Multi Occupancy
Solutions

altecnic.co.uk

altecnic

CALEFFI group

Manufacturing is in our DNA....

Proud of our manufacturing heritage, we value our reputation and the trust of our customers. We understand that the quality of our products underpins both our own and our customers' success. For you, our customer, this means that when you sell, specify or install our products, your reputation is in safe hands.

altecnic
CALEFFI group

Hydronic solutions for the plumbing and heating industry

About us

From our 7500 m³ HQ in Stafford, Altecnic has supported the UK & Republic of Ireland plumbing industry for over 30 years. We understand that today's plumbing and heating components have to do much more than simply transport gas and water, and Altecnic's range meets every requirement for every application, from UK & EU legislation to global environmental standards.

Trade

Altecnic have supported Trade Merchants and their customers for over 30 years and we're proud to be their partner of choice.

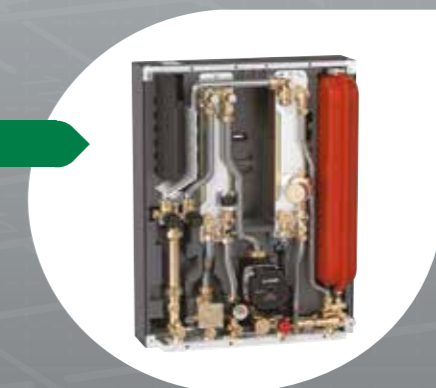Visit **altecnic.co.uk/trade** to find out more.

OEM

Altecnic works hard to provide valuable partnerships with our OEM customers. Our dedicated OEM experts support our customers production requirements, through the design of bespoke product and package solutions, which are complemented by our reliable and quality service.

Visit **altecnic.co.uk/oem** to find out more.

Specification

Whether for a plant room, a hospital, or a heat network in a 16 storey apartment block, we provide the optimum hydronic solutions for any construction project.

Visit **altecnic.co.uk/specification** to find out more.

We understand when you need a product, you need a product you can trust and for it to be with you when you need it.

Smart solutions for your multi occupancy projects

Altecnic products are:

- Available to order direct to site
- Available in a range of sizes
- Meet every requirement for every application from UK, EU & UKCA legislation to global environmental standards
- Supported by our technical team who are available to answer any questions or queries by phone or by email
- CPD training packages available
- Available on BIMObject. Find out more here: https://bim.caleffi.com

BIM Ready

Our handy heat network design guide explains how to design and commission heating systems for apartment buildings. Ask your area sales manager for a brochure

CIBSE CP1 (2020) Heat Network Code of Practice is a document outlining the minimum standard for heat networks across the UK Through setting minimum requirements and best practice options, it aims to improve the quality of feasibility studies, design, construction, commissioning, operation and maintenance of heat networks.

Our specification team are CIBSE Heat Network Consultants and are happy to support you with your build.

Contents

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Leading the way in Built Environments

Commercial
From offices to retail and hospitality we provide solutions that perform

Education
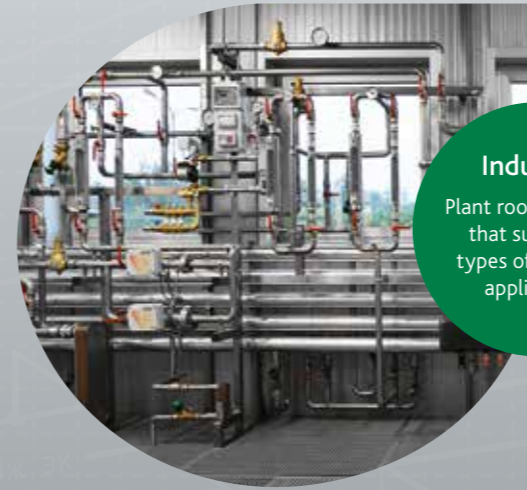Smart solutions to keep even the most vulnerable users safe

Sports and Leisure
Solutions for facilities that need to perform safely and hygienically

Care Home
Superior product solutions where safety, comfort and hygiene are key

New Build
Solutions to keep new build projects cost-effective and energy efficient

Industrial
Plant room solutions that support all types of industrial applications

Hospitals
Safe and efficient solutions for protecting public health

Multi-Occupancy
Heat network solutions for tall buildings, hotels and student accommodation

Offsite
When efficiency matters, we provide a range of flexible solutions for offsite construction

We have a vast range of solutions that work to control the temperature, pressure, and safety of water in heating and cooling systems across the built environment.

Hydronic Solutions For Built Environments

Our rich manufacturing heritage combined with 30 years of working in the UK construction industry means that whatever the sector, we deliver the optimum hydronic system solutions for modern buildings.

Our team sit on the technical advisory committees of all major heating and plumbing related industry bodies that work to provide regulations and legislation that are safe and efficient. This means our team are focused on always delivering products that meet, if not exceed, current regulations.

In fact, we continually invest in our product development ensuring that our products are tested and accredited to the best industry standards. This gives our customers the peace of mind that whenever they specify or fit an Altecnic product, their project is in safe hands.

Sustainability, quality & innovation go hand in hand.

Sustainability, quality & innovation are embedded into the culture at Altecnic. From designing products that last, to the production methods we use, our commitment to recyclable packaging, and in the way we power our vehicles.

Altecnic is an environmentally responsible business, Investors in People accredited and proud to be ISO 45001 certified.

Please note

WRAS Approved Products

Details of the range of products approved can be found in the Water Fittings and Materials online directory:

www.wras.co.uk

NSF Certified Products

Details of NSF certified products to TMV2, TMV3 and DTC can be found online at:

www.nsf.org

KIWA product approval scheme

Details of KIWA approved products can be found online at:

www.kiwa.com/en

UKCA scheme

Details of the UKCA scheme can be found online at:
www.gov.uk/guidance/using-the-ukca-marking

We're reducing our environmental impact through innovative product design & packaging materials

Supporting our customers

Customer Service

Customers across the UK & ROI can rely on our experienced customer service team to be available when and where you need them.

We understand that when you need a product, you need it fast. We're proud to offer Guaranteed Next Day Delivery for a small charge. Altecnic has a £50 minimum order charge with 99.7% of orders delivered to the customer the next day.

Customer Care Line:	+44(0) 1785 218207
Trade Sales:	+44(0) 1785 218222
	tradesales@altecnic.co.uk
OEM Sales:	+44(0) 1785 218208
	oemsales@altecnic.co.uk
Specifications Sales:	+44(0) 1785 218210
	specifications@altecnic.co.uk

Technical Support

The Altecnic technical department are the go-to team for any technical product installation, commissioning or maintenance query you or your customers may have.

Our technical team works hard to provide you with all the answers you need about Altecnic products. From giving you advice on product specifications, problem-solving, to delivering training courses, we are always on hand to help.

Technical Helpline:	+44(0) 1785 218206
Technical Email:	technical@altecnic.co.uk

Sales & Marketing Support

We have regional sales managers out on the road to support each customer across the UK.

We can help to provide support not only on the phone, but also in person, such as, in-branch events like coffee mornings and sales promotions to help your customers find the right Altecnic products.

Our marketing team can provide high-res product images, product information, brochures, leaflets and POS displays.

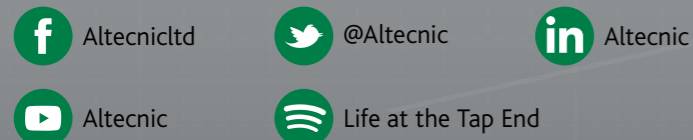|	
Marketing Email:	marketing@altecnic.co.uk

Product Training

Our customers can benefit from the wealth of expertise and experience the Altecnic team has as part of our training academy. Our CIBSE accredited CPDs are delivered by experts including CIBSE accredited heat network consultants. Our product training sessions are delivered by those with practical experience of installing, commissioning, maintaining and testing all manner of hydronic products.

Training Helpline:	+44(0)1785 218206
Training Email:	training@altecnic.co.uk
Website:	altecnic.co.uk/technicalzone

Training courses include:

- Understanding thermostatic mixing valves
- Understanding sealed systems
- Backflow prevention
- Heat networks: overcoming inefficiency and poor performance
- Hydronic balancing
- Understanding heat interface units

Plus, we have a wide range of technical resources, including how to videos, on our website and youtube channel.

CPD
CIBSE APPROVED
UNTIL 2023

Contact Us Today

Find your Area Sales Manager at altecnic.co.uk

ALT-SATK32

SATK32 INDIRECT WITH NETWORK PROTECTION AND INTEGRAL ROOM CONTROLLER

Ref no	Description
ALT-SATK32107	Satk32 indirect 56 plate HIU (86kW DHW)

SPECIFICATION

WRAS APPROVED PRODUCT

BESA tested

- Electronic control
- Up to 86kW DHW output
- Up to 15kW heating output
- Primary return temperature limitation
- Primary flow rate limitation
- User configurable preheat
- Modbus output
- Full clamshell insulation
- 600 kPa differential pressure capability
- Pump anti-clog feature
- Dimensions (H x W x D) 630 x 490 x 245mm*

* Including front cover

Please note: all above items are available with a choice of various specification energy meter.

ALT-SATK32

Ref. no	All Connections	A	B	C (Depth inc. Cover)	kg
ALT-SATK32107	G¾B	630	490	245	35

SATK32 INDIRECT WITH NETWORK PROTECTION AND INTEGRAL ROOM CONTROLLER

Ref no	Description
ALT-SATK32103	Indirect SATK32103 HIU with filling loop pack (50kW DHW)
ALT-SATK32105	Indirect SATK32105 HIU with filling loop pack (75kW DHW)

SPECIFICATION

WRAS APPROVED PRODUCT

BESA tested

- Electronic control
- Up to 50 or 75kW DHW output
- Up to 15kW heating output
- Primary return temperature limitation
- Primary flow rate limitation
- User configurable preheat
- Modbus output
- Full clamshell insulation
- 600 kPa differential pressure capability
- Pump anti-clog feature
- Dimensions (H x W x D) 630 x 490 x 250mm*

* Including front cover

Please note: all above items are available with a choice of various specification energy meter.

ALT-SATK32

Ref. no	All Connections	A	B	C (Depth inc. Cover)	kg
ALT-SATK32103	G¾B	630	490	250	34
ALT-SATK32105	G¾B	630	490	250	35

GURU INTEGRATE SATK32

Ref no	Description
Please contact us for details	Guru Integrate SATK32

SPECIFICATION

- Power Consumption: <2w Average excluding loads on relays
- Power Supply: 230VAC 50Hz
- Indicators: green - POWER, red - FAULT, blue - COMMS ACTIVITY
- Radio: 868 MHz RF
- Inputs / Outputs: M-Bus, Pulse, Modbus
- Relay Rating: 3A (CO), 3A (CO)
- Operating Temp Range: 0 - 40°C
- Storage Temp Range: -5 - 50°C
- Operating RH Range: 5%-90%
- Product Life: 10 Years
- Gateway Option: 10/100 mbps wired LAN, RJ45 connector
- Dimensions (H x W x D) 160 x 160 x 50mm

Faster, more reliable commissioning
Guru Integrate SATK32 allows for the remote configuration of Altecnic's SATK32 Indirect eHIU making it perfect for developers of new-build and retrofit properties who want to significantly improve the efficiency of their commissioning process. Remote commissioning with Guru Integrate SATK32 reduces the amount of time and resource required on site.

Remote reconfiguration in operation
Guru Integrate SATK32 supports remote reconfiguration, reducing the need for engineers to visit sites for remedial work as well as reducing energy usage, environmental impact and operating costs. Remote reconfiguration improves network efficiency by maintaining set points, reducing network drift.

Guru Integrate SATK32 also supports the decarbonisation of networks over time by allowing operators to reduce network temperatures.

Advanced heat network performance management
The Guru Hub III Core captures data every five minutes allowing for advanced network performance management. Data can be analysed using Guru Pinpoint software, where machine learning algorithms help you identify and resolve performance issues, improve the efficiency of your heat network and manage operating costs.

Supports intelligent metering and billing
The pre-installed Guru Hub III Core captures data for metering and billing, making Guru Integrate SATK32 perfect for credit billing, including build to rent developments.

The utility meter data captured by the Guru Hub III Core is then structured and accessed via Guru Platform or via Guru's open API, ready to be used for credit billing.

SATK22 INDIRECT

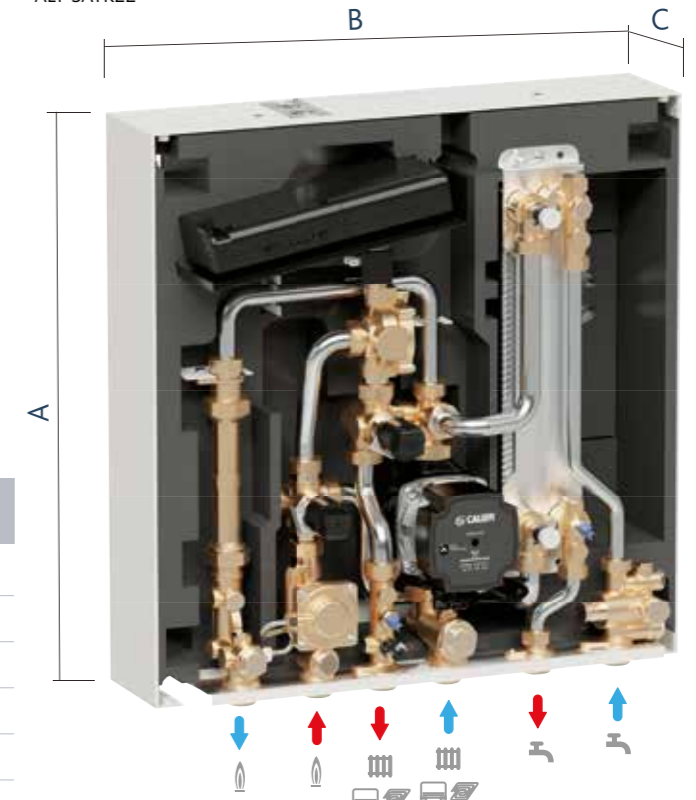| Ref no	Description
ALT-SATK22303	Direct wall mounted HIU High Temp. (50kW DHW)
ALT-SATK22305	Direct wall mounted HIU High Temp. (60kW DHW)
ALT-SATK22307	Direct wall mounted HIU 56 phe

ALT-SATK22

SPECIFICATION

- Heating range
  - LOW temperature setting 25 - 45°C
  - MEDIUM temperature setting 45 - 75°C
  - HIGH temperature setting max. 90°C
- Set point regulation
- DHW production range 42 - 60°C
- Domestic cycle: programmable DHW pre-heating function return temperature controller
- Heating cycle: return temperature control modulating temperature control with compensated set point weather compensated temperature control primary flow rate limitation

ALT-SATK22

Ref. no	All Connections	A	B	C (Depth inc. Cover)
ALT-SATK22103	G¾B	514	490	245
ALT-SATK22105	G¾B	514	490	245
ALT-SATK22203	G¾B	514	490	245
ALT-SATK22205	G¾B	514	490	245
ALT-SATK22303	G¾B	514	490	245
ALT-SATK22305	G¾B	514	490	245
ALT-SATK22403	G¾B	514	490	245
ALT-SATK22405	G¾B	514	490	245

ALT-SATK30103

ALT-SATK30105

202-1004

Double Award Winner

SATK30 INDIRECT

Ref no	Description
ALT-SATK30103HE D	He Indirect 30103 HIU with filling loop & dpcv kit (50kW DHW)
ALT-SATK30105HE D	He Indirect 30105 HIU with filling loop (75kW DHW)

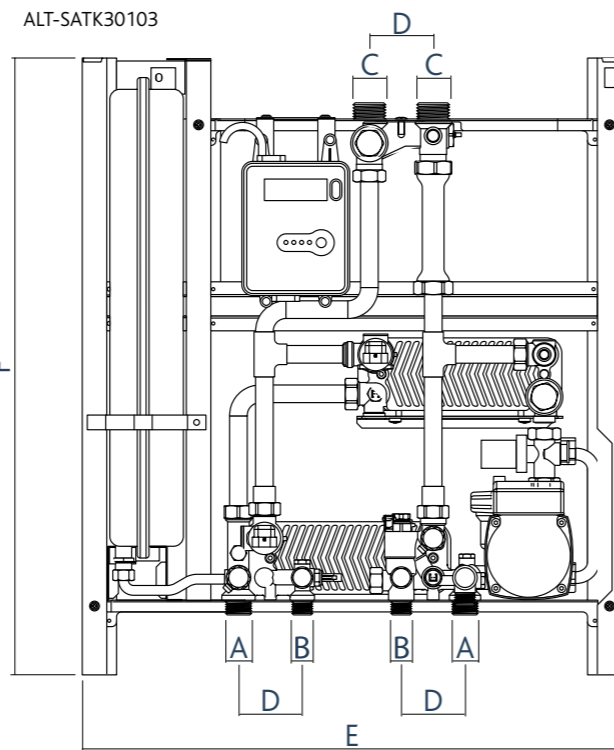**WRAS** APPROVED PRODUCT

BESA tested

SPECIFICATION

- Electronic control
- Up to 50 or 75kW DHW output
- Up to 15 kW heating output
- Radiator or UFH temperatures
- Includes pump bypass in case of complete TRV shutdown
- Optional automatic flow temperature control based on heating return temperatures
- Pump anti-clog feature
- Heating circuit safety pressure sensor
- Lockable, insulated cover
- Digital commissioning
- Intelligent primary bypass
- Stainless steel pipework
- Dimensions (H x W x D) 630 x 550 x 265mm

Please note: all above items are available with a choice of various specification energy meter.

ALT-SATK30103

Connection	A	B	C	D	E	F	Depth inc. Cover	kg
Thread	G¾B	G½B	G1B	65	550	630	265	19

ALT-SATK20303

ALT-SATK20103

202-1003

Double Award Winner

SATK20 DIRECT

Ref no	Description
SATK20103HE	Distribute Heating + Domestic Water (40Kw)
ALT-SATK20303	Direct SATK20303 with DPCV
ALT-SATK20305	Direct SATK20305 with DPCV (75Kw)

WRAS APPROVED PRODUCT
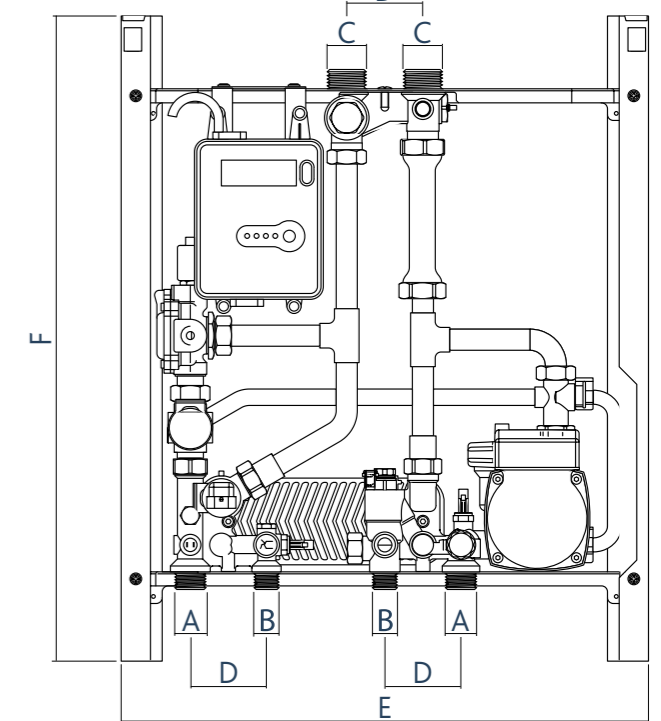
BESA tested

SPECIFICATION

- Electronic control
- Up to 50 kW DHW output
- Up to 15 kW heating output
- Modulating or fixed heating flow temperatures
- Suitable for UFH without additional mixing circuit (SATK20103)
- Low, medium and high temperature models available
- Includes pump bypass in case of complete TRV shutdown
- Optional heating pump
- Lockable, insulated cover with meter window. Metal, powder coated insulated cover also available
- Stainless steel pipework
- Integral heating circuit DPCV
- Dimensions (H x W x D) 550 x 450 x 265mm

Please note: all above items are available with a choice of various specification energy meter.

ALT-SATK20103

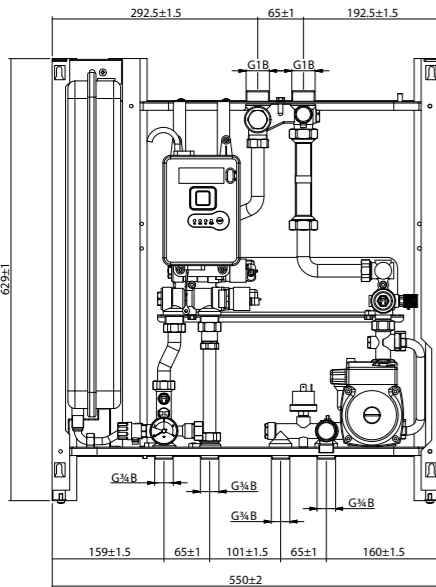| Connection	A	B	C	D	E	F	Depth inc. Cover	kg
Thread	G¾B	G½B	G1B	65	450	550	265	16

SATK40 INDIRECT

Ref no	Description
ALT-SATK40103HE	He SATK40 With Filling Loop Pack

SPECIFICATION

- Electronically controlled heat interface unit
- Indirect heating, up to 15kW
- Suitable for connection to an indirect hot water cylinder
- Up to 50kW DHW capacity (configurable)

BESA tested

Please note: all above items are available with a choice of various specification energy meter.

SATK102

Ref no	Description
ALT-SATK10205HE	DHW Only HIU (80Kw)
SATK10204HE	He Distribution Unit Dom Water (60Kw) Elec
SATK10253	HIU Without Pump
SATK10254	Indirect Wall Mounted HIU (60Kw)

SPECIFICATION

BESA tested

- Wall-mounted
- Electronic control
- Up to 40 / 70 / 80 kW DHW output
- Optional primary support pump
- 2-way primary modulating valve
- Settable DHW temperature
- Includes cover
- Can be grouped for higher DHW outputs, using the cascade controller
- Dimensions (H x W x D) 330 x 420 x 235mm

DIRTMAG MINI™

DIRTMAG MiNi™

DIRTMAG MINI™

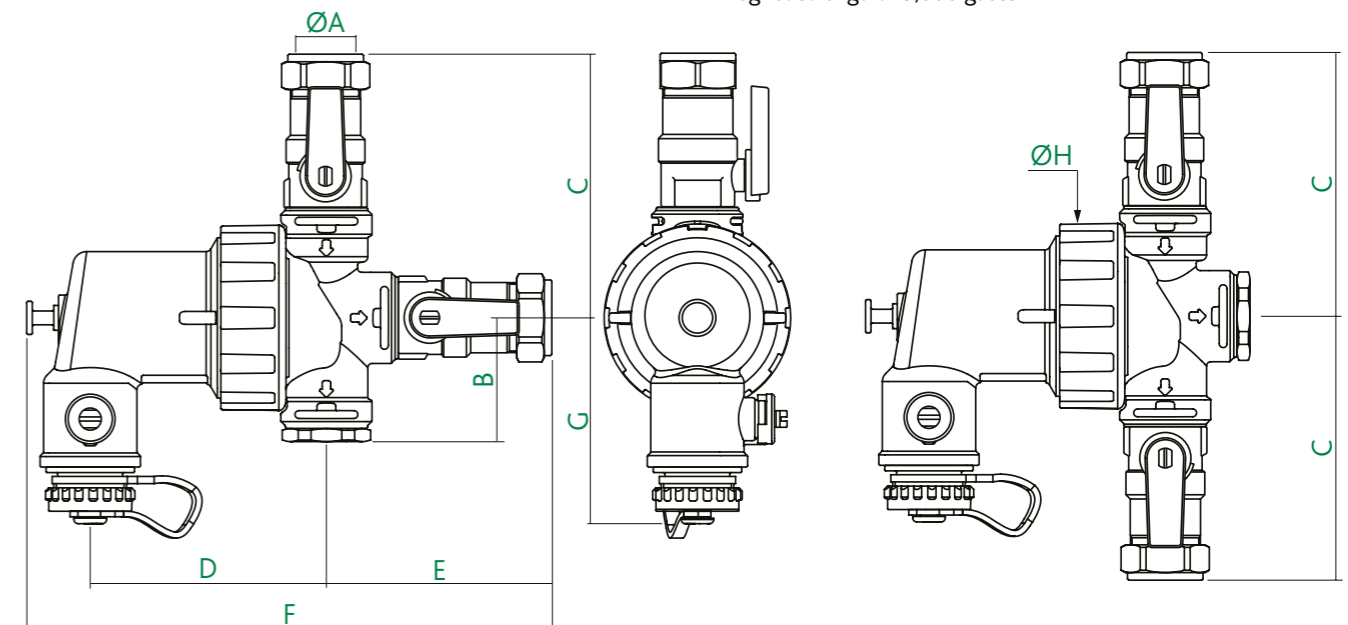| Ref no	Size	Insulation	Connections	Body
114-1020	22mm	No	Compression ends	Polyamide 66

The Dirtmag Mini™ magnetic dirt separator and strainer filters, separates and captures impurities in the system thanks to the combined action of the strainer and dirt separator. Ferrous impurities are also captured inside the body, thanks to the action of a removable, internal magnet.

Opening the dedicated drain point drains the captured impurities. The fluid from the system is slowed down, so that the smaller particles that are not stopped by the filter separate and deposit, and are thereby removed from circulation. The special profile of the bottom allows the impurities to be captured and drained effectively.

The compression connections on the **The Dirtmag Mini™** body are interchangeable and reversible as they have a quick-fit system with fixing clip, making it easy to install the dirt separator by turning it to the horizontal or vertical position. Thanks to the compactness of the body, the filter can be easily installed in narrow spaces under wall-mounted boilers without the need for additional accessories.

SPECIFICATION

- Medium: water glycol solution
- Max percentage of glycol: 30%
- Max working pressure: 3 bar
- Temperature range: 0 - 90°C
- Strainer mesh size: 800µm
- Magnet strength: 13,000 gauss

Ref no	A	B	C	D	E	F	G	H	kg
114-1020	Ø22	45	95.5	85.5	82.5	190.5	74.5	67.5	0.7

DIRTMAG MINI™

DIRTMAG MINI™ COMPLIANCE PACK

Ref no	Size	Connections	Body
114-1050	22mm	Compression ends	Polyamide 66

SPECIFICATION

- Pack contains Dirtmag Mini™ magnetic filter, C3 and C1 Fast Cleaner and Inhibitor

DIRTMAG MINI™ & DISCALSLIM COMBI PACK

Ref no	Size	Connections	Body
114-1100	22mm	Compression ends	Polyamide 66

SPECIFICATION

- Pack contains Dirtmag Mini™ magnetic filter and Discalslim® deaerator

Want to know more?

Scan the QR code with your camera phone to view the

Dirtmag Mini™ Demonstration Video

SCAN ME

THERMOSTATIC RADIATOR VALVES

ECOCAL™ THERMOSTATIC RADIATOR VALVES

CA-200425 LTC

Ref no	Size	Connections	Body	Finish
CA-200428MS	8mm x ½″	Compression x M BSP	Angled	White head
200420 LTC	10mm x ½″	Compression x M BSP	Angled	White head
200425 LTC	15mm x ½″	Compression x M BSP	Angled	White head
CA-200455	15mm x ½″	Compression x M BSP	Angled	Chrome head
CA-201010	10mm x ½″	Compression x M BSP	Straight	White head
200465 LTC	15mm x ½″	Compression x M BSP	Straight	White head
CA-201013	10mm x ½″	Compression x M BSP	Straight	Chrome head
CA-201011	15mm x ½″	Compression x M BSP	Straight	Chrome head

CA-201011

SPECIFICATION

- Temperature setting range: 0°C – 28°C
- Max working pressure: 10 bar
- Frost Setting: 7°C

Best Practice CP1 (2020)

TELL Thermostatic Efficiency Label
Manufacturer Caleffi
Product 200000
Reg.-No. 10652-20180507
Energy
www.tell-online.eu
A label of EUnited Valves
European Valve Manufacturers Association

ECOCAL™ TWIN PACKS

200445 LTC - TWIN PACK

Ref no	Size	Connections	Body	Finish
200440 LTC	10mm x ½″	Compression x M BSP	Angled	White head
200445 LTC	15mm x ½″	Compression x M BSP	Angled	White head
CA-200456	10mm x ½″	Compression x M BSP	Angled	Chrome head
200455 LTC	15mm x ½″	Compression x M BSP	Angled	Chrome head
CA-200478	10mm x ½″	Compression x M BSP	Straight	White head
200475 LTC	15mm x ½″	Compression x M BSP	Straight	White head
CA-200477	10mm x ½″	Compression x M BSP	Straight	Chrome head
200485 LTC	15mm x ½″	Compression x M BSP	Straight	Chrome head

200485 LTC

SPECIFICATION

- Temperature setting range: 7°C – 28°C
- Max working pressure: 10 bar
- Frost Setting: 7°C

Best Practice CP1 (2020)

TELL Thermostatic Efficiency Label
Manufacturer Caleffi
Product 200000
Reg.-No. 10652-20180507
Energy
www.tell-online.eu
A label of EUnited Valves
European Valve Manufacturers Association

421402

COMMERCIAL PRE-SETTABLE THERMOSTATIC RADIATOR VALVES

Ref no	Size	Connections	Body
421402	½″ x ½″	F x M BSP	Angled
422402	½″ x ½″	F x M BSP	Straight

SPECIFICATION

- Temperature setting range: 0°C - 28°C
- Max differential pressure: 1 bar
- Frost setting: 7°C
- Order with CA-200000 Ecocal™ standard head and collar

DYNAMICAL® - PRESETTABLE THERMOSTATIC RADIATOR VALVE - NON-REVERSIBLE

230402

Ref no	Size	Connections	Body	Description
230402	½″	Threaded BSP (G)	Angled	With rubber seal
230500	¾″	Threaded BSP (G)	Angled	With rubber seal
231402	½″	Threaded BSP (G)	Straight	With rubber seal
231500	¾″	Threaded BSP (G)	Straight	Without rubber seal
232412*	½″	Threaded BSP (G)	Angled	With rubber seal - LF*
233412*	½″	Threaded BSP (G)	Straight	With rubber seal - LF*

NEW*

Best Practice CP1 (2020)

231402

SPECIFICATION

- Temperature setting range: 5°C - 95°C
- Max working pressure: 10 bar
- Max percentage of glycol: 30%
- Order with CA-200000 Ecocal™ standard head and collar

*LF model has low flow rates min. setting 10l/h

DYNAMICAL® TWIN PACK - PRESETTABLE THERMOSTATIC RADIATOR VALVE - NON-REVERSIBLE

105-1513

Ref no	Size	Connections	Body	Description
105-1513	½″	Threaded BSP (G)	Angled	With rubber seal
105-2205	¾″	Threaded BSP (G)	Angled	With rubber seal
105-1514	½″	Threaded BSP (G)	Straight	With rubber seal
105-2206	¾″	Threaded BSP (G)	Straight	With rubber seal
105-1532*	½″	Threaded BSP (G)	Angled	With rubber seal - LF*
105-1533*	½″	Threaded BSP (G)	Straight	With rubber seal - LF*
105-1522	15mm	Threaded BSP (G)	Angled	With olive and compression nut for use with R250 copper tube
105-1523	15mm	Threaded BSP (G)	Straight	With olive and compression nut for use with R250 copper tube

NEW*

SPECIFICATION

- Temperature setting range: 5°C - 95°C
- Max working pressure: 10 bar
- Lockshield temperature range: 5°C - 100°C
- Max percentage of glycol: 30%
- Scale of adjustment ΔP   (reg. 1-4) 10 - 150 kPa
                          (reg. 5-6) 15 - 150 kPa

*LF model has low flow rates min. setting 10l/h

Best Practice CP1 (2020)

105-1514

NEW

CALEFFI CODE® REMOTE THERMAL REGULATION SYSTEM FOR RADIATORS

Ref no	Colour	Description
215510	White	Wireless electronic control for thermostatic or convertible radiator valves
215001	White	Wireless ambient temperature sensor
215002	White	Wireless ambient temperature sensor with boiler contact
215100	White	Wireless multi-zone temperature regulation gateway
215015	White	Wireless multi-zone temperature regulation gateway with built-in GSM, UMTS, LTE modem.
215510 BLK	Black	Wireless electronic control for thermostatic or convertible radiator valves
215001 BLK	Black	Wireless ambient temperature sensor
215002 BLK	Black	Wireless ambient temperature sensor with boiler contact
215100 BLK	Black	Wireless multi-zone temperature regulation gateway
215015 BLK	Black	Wireless multi-zone temperature regulation gateway with built-in GSM, UMTS, LTE modem
449300 BLK	Black	Knob for lockshield valve

With Caleffi CODE®, you can individually control the temperature of each room in your home. Manage every room wherever you are, at any time, using your smartphone app. Adjust the temperature to your needs following a few simple steps.

Program your comfort as you wish
You can program every moment of the day for each room. The system helps you by suggesting the best scheduling for you: all you need to do is answer a few simple questions.

Ready for any request
Too hot? Lower the temperature of one or more rooms temporarily without changing the programmed settings. Are you doing the cleaning with open windows? Lower the temperature temporarily: ventilation will be efficient, with no unnecessary costs, allowing you to help the environment and save money. Are you about to receive unexpected guests and want to make sure they are as comfortable as possible? Increase the temperature temporarily without changing your usual programming criteria.
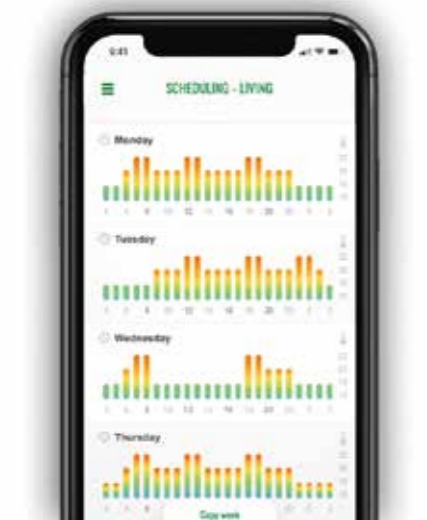
Holiday Mode
Are you about to leave and have forgotten to turn off the heating? Use the app wherever you are. Don't worry, you will find just the right temperature when you get back.

Comfort Control
The COMFORT CONTROL thermostatic head detects the temperature of the room thanks to its integrated sensors and automatically adjusts it according to your preferences. Thanks to the colours of the integrated LED, you can keep the temperature under control at a glance. Try it yourself!

Gateway
GATEWAY is the brain of the entire system. It controls and manages your home heating according to your programming and your needs, communicating with valves and sensors and interacting with the CALEFFI CODE® app.

Sensor
The SENSOR temperature sensor improves temperature detection in the areas where it is installed, ensuring the ideal temperature.

The CALEFFI CODE® smart heating system has been designed for every style. Especially for the one you like.

Download on the App Store

GET IT ON Google Play

Best Practice CP1 (2020)

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534 FLOW LIMITER M X F

534202

Ref no	Size	Flow rate scale	Connections	Colour
534102	½″	2 L/min	M x F BSP	Green
534104	½″	4 L/min	M x F BSP	Grey
534105	½″	5 L/min	M x F BSP	Yellow
534106	½″	6 L/min	M x F BSP	Black
534108	½″	8 L/min	M x F BSP	White
534110	½″	10 L/min	M x F BSP	Light blue
534112	½″	12 L/min	M x F BSP	Red
534116	½″	16 L/min	M x F BSP	Blue
534118	½″	18 L/min	M x F BSP	Purple
534202	½″	2 L/min	F x M BSP	Green
534204	½″	4 L/min	F x M BSP	Grey
534205	½″	5 L/min	F x M BSP	Yellow
534206	½″	6 L/min	F x M BSP	Black
534208	½″	8 L/min	F x M BSP	White
534210	½″	10 L/min	F x M BSP	Light blue
534212	½″	12 L/min	F x M BSP	Red
534216	½″	16 L/min	F x M BSP	Blue
534218	½″	18 L/min	F x M BSP	Purple

SPECIFICATION
- Flow limiter, brass body, chrome plated.
- Max working pressure: 12 bar
- Max working temperature: 80°C
- Accuracy ±10%

Unified Water Label SCHEME

DCV ISOLATION & STRAINER

124-6030CST

Ref no	Size	Connections	Pressure
124-6030 CST	15mm	Compression	10 Bar

The Altecnic 124-6030 CST is a monobloc manifold which contains a spherical ball valve, a 'Y' strainer and two single check valve cartridges all within a DZR alloy body. The ball isolating valve allows the mains water supply to be isolated, eliminating the need for an additional isolating valve.

SPECIFICATION
- Max operating pressure: 10 bar
- Check valve min. operating pressure: 0.2 bar
- Max operating temperature: 85°C

WRAS APPROVED PRODUCT

NEW

BREEAM

The Building Research Establishment set up BREEAM (Building Research Establishment Environmental Assessment Method) as a way to determine the environmental performance of buildings.

BREEAM highlights the use of water in buildings. Points, which count towards the assessment rank, are awarded depending on the level of environmental efficiency achieved. Most building types can be specified and assessed using one of BREEAM's defined categories which include healthcare, industrial, prisons, retail, education, offices as well as domestic housing.
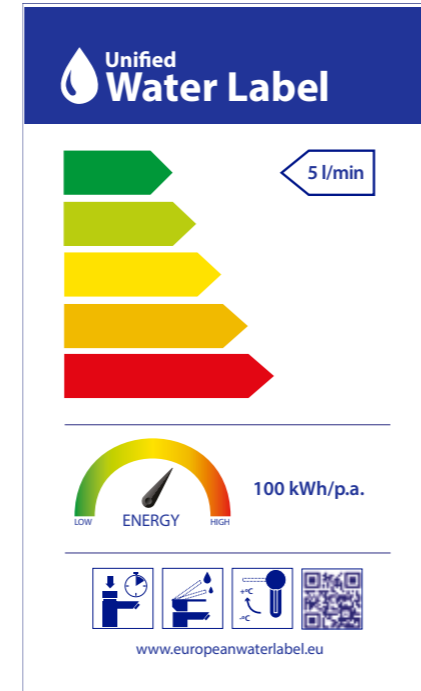
BREEAM's scope does not only cover water saving but energy usage, materials, comfort and the environmental impacts. The advantages of a BREEAM building extend to both designer and end user; the end user receives a building that is economic to run and the designer can clearly demonstrate compliance with environmental requirements. - (www.breeam.org)

The Water Efficient Product Labelling Scheme

The Unified Water Label Scheme is independently supported by the Department for Environment, Food and Rural Affairs (DEFRA). It is a method of reviewing water efficient products driven by a regularly maintained database.

Each product in the central database is tested and colour coded. A simple scale ranging from low to high water use provides an at a glance indication of its water saving performance. (www.water-efficiencylabel.org.uk)

BREEAM®

Unified Water Label

5 l/min

100 kWh/p.a.

LOW ENERGY HIGH

www.europeanwaterlabel.eu

CALFLOW PLUS® 15MM

AI-811215

Ref no	Size	Flow rate scale	Connections	Body
AI-811215*	15mm	-	Compression	Brass
AI-81121504	15mm	4 L/min	Compression	Brass
AI-81121506	15mm	6 L/min	Compression	Brass
AI-81121508	15mm	8 L/min	Compression	Brass
AI-81121510	15mm	10 L/min	Compression	Brass
AI-81121512	15mm	12 L/min	Compression	Brass
AI-81121515	15mm	15 L/min	Compression	Brass
AI-81121518	15mm	18 L/min	Compression	Brass

* body only

SPECIFICATION

- Multi-function flow 15mm & 22mm isolation with interchangeable flow cartridges and strainer
- Optional use as flow regulator, isolation, strainer or combination of 2 or more
- Red and blue handles available on request
- Max working pressure: 2 bar
- Max working temperature: 90°C

WRAS APPROVED PRODUCT

Unified Water Label SCHEME

FLOW REGULATOR CARTRIDGES FOR USE WITH CALFLOW PLUS®

Ref no	Size	Flow rate scale	Colour
AI-REG04	Calflow plus® only	4 L/min	Grey
AI-REG06	Calflow plus® only	6 L/min	Black
AI-REG08	Calflow plus® only	8 L/min	White
AI-REG10	Calflow plus® only	10 L/min	Blue
AI-REG12	Calflow plus® only	12 L/min	Red
AI-REG15	Calflow plus® only	15 L/min	Green
AI-REG18	Calflow plus® only	18 L/min	Grey

SPECIFICATION

- Colour coded to denote literage per minute, allows constant flow without overflow occurring

CA-100822

MERCHANT MIXING VALVES - SERIES 5213

Ref no	Size	Connections	Temperature
CA-100822	15mm	Compression	Setting range 30 - 50°C
CA-100824	22mm	Compression	Setting range 30 - 50°C
CA-100827	15mm	Compression + MX valve	Setting range 30 - 50°C
CA-100828	22mm	Compression + MX valve	Setting range 30 - 50°C

The failsafe merchant thermostatic mixing valve has been specifically designed and manufactured to meet the requirements of the latest National Health Service model engineering specification - D08 and BS 7942 for use in vulnerable person applications. Approved to EN1287:2017 and EN1111:2017 and therefore suitable for domestic applications in compliance with Part G of the Building Regulations.

CA-100827

SPECIFICATION

- Max pressure: 10 bar
- Max incoming temperature: 85°C
- Pressure ratio (H/C or C/H): 6:1

101-3001

MIXCAL CAREFLO PLUS® THERMOSTATIC MIXING VALVE - SERIES 5213+

Ref no	Size	Connections	Temperature
101-3001	15/22mm	Compression	Setting range 30 - 50°C
101-3002	15/22mm	Compression	Setting range 30 - 50°C

The Mixcal Careflo Plus® failsafe thermostatic mixing valves have been designed and manufactured to meet the requirements of BS 7942:2011 and the National Health Service model engineering specification D08 for use in healthcare premises, hospitals, care homes and schools. This valve has a unique feature which allows for thermal disinfection to be performed through to the outlets, helping to protect against Legionella and other microbial organisms. The 101-3001 has a universal tailpiece and adapter and 101-3002 comes complete with universal MX ends with adapter.

NEW

101-3002

SPECIFICATION

- Max pressure: 10 bar
- Max incoming temperature: 85˚C
- Pressure ratio (H/C or C/H): 5:1

AI-373B22

INTABALL® LEVER BALL VALVES - BLUE HANDLE

Ref no	Size	Connections	Body	Pressure
AI-373B15	15mm	Compression	Brass	25 bar
AI-373B22	22mm	Compression	Brass	25 bar
AI-373B28	28mm	Compression	Brass	25 bar
AI-373B35	35mm	Compression	Brass	16 bar
AI-373B42	42mm	Compression	Brass	16 bar
AI-373B54	54mm	Compression	Brass	16 bar

FULL BORE

SPECIFICATION

- Temperature range: -20°C - 99°C
- Complies with full bore BS EN 13828:2003

AI-373R15

INTABALL® LEVER BALL VALVES - RED HANDLE

Ref no	Size	Connections	Body	Pressure
AI-373R15	15mm	Compression	Brass	25 bar
AI-373R22	22mm	Compression	Brass	25 bar
AI-373R28	28mm	Compression	Brass	25 bar
AI-373R35	35mm	Compression	Brass	16 bar
AI-373R42	42mm	Compression	Brass	16 bar
AI-373R54	54mm	Compression	Brass	16 bar

FULL BORE

SPECIFICATION

- Temperature range: -20°C - 99°C
- Complies with full bore BS EN 13828:2003

124-8101

INTABALL® PRESS FIT LEVER BALL VALVES - RED LEVER

Ref no	Size	Connections	Body	Pressure
124-8101	15mm x 15mm	Copper press fit	Brass	40 bar
124-8103	22mm x 22mm	Copper press fit	Brass	40 bar
124-8104	28mm x 28mm	Copper press fit	Brass	40 bar
124-8105	35mm x 35mm	Copper press fit	Brass	25 bar
124-8106	42mm x 42mm	Copper press fit	Brass	10 bar
124-8107	54mm x 54mm	Copper press fit	Brass	10 bar

FULL BORE

WRAS APPROVED PRODUCT

SPECIFICATION
- Anti blow out stem
- Lever operated through 90° with bi-directional resistance
- PTFE body seats for reliable isolation
- M&V press up to 35mm

124-8201

INTABALL® PRESS FIT LEVER BALL VALVES - BLUE LEVER

Ref no	Size	Connections	Body	Pressure
124-8201	15mm x 15mm	Copper press fit	Brass	40 bar
124-8203	22mm x 22mm	Copper press fit	Brass	40 bar
124-8204	28mm x 28mm	Copper press fit	Brass	40 bar
124-8205	35mm x 35mm	Copper press fit	Brass	25 bar
124-8206	42mm x 42mm	Copper press fit	Brass	10 bar
124-8207	54mm x 54mm	Copper press fit	Brass	10 bar

FULL BORE

WRAS APPROVED PRODUCT

SPECIFICATION
- Anti blow out stem
- Lever operated through 90° with bi-directional resistance
- PTFE body seats for reliable isolation
- M&V press up to 35mm

PRESCAL - SERIES 533 HIGH PERFORMANCE PRESSURE REDUCING VALVE WITH COMPRESSION ENDS

533641H

Ref no	Size	Max Pressure at Inlet	Outlet Adj Range	Connections	Gauge	Temperature
533641H	15mm	16 bar	1 - 5.5 bar	Compression	No Port	Max 80°C
533651H	22mm	16 bar	1 - 5.5 bar	Compression	No Port	Max 80°C
533741H	15mm	16 bar	1 - 5.5 bar	Compression	Port Only	Max 80°C
533751H	22mm	16 bar	1 - 5.5 bar	Compression	Port Only	Max 80°C
533761H	28mm	16 bar	1 - 5.5 bar	Compression	Port Only	Max 80°C
533841H	15mm	16 bar	1 - 5.5 bar	Compression	With Gauge	Max 80°C
533851H	22mm	16 bar	1 - 5.5 bar	Compression	With Gauge	Max 80°C
533861H	28mm	16 bar	1 - 5.5 bar	Compression	With Gauge	Max 80°C

The series 533 high performance range of pressure reducing valves is designed for domestic and semi-commercial applications.

533741H

WRAS APPROVED PRODUCT

5 YEAR WARRANTY

SPECIFICATION
- Max inlet pressure: 16 bar
- Max temperature: 80°C
- Outlet adj range: 1 - 6 bar
- Pressure gauge connection: G¼″
- EN 1567 approved
- High flow rate
- Low operational noise

533841H

535051H

PRESCAL - SERIES 535 HIGH PERFORMANCE DIAL UP PRESSURE REDUCING VALVE

Ref no	Size	Max Pressure at Inlet	Outlet Adj Range	Connections	Gauge	Temperature
535015H	15mm	25 bar	1 - 6 bar	Compression	Port Only	Max 80°C
535022H	22mm	25 bar	1 - 6 bar	Compression	Port Only	Max 80°C
535028H	28mm	25 bar	1 - 6 bar	Compression	Port Only	Max 80°C
535041H	½"	25 bar	1 - 6 bar	M x M BSP	With Gauge	Max 80°C
103-2040*	15mm	25 bar	1 - 6 bar	Press Fit	Port Only	Max 80°C
535051H	¾"	25 bar	1 - 6 bar	M x M BSP	With Gauge	Max 80°C
103-2041*	22mm	25 bar	1 - 6 bar	Press Fit	With Gauge	Max 80°C
535061H	1"	25 bar	1 - 6 bar	M x M BSP	With Gauge	Max 80°C
103-2042*	28mm	25 bar	1 - 6 bar	Press Fit	With Gauge	Max 80°C
535071H	1¼"	25 bar	1 - 6 bar	M x M BSP	With Gauge	Max 80°C
103-2043*	35mm	25 bar	1 - 6 bar	Press Fit	With Gauge	Max 80°C
535081H	1½"	25 bar	1 - 6 bar	M x M BSP	With Gauge	Max 80°C
103-2044*	42mm	25 bar	1 - 6 bar	Press Fit	With Gauge	Max 80°C
535091H	2"	25 bar	1 - 6 bar	M x M BSP	With Gauge	Max 80°C
103-2045*	54mm	25 bar	1 - 6 bar	Press Fit	With Gauge	Max 80°C
535040H	½"	25 bar	1 - 6 bar	M x M BSP	Port Only	Max 80°C
535050H	¾"	25 bar	1 - 6 bar	M x M BSP	Port Only	Max 80°C
535060H	1"	25 bar	1 - 6 bar	M x M BSP	Port Only	Max 80°C
535070H	1¼"	25 bar	1 - 6 bar	M x M BSP	Port Only	Max 80°C
535080H	1½"	25 bar	1 - 6 bar	M x M BSP	Port Only	Max 80°C
535090H	2"	25 bar	1 - 6 bar	M x M BSP	Port Only	Max 80°C

535015H

The series 535 range of dial up pressure reducing valves is designed for semi-commercial and industrial applications.

WRAS APPROVED PRODUCT

SPECIFICATION

- Max inlet pressure: 25 bar
- Max temperature: 80°C
- Outlet adj range: 1 - 6 bar
- Pressure gauge connection: G¼"
- Factory setting: 3 bar
- Certification: BS EN 1567
- Static control
- Press fit valves are 'M' press

5 YEAR WARRANTY

NEW *

AUTOMATIC AIR VENTS

Ref no	Size	Connections	Pressure	Max Temp	Description
502649	15mm	Compression	Discharge 6 bar	115°C	ROBOCAL
502420	¼"	M BSP	Discharge 4 bar	115°C	ROBOCAL
502430	⅜"	M BSP	Discharge 4 bar	115°C	ROBOCAL
502530	⅜"	M BSP	Discharge 4 bar	115°C	ROBOCAL w/checkvalve
502630	⅜"	M BSP	Discharge 6 bar	115°C	ROBOCAL
502640	½"	M BSP	Discharge 6 bar	115°C	ROBOCAL
502730	⅜"	M BSP	Discharge 6 bar	115°C	ROBOCAL w/checkvalve
CA-100099	⅜"	M BSP	Discharge 6 bar	115°C	ROBOCAL w/checkvalve
502030	⅜"	M BSP	Discharge 2.5 bar	120°C	MINICAL
502040	½"	M BSP	Discharge 2.5 bar	120°C	MINICAL
502050	¾"	M BSP	Discharge 2.5 bar	120°C	MINICAL w/hygroscopic cap
502060	1"	M BSP	Discharge 2.5 bar	120°C	MINICAL w/hygroscopic cap
502130	⅜"	M BSP	Discharge 2.5 bar	120°C	MINICAL w/checkvalve
501500	¾"	M BSP	Discharge 6 bar	120°C	MAXCAL
504401	½"	M BSP	Discharge 2.5 bar	100°C	AERCAL

502649

502420

502730

SPECIFICATION

- The range of automatic air vents is operated via a float mechanism and is designed for the removal of air from systems

WRAS APPROVED PRODUCT

359410

359003

NEW

354054

MANIFOLD FOR DOMESTIC WATER SYSTEMS - SERIES 359

Ref no	Description
359410	Distribution manifold with individual shut-off valves (4+3)
359510	Distribution manifold with individual shut-off valves (5+4)
359700	Recessed inspection port with push-to-open frame
359801	Plastic aesthetic cover plate (white)
359802	Stainless steel aesthetic cover plate (shiny finish)
359803	Stainless steel aesthetic cover plate (brushed finish)
359003	23p. 1,5 fitting with fixing clip
359004	½″ fitting, Ø 13 flat seat with fixing clip
359005	¾″ fitting, Ø 18 flat seat with fixing clip
359006	¾″ fitting, Ø 18 Euroconus with fixing clip

The distribution manifolds with individual shut-off valves are used to control and distribute the medium in domestic water circuits. They are supplied already assembled in a plastic inspection box to facilitate positioning and installation. They are equipped with shut-off valves with a handwheel for each individual circuit and an identification number for the user served. Box installation can be completed using push-to-open inspection ports or aesthetic cover plates that are available in different finishes.

SPECIFICATION
- No of outlets: 4 + 3 & 5 + 4
- Max pressure at inlet: 10 bar
- Temperature range: 5°C - 90°C

DISTRIBUTION MANIFOLD

Ref no	Size	Connections
354052	¾″	Ø 23mm x 2 outlets
354053	¾″	Ø 23mm x 3 outlets
354054	¾″	Ø 23mm x 4 outlets
354055	¾″	Ø 23mm x 5 outlets

SPECIFICATION
- Modular single distribution manifold with shut-off valves.
- Dezincification resistant alloy body
- Max working pressure: 10 bar
- Temperature range: 5 - 100°C
- Outlet centre distance: 35mm
- Adapters required for pipe

WRAS APPROVED PRODUCT

PLEASE NOTE: For pipe connections refer to our darcal range of fitting for connections required which are available separately
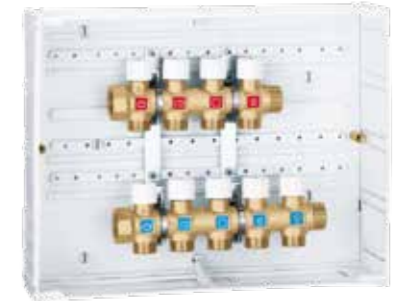

DISTRIBUTION MANIFOLD IN CASE

360043

Ref no	Size	Connections
360043	¾″	Ø 23mm x 3 - 4 outlets
360054	¾″	Ø 23mm x 4 - 5 outlets

SPECIFICATION
- Modular single distribution manifold with shut-off valves.
- Dezincification resistant alloy body
- Max working pressure: 10 bar
- Temperature range: 5 - 100°C
- Outlet centre distance: 35mm
- Inspection box 320mm x 250mm x 90mm with cover

PLEASE NOTE: For pipe connections refer to our darcal range of fitting for connections required which are available separately
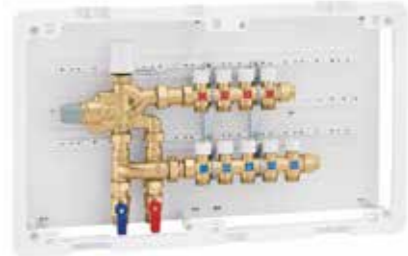
6005 LEGIOFLOW®

600550

Ref no	Size	Description
600530	¾″	Ø 23mm 3 cold, 2 hot outlets with thermo-electric actuator
600540	¾″	Ø 23mm 4 cold, 3 hot outlets with thermo-electric actuator
600550	¾″	Ø 23mm 5 cold, 4 hot outlets with thermo-electric actuator
600531	¾″	Ø 23mm 3 cold, 2 hot outlets without thermo-electric actuator
600541	¾″	Ø 23mm 4 cold, 3 hot outlets without thermo-electric actuator
600551	¾″	Ø 23mm 5 cold, 4 hot outlets without thermo-electric actuator

SPECIFICATION
- Multi-function compact unit for temperature control, thermal disinfection and distribution for domestic water system
- Dezincification resistant alloy body
- Max working pressure: 10 bar
- Temperature range: 5 - 100°C
- Outlet centre distance: 35mm
- Inspection box 560mm x330mm x 80mm with cover

PLEASE NOTE: For pipe connections refer to our darcal range of fitting for connections required which are available separately

COMPRESSION FITTING FOR COPPER TUBE

347010

Ref no	Size	Connections
347010	Ø 10mm	Ø 23mm x 10mm Compression
347015	Ø 15mm	Ø 23mm x 15mm Compression

SPECIFICATION
- Compression fitting for annealed copper, hard copper, brass, mild steel and stainless steel pipes
- Complete with O ring seal
- Max working pressure: 10 bar
- Temperature range: -25 - 120°C

6716F1

671 PRE-ASSEMBLED DISTRIBUTION MANIFOLD

Ref no	Connections	Outlet No.	Outlets
6716C1	1″ F	x 3	¾″ M
6716D1	1″ F	x 4	¾″ M
6716E1	1″ F	x 5	¾″ M
6716F1	1″ F	x 6	¾″ M
6716G1	1″ F	x 7	¾″ M
6716H1	1″ F	x 8	¾″ M
6716I1	1″ F	x 9	¾″ M
6716L1	1″ F	x 10	¾″ M
6716M1	1″ F	x 11	¾″ M
6716N1	1″ F	x 12	¾″ M
6716O1	1″ F	x 13	¾″ M
6716P1	1″ F	x 14	¾″ M

PLEASE NOTE: For pipe connections refer to our darcal range of fittings for connections required which are available separately

SPECIFICATION

- Technopolymer flow manifold with built-in flow meters and flow rate balancing valves
- Technopolymer return manifold with built-in shut-off valves fitted for thermo-electric actuator
- Technopolymer end fittings with automatic air vent with hygroscopic cap, discharge valve and fill/drain cock;
- Pair of ball shut-off valves
- LCD thermometers on flow and return manifolds
- Pair of mounting brackets for box or wall mounting
- Coupling adapter with clip code 675850, for manifold outlets (in package)
- Max working pressure: 6 bar
- Temperature range: 5 to 60°C

675800

675 TECHNOPOLYMER END FITTING

Ref no	Size
675800	1¼″

SPECIFICATION

- Includes automatic air vent with hygroscopic cap, discharge valve, fill/drain cock
- Max working pressure: 6 bar
- Temperature range: 5 to 60°C

675900

675 PUSH-FIT THERMOMETER FOR PANEL PIPING

Ref no	Size
675900	-

SPECIFICATION

- For pipes with outer diameter from 15 to 18 mm.
- Thermometer scale: 5 - 50 °C
- Thermometer fluid: alcohol
- Thermo-conductive paste supplied in package

675 COUPLING ADAPTER WITH CLIP

675850

Ref no	Size
675850	¾″ Ø 18mm

675 CUTTING PIPE TEMPLATE

675002

Ref no	Size
675002	-

182 DIFFERENTIAL BY-PASS KIT

182000

Ref no	Size
182000	¾″

SPECIFICATION

- With fixed setting 25 kPa (2.500 mm w.g.) complete with flexible hose
- For regulating units 182 series
- and manifolds 670 and 671 series
- Max working pressure:10 bar
- Temperature range: 0 to 100 °C

665 DYNAMICAL® PRE-ASSEMBLED DISTRIBUTION MANIFOLD

6656D1

Ref no	Connections	Outlet No.	Outlets
6656D1	1″	x 4	¾″ M
6656E1	1″	x 5	¾″ M
6656F1	1″	x 6	¾″ M
6656G1	1″	x 7	¾″ M
6656H1	1″	x 8	¾″ M
6656I1	1″	x 9	¾″ M
6656L1	1″	x 10	¾″ M
6656M1	1″	x 11	¾″ M
6656N1	1″	x 12	¾″ M

SPECIFICATION

- Return manifold complete with flow adjustment valves DYNAMICAL® fitted for thermo-electric actuator, with flow rate adjustment 25–150 l/h and shut-off valves
- Flow manifold complete with flow indicators
- End fittings with automatic air vent with hygroscopic cap and drain cock
- Steel mounting brackets for use with box or for direct wall mounting
- Max working pressure: 6 bar
- Temperature range: 5 to 60 °C
- Outlet centre distance: 50 mm

PLEASE NOTE: For pipe connections refer to our darcal range of fitting for connections required which are available separately

UFH CONTROL UNIT

Ref no	Connector Size	Description
502-1050	G1 ½″	UFH Control Unit WITH pump (Wilo)
502-1051	G1 ½″	UFH Control Unit WITHOUT pump

The UFH Control Unit is designed to supply temperature controlled hot water to the underfloor heating system or in radiant panel heating systems.

It is designed to be easily connected to any 210mm flow and return manifold (not supplied) to evenly distribute the hot water.

The UFH Control Unit is supplied as a collection of components for easy assembly at site.

The flow elbow has 2 liquid crystal thermometers to indicate temperature and a test port which are to be used to install an air vent or pressure gauge.

The UFH Control Unit is normally supplied with the Wilo Para 25-130/7-50/SC-12 pump but can also be supplied without a pump.

SPECIFICATION

- Medium: water or glycol solution
- Max glycol percentage: 30%
- Temperature range: 5 to 90˚C
- Temperature adjustment range: 35 to 60˚C
- Factory setting: 35˚C
- Accuracy: ±2˚C
- Max working pressure: 10 bar
- Male thread connections: BS EN ISO 228-1
- Primary side connection centre distance: 75mm
- Manifold connection centre distance: 210 mm

UFH COMPACT CONTROL UNIT

Ref no	Connector Size	Description
502-1012	15mm & ½″	UFH Compact Unit WITH pump (Wilo)

The Altecnic UFH single zone control unit is designed for use on smaller heating circuits such as conservatories and extensions. It provides temperature controlled pre-mixed water to underfloor heating zones with a heat output of up to 3kW, satisfying underfloor areas up to 40 square metres.

The Altecnic UFH is pre-assembled and wired for installer convenience and is supplied complete with a mounting bracket for installation on a wall. A pre-wired flow thermostat is connected via a wiring centre to the pump, which in turn has a mains cable supplied for connection to the power supply.

SPECIFICATION

- Provides mixed temperature water control to underfloor heating systems 3kW maximum

ACTUATORS

656102

Ref no	Description
656102	220v Standard thermo-electric actuator
656104	24v Standard thermo-electric actuator
656112	220v Standard thermo-electric actuator with auxiliary microswitch
656114	24v Standard thermo-electric actuator with auxiliary microswitch
656002	220v Thermo-electric actuator with special connection
656004	24v Thermo-electric actuator with special connection

The thermo-electric actuator, coupled with convertible or thermostatic radiator valves, with distribution manifolds for radiant panel systems and radiators and with zone valves, is controlled by the room thermostat or another electrical switch, shutting off the medium automatically.

SPECIFICATION

- Electric supply 230 V (ac); 24 V (ac); 24 V (dc)
- Starting current ≤ 1A
- Running current 13 mA (230 V (ac)), 140 mA (24 V (ac) - 24 V (dc))
- Running power consumption 3 W
- Protection class IP 44 (in vertical position)
- Ambient temperature range 0 - 50°C
- Operating time from 120 to 180 seconds

GG-3003F13

COLD WATER METERS - NON PULSED

Ref no	Size	Connections	Accuracy Class	Dial Type	Jet Type
GG-3003F13	½″	M x M BSP	Class B	Dry dial	Single jet
GG-3005F20	¾″	M x M BSP	Class B	Dry dial	Single jet
PS-100001	½″	M x M BSP	Class D / MID R 315	Dry dial	Multi jet
PS-100002	¾″	M x M BSP	Class D / MID R 160	Dry dial	Multi jet
PS-100004	1″	M x M BSP	Class D / MID R 100	Dry dial	Multi jet
GG-2003013	½″	M x M BSP	Class B	Wet dial	Single jet
GG-2005020	¾″	M x M BSP	Class B	Wet dial	Single jet
GG-2007025	1″	M x M BSP	Class B	Wet dial	Single jet
GG-2007030	1¼″	M x M BSP	Class B	Wet dial	Single jet
GG-2007040	1½″	M x M BSP	Class B	Wet dial	Single jet
GG-IARF15	½″	M x M BSP	Class B	Dry dial	Multi jet
GG-IARF20	¾″	M x M BSP	Class B	Dry dial	Multi jet
GG-IARF25	1″	M x M BSP	Class B	Dry dial	Multi jet
GG-IARF30	1¼″	M x M BSP	Class B	Dry dial	Multi jet
GG-IARF40	1½″	M x M BSP	Class B	Dry dial	Multi jet
GG-OARF50	2″	M x M BSP	Class B	Dry dial	Multi jet
GG-OARF50.1	2″	M x M BSP	Class B	Dry dial	Multi jet

PS-100001

GG-2003013 GG-IARF15 GG-OARF50

PS-P00001

COLD WATER METERS - PULSED

Ref no	Size	Connections	Accuracy Class	Dial Type	Litres Pulse	Jet Type
GG-USLF15P1	½″	M x M BSP	Class B	Dry dial	1	Single jet
GG-USLF20P1	¾″	M x M BSP	Class B	Dry dial	1	Single jet
PS-P00001	½″	M x M BSP	Class D / MID R 315	Dry dial	1	Multi jet
PS-P00002	¾″	M x M BSP	Class D / MID R 100	Dry dial	1	Multi jet
PS-P00003	1″	M x M BSP	Class D / MID R 100	Dry dial	1	Multi jet

HOT WATER METERS - NON PULSED

GG-3003C13

Ref no	Size	Connections	Accuracy Class	Dial Type	Litres Pulse	Jet Type
GG-3003C13	½″	M x M BSP	Class B	Dry dial	1	Single jet
GG-3005C20	¾″	M x M BSP	Class B	Dry dial	1	Single jet

HOT WATER METERS - PULSED

GG-L12ASC02B051

Ref no	Size	Connections	Accuracy Class	Dial Type	Litres Pulse	Jet Type
GG-L12ASC02B051	½″	M x M BSP	Class B	Dry dial	1	Single jet
GG-L31ASC02B051	¾″	M x M BSP	Class B	Dry dial	1	Single jet

WATER METERS - ISOLATION VALVES

AI-195004

Ref no	Size	Connections
AI-195004	½″	F x F Swivel

DATA CONCENTRATOR

Ref no	Meters
205-1002	64
205-1003	128
205-1004	256

SPECIFICATION

- 64, 128 and 256 meters
- Extendible network up to 1000 meters
- Local data reading via USB/RS232
- Can be easily upgraded with an infra-red GPRS modem for remote meter reading

GPRS MODEM

Ref no	Power Supply
204-7010	230v mains power

SPECIFICATION

- Automatically sends meter usage data via email or text message
- Requires SIM card
- Optional mounting box available on request

SMARTPAY PREPAYMENT SYSTEM WITH A DEDICATED CONTROL UNIT, INDEPENDENT TENANT DISPLAY FOR EASY INSTALLATION

Ref no	Description
205-1001	Secure credit system management for landlords

SPECIFICATION

- Smarter budgeting and payment options for tenants
- Graphical and easy to read tenant screen, is connected wirelessly to the prepayment unit. This screen can be located conveniently within the apartment for the tenant to better manage their balance and account.
- Secure online payment portal for the tenant to top-up with credit or debit cards and local top-up facilities with PayPoint - over 28,000 retail points across the country
- Wireless Smart metering of heat and hot water, avoiding the need for cabling and building M-Bus systems for data collection. The screen can provide a messaging capability to each tenant; events, key dates, marketing opportunities.
- The system is remote changeable between a prepayment and traditional credit system.
- The system is compliant with ENE3 Code for Sustainable Homes

REMOTE METER STATION

Ref no	Description
Ask for details	Wall mounted metering station for energy
Ask for details	Wall mounted metering station for energy and cold water metering
Ask for details	Wall mounted metering station for energy, cold and hot water metering
Ask for details	Wall mounted metering station for energy, cold, hot and grey water metering

ITRON C F ECHO II ENERGY METER

Ref no	Size	Power	Output
204-1...	15 - 50mm	- Mains - Battery	- M-Bus - Pulsed - Radio - GPRS - RS232

ITRON COMPACT ENERGY METER - ULTRAMAX

Ref no	Size	Power	Output
204-2...	15 - 20mm	- Mains - Battery	- M-Bus - Pulsed - Radio

HYDROMETER ENERGY METER

Ref no	Size	Power	Output
204-6...	15 - 20mm	- Mains - Battery	- M-Bus - Pulsed - Radio - GPRS - RS232

KAMSTRUPP ENERGY METER

Ref no	Size	Power	Output
204-4...	15 - 20mm	- Mains - Battery	- M-Bus - Pulsed - Radio - GPRS - RS232

For more information on the full range of Altecnic Products, visit
www.altecnic.co.uk

or contact us on
+44(0)1785 218 200
or email
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Use the handy store locator tool on our website

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2021 Edition

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We have a domestic guide and commercial guide available.

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General information

Office hours:
Monday to Friday 8.30am - 5.00pm.

Terms:
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Until full payment has been received, all goods supplied remain the property of Altecnic Ltd.

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