position servo motor	25



4 Way Rotary Mixing Valve with 3 point actuation

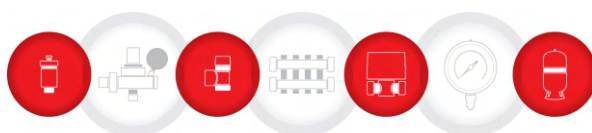
PRODUCT CODE	DESCRIPTION	Kvs
031065-6.3	3/4" M	6.3
041065-10	1"	10
051065-16	1-1/4" M	16



Kvs variants available, please contact us for the full list.

CHAPTER 2

PLUMBING & HEATING



Unvented Heater Spares

Thermowatt Official Spares

PRODUCT CODE	DESCRIPTION
RTIH34016	14", 1-3/4" boss, Incalloy element, 3kw, 240V with RTS thermostat Thermowatt code: 340160900000
TI1-14/RTS	14", 1-3/4" boss, Titanium element, 3kw, 240V with RTS thermostat Thermowatt code: 3402370
RTIHTMEC	1-3/4", 3kw, 14" Incalloy element + TMEC-2 thermostat Thermowatt code: 3402106



NEW Wi-Fi Thermowatt Heating Element and Retrofit thermostat

4294004	WiFi enabled 1-3/4", 3kw, 14" Incalloy element + TMEC-2 thermostat. Operate from your device using the MyThermowatt app
4303001	WiFi enabled 'retro Fit' replacement TMEC-2 smart for use in suitable Thermowatt heating element Operate from your device using the MyThermowatt app



RTIHTI6KW	1-3/4", 6kw, 14" Titanium element + TMS thermostat Thermowatt code: 3402121
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IN2-14/RTSA	14", 2 -1/4" boss, incalloy element, 3kw, 240V with RTS thermostat Thermowatt code: 3402215
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RTS181316	RTS-3 Official thermostat for RM cylinders and many others Thermowatt code: 181316
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RTS3412042	Thermowatt—DIMPLEX replacement plug in thermostat Thermowatt code: 3412042
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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, code 91934021 *.
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 for greater accuracy.

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



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**

PLEASE NOTE: All models now supplied complete with fixing bracket



PRODUCT CODE	SERIES	SIZE	CONNECTION	MAX BAR	MAX C	O/D	HEIGHT
0093000005	ER5	5ltr	3/4" M	10bar	99°C	205mm	225mm
0093000008	ER8	8ltr	3/4" M	10bar	99°C	205mm	300mm
0093000012	ER12	12ltr	3/4" M	10bar	99°C	270mm	300mm
0093000018	ER18	18ltr	3/4" M	10bar	99°C	270mm	410mm
0093000024	ER24	24ltr	3/4" M	10bar	99°C	270mm	500mm
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 wall hanging bracket.



80ltr to 500ltr supplied with bottom connection.

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.

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 - Accumulator

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

These tanks are suitable as a mains boost **Accumulator** designed with a replaceable bladder for improved efficiency.

Floor Standing - Bottom Connection - 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 - Bottom Connection - 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 - Bottom Connection - 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 - Bottom Connection - 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
0093800750	750ltr	Blue	2" M	10bar	100°C	800mm	1850mm



Upstream Kits - can be used to facilitate installation when vessels are used as an Accumulator

PRODUCT CODE	DESCRIPTION
UPSTREAM22	22mm upstream kit including, PRV, Gauge, Double CV, Y Strainer, Ball valve
UPSTREAM28	28mm upstream kit including, PRV, Gauge, Double CV, Y Strainer, Ball valve




Expansion Vessels

Potable + Shock Arrestors


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 OR KIWA Approved 2 year warranty**

Shock Arrestor - Self supporting - pre set 3.5bar

PRODUCT CODE	SIZE	COLOUR	CONNECTION	MAX BAR	MAX C	O/D	HEIGHT	
ADVSHOCK01	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	DESCRIPTION	
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	



Shock Arrestor - Self supporting - mechanical spring operation with EPDM sealing gasket

PRODUCT CODE	COLOUR	CONNECTION	NOMINAL BAR	MAX C	HEIGHT	
ADVSHOCK02	Silver	1/2" M	10bar	90°C	80mm	


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 & 8lt - 3.5bar

PRODUCT CODE	SIZE	COLOUR	CONNECTION	MAX BAR	MAX C	O/D	HEIGHT	
0093800005	5ltr	Silver	3/4" M	10bar	100°C	170mm	275mm	
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	

PLEASE NOTE: All models now supplied complete with fixing bracket



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.

Bottom connection

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

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.



These tanks are suitable as a mains boost **Accumulator** designed with a replaceable bladder for improved efficiency.

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
Q120016	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



Replacement Bladders for all ELBI and CIMM expansion vessels available from Advantay.

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

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



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

PLEASE NOTE: These tanks are available on special order

Expansion Vessels

Slim Line

The 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 Vessel Accessories

PRODUCT CODE

DESCRIPTION

0053900030

3/4" F bar expansion vessel installation kit
Please note, gauge orientation may differ from shown



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

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 separately



PRODUCT CODE

DESCRIPTION

0099000004

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



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



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.

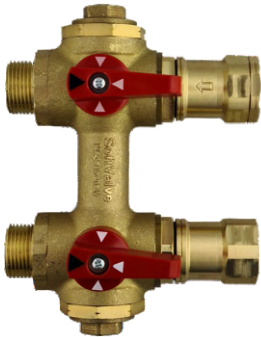
Two sealing caps with O-Ring seals are also provided to cap off any unwanted ports.

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

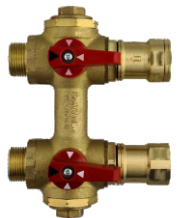
- Reduced installation time
- Reduced number of connections over conventual methods
- Reduced risk of leaks
- Solid brass construction
- Boxed with full user instructions
- 3/4" Male connections to water softener
- 3/4" Female connections to existing pipework
- Made in Italy



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

Flushing Bypass Valve

Flushing Bypass Valves

Features:

Flushing Bypass Valve with 3/4" M / F BSP full bore flow and return connections,
3 Way ball valve with positive off position.

Features a full bypass mode for isolating and servicing.

Suitable for HIU flushing bypass operation and fan coil assemblies.

Single monobloc design eliminates leak risk.

Made in Italy.

PRODUCT CODE	DESCRIPTION
0570105034	40mm (centres) flushing bypass, 3/4" M/F
0572505034	80mm (centres) flushing bypass, 3/4" M/F
0572605034	80mm (centres) flushing bypass, 3/4" M x 3/4" Loose Nut



Flushing Bypass - Modular Accessories

PRODUCT CODE	DESCRIPTION
0568102034	Test Point Adapter, 3/4" M x 3/4" loose nut + 1/4" test point connections
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
0572000038	3/8" BSP Male, compact drain drain valve, Pn16
0903200000	3/4" Loose nut F x 3/4" M, Strainer/ Filter with 1/4" test point connection



Thermostatic Mixing Valves

Thermostatic Mixing Valves

Designed primarily for domestic single outlet use and featuring failsafe operation the Advantay range of thermostatic mixing valves are covered by the TMV2 and TMV3 scheme and are WRAS approved, making them suitable for all domestic use and within Care Homes and Hospitals.

Technical Specifications:

Temperature Setting Range:	
Accuracy:	
Max. Working Pressure (Static):	38°c to 46°c
Max. Working Pressure (Dynamic):	±2°c
Max. Inlet Temperature:	10bar
Max. Inlet Pressure Ratio (H/C or C/H)	5bar
Minimum Temperature difference	100°c
Between The Inlet Hot Water and the	2:1
Outlet Mixed Water To Ensure Anti-Scald	
Performance:	
Minimum Flow Rate for Stable Operation	10°c
	3.7l/min

Features:

- Mesh strainers fitted to the hot and cold inlets
- Non return valves fitted to the hot & cold inlets
- TMV2
- TMV3
- WRAS approved



PRODUCT CODE	DESCRIPTION
ADVMV00015	15mm compression Thermostatic Mixing Valve



PRODUCT CODE	DESCRIPTION
ADVMV00022	22mm compression Thermostatic Mixing 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
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ADVRV01515	15mm compact pressure reducing valve + gauge. Display box with instruction. *Static Kiwa KUKreg4 approved.
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ADVRV01522	22mm / 15mm compact pressure reducing valve + gauge. supplied with 15mm / 22mm reducing fittings. Display box with instructions. *Static Kiwa KUKreg4 approved.
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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

PRODUCT CODE	DESCRIPTION
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0901510012	1/2" F/F
0901510034	3/4" F/F
0901510100	1" F/F
0901510114	1-1/4" F/F
0901510112	1-1/2" F/F
0901510200	2" F/F
0901510212	2-1/2" F/F
0901510300	3" F/F
0901510400	4" F/F



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

PRODUCT CODE	DESCRIPTION
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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
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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 for long life with a max pressure of 10bar and max temperature 110°C.

PRODUCT CODE	DESCRIPTION
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AAV00015	15mm Compression Auto Air Vent, Slim Line, Display box
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AAV00012	1/2" BSP M Auto Air Vent with check valve, Slim line, Display box
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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, boxed.
ADVBPVS022	22mm TRADE bypass valve, nickel plated. Straight, boxed.



PRODUCT CODE	DESCRIPTION
ADV5510022	22mm Auto Bypass Valve, full bore. Angled. Display box. ASHP compatible.



PRODUCT CODE	DESCRIPTION
ADV5520022	22mm Auto Bypass Valve, full bore. Straight. Display box. ASHP compatible.



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



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

Galvanized steel standard terminal guard

PRODUCT CODE	DESCRIPTION
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ADTG00030	Round 7" x 4" (177mm x 100mm) galvanized steel
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PRODUCT CODE	DESCRIPTION
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ADTG00040	Round 10" x 4.5" (254mm x 114mm) galvanized steel
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PRODUCT CODE	DESCRIPTION
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ADTG00050	Round 11" x 6.5" (280mm x 165mm) galvanized steel
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PRODUCT CODE	DESCRIPTION
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ADTG00060	Square 11" x 11" x 6" (280mm x 280mm x 152mm) galvanized steel
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PRODUCT CODE	DESCRIPTION
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ADTG00070	Square 14" x 14" x 8" (355mm x 355mm x 203mm) galvanized steel
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PRODUCT CODE	DESCRIPTION
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ADTG00080	Square 18" x 18" x 8" (457mm x 457mm x 203mm) galvanized steel
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PRODUCT CODE	DESCRIPTION
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ADTG00090	Square 11" x 11" x 10.5" (280mm x 280mm x 266mm) galvanized steel
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Flue / Terminal Guards

Plastic coated suitable for all condensing boiler applications

PRODUCT CODE	DESCRIPTION
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ADTG00005	Safety outlet discharge terminal guard, brown plastic coated 8.2" x 4.5" x 3.5" (210mm x 115mm x 90mm)
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PRODUCT CODE	DESCRIPTION
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ADTG00020	Round 11" x 9" (280mm x 230mm) brown plastic coated
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PRODUCT CODE	DESCRIPTION
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ADTG00100	Round 11" x 6.5" (280mm x 165mm) brown plastic coated
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PRODUCT CODE	DESCRIPTION
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ADTG00500	Round 11" x 9" (280mm x 230mm) with plume cut out
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All Stainless Steel range suitable for specific boiler applications

PRODUCT CODE	DESCRIPTION
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ADTGB0010	60/100, SS, Round, 8" O/D x 7.5" deep (203mm x 190mm) Manufactured to BAXI specifications
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PRODUCT CODE	DESCRIPTION
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ADTGB0020	60/100, SS, Plume Kit, 8" O/D x 7.5" deep (203mm x 190mm) Manufactured to BAXI specifications
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PRODUCT CODE	DESCRIPTION
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ADTGW0010	Square, SS, 10.5" x 10.5" x 8" deep (266mm x 266mm x 203mm) Manufactured to Worcester specifications
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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



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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Oil Burner Pressure Test Gauge

PRODUCT CODE	DESCRIPTION
B122A152J	50mm 1/8" BSP bottom connection, 0 to 300psi/bar glycerine filled
SG000485	63mm 1/8" BSP extended bottom connection, 0 to 300psi/bar glycerine filled



PRODUCT CODE	DESCRIPTION
ADNT010	3/4" boiler condensate neutralizer includes first refill and bracket



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

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

H & V Pressure Gauges

160mm Pressure Gauge, 3/8" BSP Bottom Connection, black steel case with plated bezel, class 1%.

PRODUCT CODE	DESCRIPTION
B601A339L	-1/0bar and -30/0"hg dual scale
B601A340L	0/1bar and 0/15 psi dual scale
B601A342L	0/2bar and 0/30 psi dual scale
B601A344L	0/4bar and 0/60 psi dual scale
B601A346L	0/7bar and 0/100 psi dual scale
B601A348L	0/11bar and 0/160 psi dual scale
B601A350L	0/14bar and 0/200 psi dual scale
B601A352L	0/20bar and 0/300 psi dual scale
B601A354L	0/28bar and 0/400 psi dual scale
B601A356L	0/40bar and 0/600 psi dual scale
B601A362L	0/70bar and 0/1000 psi dual scale



Pressure Gauges

H & V Pressure Gauges - Glycerine Filled - Stainless Steel series

100mm Pressure Gauge, 3/8" BSP Bottom Connection, stainless steel case and bezel, class 1.6%.

PRODUCT CODE	DESCRIPTION	
B422A239L	-30/0 inHg	-1/0 bar
B422A240L	0/15 psi	0/1 bar
B422A242L	0/30 psi	0/2 bar
B422A244L	0/60 psi	0/4 bar
B422A246L	0/100 psi	0/7 bar
B422A248L	0/160 psi	0/11 bar
B422A250L	0/200 psi	0/14 bar
B422A252L	0/300 psi	0/20 bar
B422A254L	0/400 psi	0/28 bar
B422A255L	0/500 psi	0/35 bar
B422A257L	0/600 psi	0/40 bar
B422A262L	0/1000 psi	0/70 bar
B422A264L	0/1500 psi	0/100 bar
B422A265L	0/2000 psi	0/140 bar
B422A267L	0/2500 psi	0/175 bar
B422A269L	0/3000 psi	0/200 bar
B422A271L	0/4000 psi	0/280 bar
B422A273L	0/5000 psi	0/350 bar
B422A275L	0/6000 psi	0/400 bar
B422A283L	0/10000 psi	0/700 bar



Pressure Gauges

H & V Pressure Gauges - Glycerine Filled - Stainless Steel series

100mm Pressure Gauge, 3/8" BSP Centre Back Connection, stainless steel case and bezel, class 1.6%.

PRODUCT CODE	DESCRIPTION	
B422E239L	-30/0 inHg	-1/0 bar
B422E240L	0/15 psi	0/1 bar
B422E242L	0/30 psi	0/2 bar
B422E244L	0/60 psi	0/4 bar
B422E246L	0/100 psi	0/7 bar
B422E248L	0/160 psi	0/11 bar
B422E250L	0/200 psi	0/14 bar
B422E252L	0/300 psi	0/20 bar
B422E254L	0/400 psi	0/28 bar
B422E255L	0/500 psi	0/35 bar
B422E257L	0/600 psi	0/40 bar
B422E262L	0/1000 psi	0/70 bar
B422E264L	0/1500 psi	0/100 bar
B422E265L	0/2000 psi	0/140 bar
B422E267L	0/2500 psi	0/175 bar
B422E269L	0/3000 psi	0/200 bar
B422E271L	0/4000 psi	0/280 bar
B422E273L	0/5000 psi	0/350 bar
B422E275L	0/6000 psi	0/400 bar
B422E283L	0/10000 psi	0/700 bar



Pressure Gauges

H & V Pressure Gauges - Stainless Steel series

100mm Pressure Gauge, 3/8" BSP Bottom Connection, stainless steel case and bezel, class 1%.

PRODUCT CODE	DESCRIPTION
B412A339L	-1/0 bar and -30/0 inHg
B412A340L	0/1 bar and 0/15 psi
B412A342L	0/2 bar and 0/30 psi
B412A344L	0/4 bar and 0/60 psi
B412A346L	0/7 bar and 0/100 psi
B412A348L	0/11 bar and 0/160 psi
B412A350L	0/14 bar and 0/200 psi
B412A351L	0/16 bar and 0/240 psi
B412A352L	0/20 bar and 0/300 psi
B412A354L	0/28 bar and 0/400 psi
B412A356L	0/40 bar and 0/600 psi
B412A362L	0/70 bar and 0/1000 psi
B412A363L	0/100 bar and 0/1500 psi
B412A366L	0/160 bar and 0/2400 psi
B412A368L	0/200 bar and 0/3000 psi
B412A371L	0/280 bar and 0/4000 psi
B412A374L	0/400 bar and 0/6000 psi
B412A384L	0/700 bar and 0/10000 psi



H & V Pressure Gauges - Stainless Steel series

100mm Pressure Gauge, 3/8" BSP Lower Back Connection, stainless steel case and bezel, class 1%.

PRODUCT CODE	DESCRIPTION
B412J339L	-1/0 bar and -30/0 inHg
B412J340L	0/1 bar and 0/15 psi
B412J342L	0/2 bar and 0/30 psi
B412J344L	0/4 bar and 0/60 psi
B412J346L	0/7 bar and 0/100 psi
B412J348L	0/11 bar and 0/160 psi
B412J350L	0/14 bar and 0/200 psi
B412J351L	0/16 bar and 0/240 psi
B412J352L	0/20 bar and 0/300 psi
B412J354L	0/28 bar and 0/400 psi
B412J356L	0/40 bar and 0/600 psi
B412J362L	0/70 bar and 0/1000 psi
B412J363L	0/100 bar and 0/1500 psi
B412J366L	0/160 bar and 0/2400 psi
B412J368L	0/200 bar and 0/3000 psi
B412J371L	0/280 bar and 0/4000 psi
B412J374L	0/400 bar and 0/6000 psi
B412J384L	0/700 bar and 0/10000 psi



Pressure Gauges

H & V Pressure Gauges - Stainless Steel series

160mm Pressure Gauge, 3/8" BSP Bottom Connection, stainless steel case and bezel, class 1%.

PRODUCT CODE	DESCRIPTION
B612A339L	-1/0 bar and -30/0 inHg
B612A340L	0/1 bar and 0/15 psi
B612A342L	0/2 bar and 0/30 psi
B612A344L	0/4 bar and 0/60 psi
B612A346L	0/7 bar and 0/100 psi
B612A348L	0/11 bar and 0/160 psi
B612A350L	0/14 bar and 0/200 psi
B612A351L	0/16 bar and 0/240 psi
B612A352L	0/20 bar and 0/300 psi
B612A354L	0/28 bar and 0/400 psi
B612A356L	0/40 bar and 0/600 psi
B612A362L	0/70 bar and 0/1000 psi
B612A363L	0/100 bar and 0/1500 psi
B612A366L	0/160 bar and 0/2400 psi
B612A368L	0/200 bar and 0/3000 psi
B612A371L	0/280 bar and 0/4000 psi
B612A374L	0/400 bar and 0/6000 psi
B612A384L	0/700 bar and 0/10000 psi



H & V Pressure Gauges - Stainless Steel series

160mm Pressure Gauge, 3/8" BSP Lower Back Connection, stainless steel case and bezel, class 1%.

PRODUCT CODE	DESCRIPTION
B612J339L	-1/0 bar and -30/0 inHg
B612J340L	0/1 bar and 0/15 psi
B612J342L	0/2 bar and 0/30 psi
B612J344L	0/4 bar and 0/60 psi
B612J346L	0/7 bar and 0/100 psi
B612J348L	0/11 bar and 0/160 psi
B612J350L	0/14 bar and 0/200 psi
B612J351L	0/16 bar and 0/240 psi
B612J352L	0/20 bar and 0/300 psi
B612J354L	0/28 bar and 0/400 psi
B612J356L	0/40 bar and 0/600 psi
B612J362L	0/70 bar and 0/1000 psi
B612J363L	0/100 bar and 0/1500 psi
B612J366L	0/160 bar and 0/2400 psi
B612J368L	0/200 bar and 0/3000 psi
B612J371L	0/280 bar and 0/4000 psi
B612J374L	0/400 bar and 0/6000 psi
B612J384L	0/700 bar and 0/10000 psi



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
SG000485	63mm 1/8" BSP extended bottom connection, 0 to 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
ACC01589	1/4" BSP, U syphon, M/M, Brass
ACC01590	3/8" BSP, U syphon, M/M, Brass
ACC01591	1/2" 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
ACC02089	1/4" BSP, Ring syphon, M/M, Brass
ACC02090	3/8" BSP, Ring syphon, M/M, Brass
ACC02091	1/2" 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



Pressure Gauge Calibration

CALIBRATION & CERTIFICATION

Using an extensive range of calibration equipment including Primary Reference Deadweight Testers, Druck Electronic Testers, Master Test Gauges and other calibrated equipment. All testing is done in a temperature controlled dedicated calibration room.

We offer one of the quickest testing and calibration turn round times for new gauges or customer supplied gauges. In some instances, depending on workload this can be same day. If turn round time is critical please contact us in advance to check.

Each gauge certified will physically be tested and issued with a unique serial number (unless gauge already has a serial number) and be permanently identified by normally engraving the back of the case or sometimes printing on the dial. A sealed Tested & Calibrated label is put on the gauge showing serial number, date calibrated and re - calibration due date (normally 12 months unless requested otherwise). A vinyl cap is fitted to protect the connection thread and prevent any test fluid leakage from contaminating packaging.

All certificates are traceable to National and International Standards or UKAS traceable is available in house at extra cost. For full UKAS certification please phone for price.

Pressure/Vacuum Calibration & Certification

PRODUCT CODE

Standard Test Certificate

Vacuum or pressure up to 14,500 psi and accuracy $\pm 1\%$ FSD ¹

Gauge is physically tested to ensure it is within accuracy and a test certificate issued.

Standard Point To Point Calibration Certificate

Vacuum or pressure up to 14,500 psi and $\pm 1\%$ FSD ¹

As above but test results at a minimum 5 points plotted on the calibration certificate.

Extra charges in addition to either a Standard Test or Standard Point To Point Calibration Certificate

Compound Range Testing (vacuum & pressure on same gauge)

More expensive as gauge has to be checked on vacuum and then pressure equipment.

High Pressure Testing (between 14,501 - 40,000 psi) ²

High Pressure Testing (between 40,001 - 60,000 psi) ²

Oil Free Testing

Higher Accuracy Testing (to $\pm 0.50\%$)

Higher Accuracy Testing (to $\pm 0.25\%$)

UKAS Traceable Certificate ²

Full UKAS Certificate ²

¹ Traceable to National & International Standards

² Only available with Point To Point Calibration Certificate

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
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



Pockets in Stainless Steel with 1/2" BSP male thread, 9mm O/D x 7mm I/D.

PRODUCT CODE	DESCRIPTION
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ACC11200	1/2" BSP pocket, 304 Stainless Steel, 50mm x 7mm I/D
ACC11201	1/2" BSP pocket, 304 Stainless Steel, 100mm x 7mm I/D
ACC11100	1/2" BSP pocket, 316 Stainless Steel, 50mm x 7mm I/D
ACC11101	1/2" BSP pocket, 316 Stainless Steel, 100mm x 7mm I/D



Pockets in Stainless Steel with 3/8" BSP male thread, 9mm O/D x 7mm I/D.

PRODUCT CODE	DESCRIPTION
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ACC11115	3/8" BSP pocket, 316 Stainless Steel, 50mm x 7mm I/D
ACC11116	3/8" BSP pocket, 316 Stainless Steel, 100mm x 7mm I/D



PRODUCT CODE	DESCRIPTION
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91887131	Sensor spring clip
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Test Plugs

Binder Test Plugs & Probes

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



Test Probes

PRODUCT CODE	DESCRIPTION
TPP-0002	Brass test probe 38mm L x 2.0mm probe O/D with cover
TPP-0003	Brass probe mechanical seal type
TPP-0005	Brass test probe 99mm L x 3.3mm probe O/D with cover
TPP-0006	Brass test probe 38mm L x 2.8mm probe O/D with cover



Filling Loops & Flexible Hoses

Tap Accessories

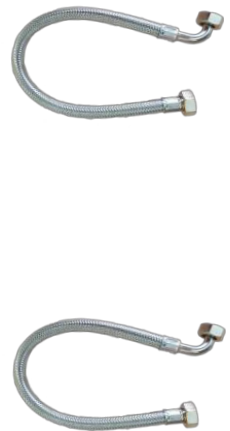
PRODUCT CODE	DESCRIPTION
0090200500	Double check valve, 300mm hose and single ball valve
0090200500PC	Part L compliant, double check valve with ball valve, 300mm hose, single ball valve, including end caps
ADFLCAP	1/2" end cap with captive rubber washer and rubber strap



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



Limescale Prevention

MiniDUE is a patented self priming Antiscale dosing pump designed to protect your boiler or whole house from the damaging effects of limescale. Guaranteed limescale prevention and 100% safe drinking water.

MiniDUE uses vacuum packed easy fit, disposable refills for fuss free exchange. No need to isolate the water supply.

Additional benefits of AcquaSIL 2/15® is the ability to slowly dissolve old limescale deposits restoring encrusted surfaces.

As MiniDUE uses a 100% food safe liquid we guarantee that MiniDUE will not cause sludge build-up or deposits which can reduce system efficiency.

KEY FEATURES

- Compact dimensions
- Suitable for wall hung / recessed boilers
- Very flexible installation
- Disposable refill bag in two sizes available (250 gram or 1000 gram.)
- Remote installation: refill bags can be installed remotely (a world first!)
- Extended lifetime warranty available
- Ultra precise proportional dosage (2 ppm/lt)
- User friendly
- Highest quality of polyphosphate
- No power required
- Made in Italy
- WRAS Approved *

PRODUCT CODE DESCRIPTION

ADVPM103 1/2" BSP F/F brass, starter pack includes 250gram refill pouch, 20ltr p/min



ADVPM011 3/4" BSP M/M, starter pack includes 250gram refill pouch, 30ltr p/min



ADVPC100 250gram refill pouch supplied in pack of 4 (1000gram total)



ADVPC104 1000gram refill pouch, single

ADVPM014 BraveDOS electric, powered dosing pump, 1" M, peak flow rate of 75ltr p/min ideal for large house or commercial use



ADVPC002 1kg AcquaSIL 20/40 liquid exclusively for the BravaDOS unit



Water Filtration

Potable water filtration suitable for single application filtration or whole house. Select the size of the water filter housing depending on expected usage then choose one of the two filter cartridges depending on the filtration requirement.

Filter Cartridge Option 1: Potable water polypropylene wound fibres to provide filtration between 5 / 20 or 50 micron and is used for mechanical filtration of fine particles and sediment
Available for all filter housing sizes

Filter Cartridge Option 2: Carbon block filter which provides a very high degree of filtration down to 5 micron and is particularly suitable for removal of odours and chlorine and unpleasant taste from the water supply. the carbon block filters can also remove Spavin and Cryptosporidium spores
Available for 7" and 10" only

PRODUCT CODE	DESCRIPTION	SIZE
0906937034	3/4" Double filter housing	7"
0906931034	3/4" Double filter housing	10"
0906931100	1" Double filter housing	10"
0907031034	3/4" Triple filter housing	10"
0907031100	1" Triple filter housing	10"
0907135012	1/2" filter housing Compact	5"
0907235012	1/2" Filter housing	5"
0907235034	3/4" Filter housing	5"
0907237034	3/4" Filter housing	7"
0907231034	3/4" Filter housing	10"
0907231100	1" Filter housing	10"



PRODUCT CODE	DESCRIPTION	SIZE	MICRON
0907330505	Polypropylene filter cartridge	5"	5 Micron
0907330507	Polypropylene filter cartridge	7"	5 Micron
0907330510	Polypropylene filter cartridge	10"	5 Micron
0907330005	Polypropylene filter cartridge	5"	20 Micron
0907330007	Polypropylene filter cartridge	7"	20 Micron
0907330010	Polypropylene filter cartridge	10"	20 Micron
0907335005	Polypropylene filter cartridge	5"	50 Micron
0907335007	Polypropylene filter cartridge	7"	50 Micron
0907335010	Polypropylene filter cartridge	10"	50 Micron
0907530007	Carbon Block Filter cartridge	7"	5 Micron
0907530010	Carbon Block Filter cartridge	10"	5 Micron



PRODUCT CODE	DESCRIPTION
0907730005	Filter housing opening tool for 5" Compact
0907730010	Filter housing opening tool for 5", 7" and 10"
0907830000	Wall hanging bracket - including fixing screws



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

Ball Valves

Perfect Pump Valves - The Original

PRODUCT CODE	SIZE	DESCRIPTION
ADVPPV22	22mm	Pump Valves T handle
ADVPPV28	28mm	Pump Valves T handle
ADVPPV35	35mm	Pump Valves Lever Handle



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



PRODUCT CODE	DESCRIPTION
ADVWPT350	350mm wall plate tube
ADVWPT600	600mm wall plate tube

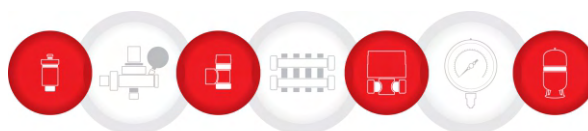


ADVWPTB01	Wall plate tube bracket
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CHAPTER 3

PLASTIC TANKS



Plastic Tanks

Available to order

Polyethylene plastic tanks for potable water applications. For use above ground, WRAS approved for cold water up to 23°C.

PRODUCT CODE	LTR	DIAMETER	HEIGHT	CONNECTION	INSPECTION LID
CV 300	300	630	1170	1"	300
CV 500	500	700	1460	1"	300
CV 750	750	800	1680	1-1/4"	300
CV 1000	1000	800	2180	1-1/4"	300
CV 1500	1500	1060	1920	1-1/2"	300
CV 2000	2000	1200	2015	1-1/2"	400
CV 3000	3000	1470	2050	1-1/2"	400
CV 5000	5000	1790	2210	2"	400
CV 10000	10000	2300	2650	-	600
CV 13000	13000	2300	3400	-	600



Polyethylene plastic tanks for potable water applications. For use above ground, WRAS approved for cold water up to 23°C.

PRODUCT CODE	LTR	DIAMETER	HEIGHT	LENGTH	CONNECTION	INSPECTION LID
CHO 300	300	625	705	1100	1"	200
CHO 500	500	720	800	1500	1"	300
CHO 750	750	820	900	1580	1-1/4"	300
CHO 1000	1000	915	995	1720	1-1/4"	300
CHO 1500	1500	1155	1255	1630	1-1/2"	400
CHO 2000	2000	1300	1400	1700	1-1/2"	400
CHO 3000	3000	1450	1550	2000	1-1/2"	400
CHO 5000	5000	1740	1840	2310	2"	400



Plastic Tanks

Available to order

Polyethylene plastic tanks for potable water applications. For use above ground, WRAS approved for cold water up to 23°C.

PRODUCT CODE	LTR	DIAMETER	HEIGHT	LENGTH	CONNECTION	INSPECTION LID
CHL 300	300	750	775	790	1"	200
CHL 500	500	850	900	980	1"	300
CHL 750	750	1000	1050	1080	1-1/4"	300
CHL 1000	1000	1100	1155	1150	1-1/4"	400
CHL 1500	1500	1250	1305	1350	1-1/2"	400
CHL 2000	2000	1400	1455	1430	1-1/2"	400
CHL 3000	3000	1550	1605	1750	1-1/2"	400
CHL 5000	5000	1820	1875	2080	2"	400



Polyethylene plastic tanks for potable water applications. For use above ground, WRAS approved for cold water up to 23°C.

PRODUCT CODE	LTR	HEIGHT	WIDTH x DEPTH	CONNECTION	INSPECTION LID
CP 500	500	1060	700 x 840	1"	300
CP 800	800	1320	670 x 1290	1"	300
CP 1000	1000	1420	670 x 1400	1"	300
CP 2000	2000	1875	690 x 1960	1-1/4"	400



Plastic Tanks

Available to order

Polyethylene plastic tanks for potable water applications. For use above ground, WRAS approved for cold water up to 23°C.

PRODUCT CODE	LTR	HEIGHT	WIDTH x DEPTH	CONNECTION	INSPECTION LID
SSC 300	300	680	610 x 1150	1"	300
SSC 500	500	850	700 x 1300	1"	300



Polyethylene plastic tanks for potable water applications. For use above ground, WRAS approved for cold water up to 23°C.

PRODUCT CODE	LTR	HEIGHT	WIDTH x DEPTH	INSPECTION LID
CB 100	100	575	500 x 500	200
CB 200	200	625	600 x 700	200
CB 300	300	655	700 x 800	200
CB 500	500	770	716 x 1066	300
CBA 500	500	1120	716 x 716	300



Polyethylene plastic tanks for potable water applications. For use above ground, WRAS approved for cold water up to 23°C.

PRODUCT CODE	LTR	HEIGHT	DIAMETER	INSPECTION LID
BC 60	60	650	380	140
BC 100	100	710	460	140
BC 150	150	1025	460	140
BC 200	200	895	575	215
BC 250	250	1090	575	215
BC 300	300	1290	575	215



CHAPTER 4

OEM SPARES



PRODUCT CODE	OEM NAME	OEM CODE	DESCRIPTION
0092300010	Grandee Boilers	GB10002	FLAT RECTANGLE 10 LITRE EXPANSION VESSEL
0058701230	Grandee Boilers	GB10011	1/2" M/15mm OUTLET PRESSURE RELIEF VALVE, 1/4" GAUGE PORT
0050700038	Grandee Boilers		3/8" MALE AUTOMATIC AIR VENT
40055627	Grandee Boilers	GB10012	37MM PRESSURE INDICATOR 0-4 BAR, 1.5m PRESSURE TUBE
0058301230	HRM Boiler Co Ltd	COM301	1/2" BSP, F/F 3 BAR, 1/4" GAUGE PORT
0090591234	HRM Boiler Co Ltd	COM304	1/2" M STRAIGHT 3/4" ELBOW 450MM HOSE
0090200500PC	HRM Boiler Co Ltd	COM309	Part L FILLING LOOP 15MM COMPRESSION & END CAPS



PRODUCT CODE	OEM NAME	OEM CODE	DESCRIPTION
90453215	HRM Boiler Co Ltd	COM305	50mm 1/4" BSPT BOTTOM 0-4 BAR GAUGE
0089100015	HRM Boiler Co Ltd	COM408	15mm Y TYPE STRAINER
0092100007	HRM Boiler Co Ltd	SYS440	7ltr FLAT ROUND EXPANSION VESSEL
0092100010	HRM Boiler Co Ltd	SYS010	10ltr FLAT ROUND EXPANSION VESSEL
0050800012	HRM Boiler Co Ltd	COM317	AUTOMATIC AIR RELEASE VALVE 1/2" BSP WITH CHECK VALVE
40055661	HRM Boiler Co Ltd	ELO46	37MM PRESSURE INDICATOR 0-4 bar, 1.0M PRESSURE TUBE
0050800012	Mistral Boilers		AUTOMATIC AIR RELEASE VALVE 1/2" BSP WITH CHECK VALVE



PRODUCT CODE	OEM NAME	OEM CODE	DESCRIPTION
0059202230	Warmflow	WA2132	PRESSURE RELIEF VALVE 1/2" BSP X 15MM WITH GAUGE PORT
0090200500	Warmflow	WA2133	COMBI FILLING LOOP D/CHECK
3020	Warmflow	WA3020	1/4" x 1/2" ELBOW 1000MM S/S BRA 1/4" x 1/2" ELBOW
0099100004	Warmflow	WA3019	4 WAY MANIFOLD
0089100015	Warmflow	WA041	15MM Y STRAINER
3012	Warmflow	WA3012	WARMFLOW CONDESING UNIT INTERNAL SPRINGS
0157301525	Grant	MPCBS50X	GRANT PRESSURE RELIEF VALVE 2.5 BAR WITHOUT GAUGE PORT



PRODUCT CODE	OEM NAME	OEM CODE	DESCRIPTION
0092000010	Mistral Boilers	CY1541029	10ltr FLAT ROUND EXPANSION VESSEL
0092100012	Mistral Boilers	CC1568006	12ltr FLAT ROUND EXPANSION VESSEL
0059202230	Mistral Boilers	CC1568008	1/2" BSP x 15MM PRESSURE RELIEF VALVE, 3 BAR, 1/4" GAUGE PORT
0090571234	Mistral Boilers		1/2" M STRAIGHT 3/4" F ELBOW 800MM
40100460	Mistral Boilers		52mm PRESSURE INDICATOR, 0-4 BAR, 1.0M PRESSURE TUBE
SG000256	Warmflow	WA3019	0-6 PRESSURE GAUGE - BOTTOM CONNECTION
ADCDGAS01	Warmflow	WA3009	PRIMARY DOOR GASKET



PRODUCT CODE	OEM NAME	OEM CODE	DESCRIPTION
0158701525	Grant	MPCBS50	GRANT PRESSURE RELIEF VALVE 2.5 BAR WITH GAUGE PORT
0158701530	Grant	MPCBS124	GRANT PRESSURE RELIEF VALVE 3 BAR WITHOUT GAUGE PORT
0157301530	Grant	MPCBS123	GRANT PRESSURE RELIEF VALVE 3 BAR WITH GAUGE PORT
70021025	Powrmatic	143000534	ROOM STAT AT 5-30°C
70021026	Powrmatic	143000513	FROST STAT -10 +20
0024030020	Powrmatic	143000816	JOX RELAY 105F HF105F/4
GTLHR313	Powrmatic	142403611	MANUAL RESET LIMIT THERMOSTAT






PRODUCT CODE	OEM NAME	OEM CODE	DESCRIPTION
0222510022	GAH	021-16935	22MM BALL VALVE, RED LEVER
0222510028	GAH	021-18047	28MM BALL VALVE, RED LEVER
ADVRV01522	GAH	010-22613	REDUCING VALVE
90459215	GAH		50MM BACK CONNECTION 1/4" BSPT 0-4 BAR
0059202230	GAH		PRESSURE RELIEF VALVE 3 BAR 1/2" BSP X 15MM + GAUGE PORT
0093000008	GAH	230-22281	8LTR HEATING VESSEL
0099000524	GAH		5-24LTR VESSEL BRACKET



PRODUCT CODE	OEM NAME	OEM CODE	DESCRIPTION
0092000010	GAH	230-16525	10LTR FLAT ROUND EXPANSION VESSEL
RTIH34016	Kingspan Tribune HE	3401609000000	14", 1-3/4" boss, incolloy element, 3kw, 240V with RTS thermostat
RTIH34016	RM Cylinders Prostel	3401609000000	14", 1-3/4" boss, incolloy element, 3kw, 240V with RTS thermostat
RTIH34016	RM Cylinders Sterflow	3401609000000	14", 1-3/4" boss, incolloy element, 3kw, 240V with RTS thermostat
RTIH34016	RM Cylinders Slineline	3401609000000	14", 1-3/4" boss, incolloy element, 3kw, 240V with RTS thermostat
RTIH34016	ThermaQ Evocyl	3401609000000	14", 1-3/4" boss, incolloy element, 3kw, 240V with RTS thermostat
RTIH34016	Telford Tempest	3401609000000	14", 1-3/4" boss, incolloy element, 3kw, 240V with RTS thermostat






	RTIH34016	Joule Cyclone	3401609000000	14" , 1-3/4" boss, incolloy element, 3kw, 240V with RTS thermostat
	RTIH34016	Warmflow Unvented	3401609000000	14" , 1-3/4" boss, incolloy element, 3kw, 240V with RTS thermostat
	TI1-14/RTS	Thermowatt	3401664	14" , 1-3/4" boss, Titanium element, 3kw, 240V with RTS thermostat

PRODUCT CODE	OEM NAME	OEM CODE	DESCRIPTION
0059030030	Ariston	61301927	Chaffoteaux 3bar relief valve insert
0059112070	Ariston	60000437	Ariston 7bar relief valve push fit
0059202230	Ariston	569292	Ariston 3bar relief valve for Gunus 27 BFFI, Genus 27 BFFI Plus, SX 20 20 M, SX 20 MFF, SX 20 MFFI CE
0059902030	Ariston	61312668	Ariston 3bar relief valve, push fit, brass
0059912070	Ariston	60000171	Ariston 7bar relief valve push fit, brass
0159501030	Ariston	65103222	Ariston 3bar relief valve for Ariston ACO 27 RFFI System, Ariston ACO 32 MFFI, Ariston ECOCOMBI 27 MFFI, Ariston INTESA TP 30 MFFI, Ariston ACO 27 MFFI, Ariston INTESA TP 23 MFFI,
0562611215	Ariston	60000896	Ariston Cold Water Tap 60000896



PRODUCT CODE	OEM NAME	OEM CODE	DESCRIPTION
BBSC0131	Heatrae Sadia	BBSC0131	Official Heatrae Sadia dual capillary thermostat for Megaflo
0034700014	Ariston	573727	Ariston Manual Drain Valve, 1/4" BSP
0036800000	Ariston	61314798	Ariston tap head
0050100001	Ariston	995865	Ariston Auto Air Vent with O-ring seal for Intesa, Tristar, Aco, Uno and ecoCombi boilers
0058401270	Ariston	998447	Ariston 7 bar relief valve with gauge port
0058801230	Ariston	573172	Ariston 3bar relief valve for Aco 35 Microgenus 23 MFfi , Microgenus 27 MFfi
0058902230	Ariston	61020933	Ariston push fit 3bar relief valve

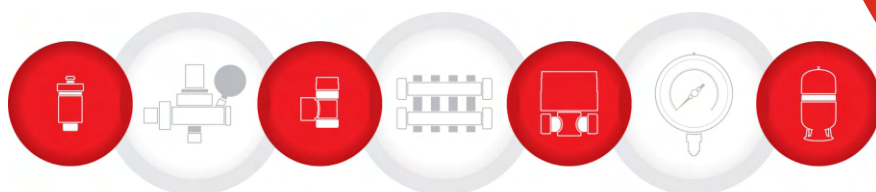


PRODUCT CODE	OEM NAME	OEM CODE	DESCRIPTION
	Ferroli	39811540	Ferroli 823 Tap Kit
	Baxi	710109400	BAXI 1/2 3bar Safety Valve with o-ring push fit connection. Baxi Luna
	Baxi	710071200	BAXI 1/2 3bar Safety valve o-ring push fit connection x 15mm I/D. Baxi Nuvola 3, Luna Platinum CSI 33, Fourtech 24F
	Baxi	9951170	BAXI 1/2" 3bar Safety valve, o-ring push fit x 1/2" outlet
	Baxi	720627901	Baxi flue multfit guard, 60/100, stainless steel, 720627901
	Baxi	720644301	Baxi plume kit flue guard, stainless steel, 720644301
	Worcester	7716190050	Worcester flue terminal guard, stainless steel, 7716190050

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.

E&OE



advantay

www.advantay.co.uk

Advantay Ltd
Vantage House
Woodhall Business Park
Sudbury
Suffolk
CO10 1WH

T: 01787 314070

E: info@advantay.co.uk

W: www.advantay.co.uk