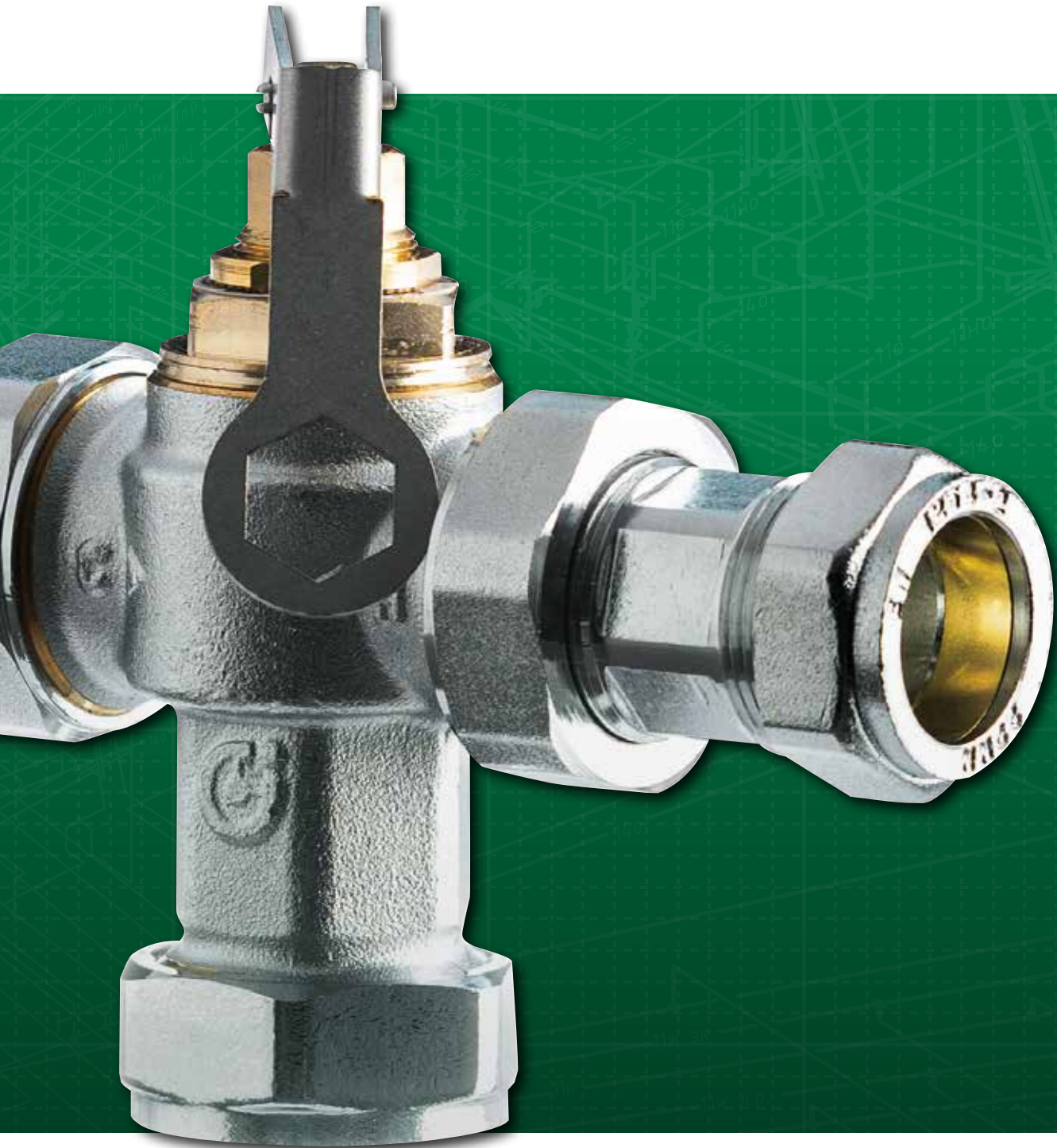


# Healthcare Solutions



[altecnic.co.uk](http://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



Committed to  
delivering accredited  
and compliant  
products to Trade,  
OEM and Specification  
Customers



## About us

From our 7500 m<sup>3</sup> HQ in Stafford, Altecnic has supported the UK & Republic of Ireland plumbing industry for over 35 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](https://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](https://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](https://altecnic.co.uk/specification) to find out more.



We understand the importance of clean, safe water to ensure patients are protected. Rest assured with Altecnic's accredited products for healthcare applications.

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>

Associations & Affiliations

Altecnic ensure that we are at the forefront of any industry discussions or regulation changes which could impact our products. We are active participants and/or member of the following associations:



Contents



8	Sectors	
10	Sustainability, quality & innovation	
12	Supporting our customers	
14	Mixing Valves	
14	Mixcal Careflo Plus® TMV - Series 5213+	
15	Merchant Mixing Valves - Series 5213	
16	Legiomix® 2.0 6000 Series	
17	Thermostatic Balancing Valves	
17	Thermostatic Regulators for Hot Water Recirculation	
18	Anti-legionella Valve	
19	Flow Through Potable Water Expansion Vessels 8 - 600 Litres	
19	Flowjet Valve For Potable Water Systems	
20	Expansion Vessels	
20	Heating Expansion Vessels 8 - 800 Litres	
21	Pressure Reducing Valves	
21	Prescal - Series 533 High Performance PRV	
22	Series 533 Cold PRV	
22	Prescal - Series 533LB PRVs - 4MS Positive List Compliant	
23	Series 533H Inclined Micro PRV	
23	Prescal - Series 535 Dial Up PRV	
24	Prescal - Series 535 High Performance Dial Up PRV	
25	Prescal - Series 536 PRV	
26	Press Fit Ball Valves - Water	
26	Intaball® Press Fit Lever Ball Valves - Red/Blue Lever	
27	Intaball® Press Fit Lever Ball Valves - Green Lever	
28	Anti-Legionella Ball Valve	
28	Intaball® Lever Ball Valve - Green Handle	
29	Calflow Plus®	
29	Calflow Plus® 15mm	
29	Flow Regulator Cartridges for use with Calflow Plus®	
30	Commercial Washrooms	
30	Silfra Non Concussive Taps	
30	Silfra Timed Flow Controls	
30	Silfra Toggle Tap	
31	Silfra Non Concussive Mixer Tap	
31	Silfra IR	
31	Silfra Vandal Resistant Head	
32	Foot Operated Taps	
32	Group Thermostatic Mixing Valve - ART 5219	
32	1164 Series - Thermostatic Regulator	
33	Fast Fix Connections	
33	Shower Double Check Valve	
34	Group Showers	
34	Group Basins	
36	Backflow Prevention	
36	RPZ Valves	
37	Double Check Valves	
38	Isolation Valves	
39	Combined Isolation, DCV & Strainer	
40	Tundishes	
41	Automatic Air Vents	
41	Automatic Air Vents	
42	Filling Loops	
42	Filling Loops	
43	Y Pattern Strainers	
43	Y Pattern Strainers	
44	Gauges	
44	Pressure Gauges	
45	Temperature Gauges	



# 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.

Browse and download our sector brochures here





# 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 9001:2015, ISO 14001:2015 and 45001:2018 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.wrasapprovals.co.uk](http://www.wrasapprovals.co.uk)



### NSF Certified Products

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

[www.nsf.org](http://www.nsf.org)



### KIWA product approval scheme

Details of KIWA approved products can be found online at:

[www.kiwa.co.uk/waterproducts](http://www.kiwa.co.uk/waterproducts)



### UKCA products

Details of UKCA range of products identified by logo



Learn more about our sustainability initiatives



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 £100 minimum order charge with the majority 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  
Website: [altecnic.co.uk/technical-hub](http://altecnic.co.uk/technical-hub)

## 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](mailto:marketing@altecnic.co.uk)

Find your  
local  
ASM here



## 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.



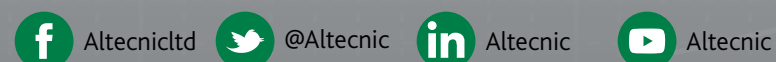
### Training courses include:

- 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.

Training Helpline: +44(0)1785 218206  
Training Email: [training@altecnic.co.uk](mailto:training@altecnic.co.uk)  
Website: [altecnic.co.uk/technical-hub/training-and-cpds](http://altecnic.co.uk/technical-hub/training-and-cpds)

Visit our  
website  
for more  
information  
on training



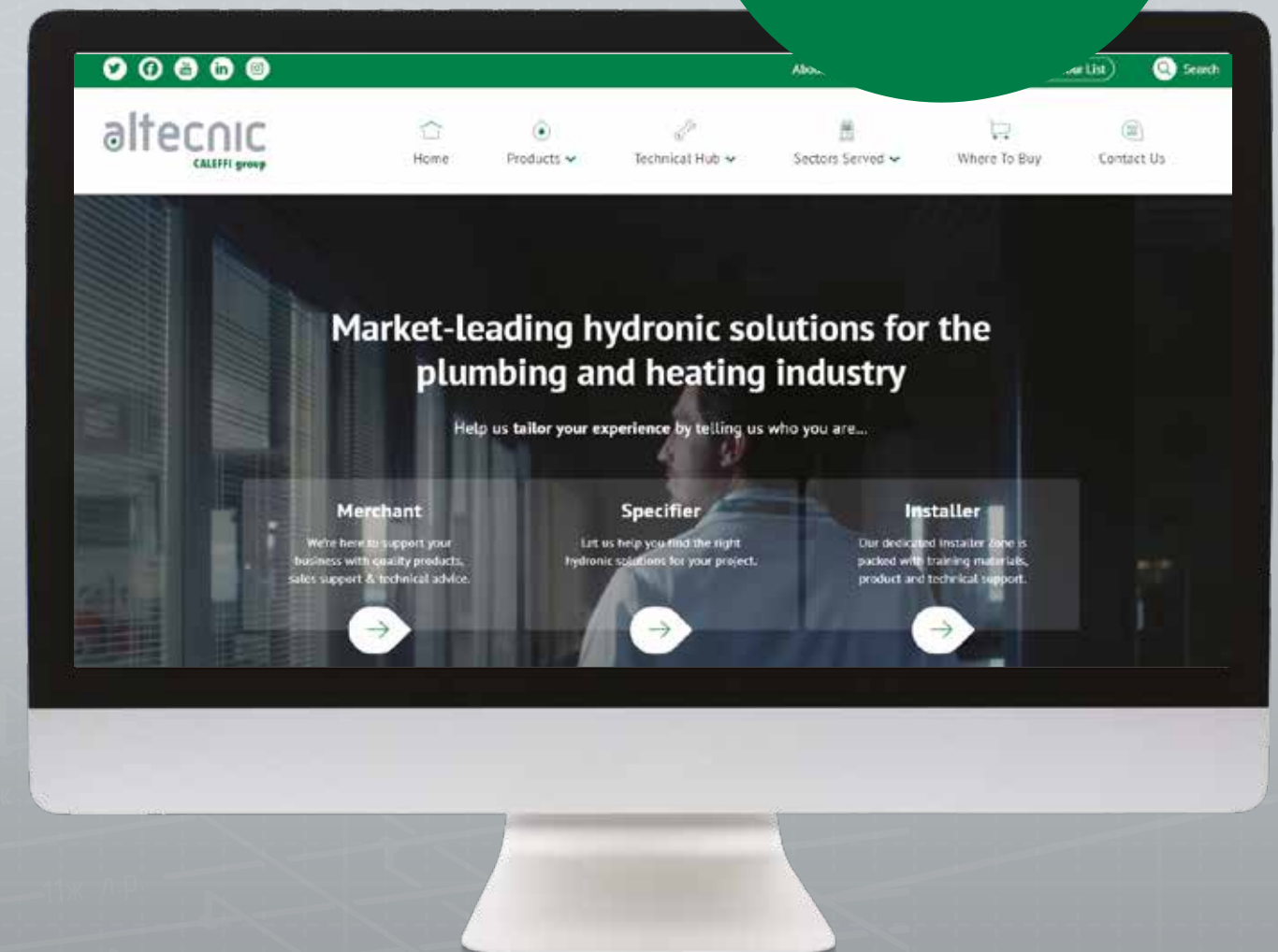
Altecnic Ltd, Mustang Drive, Stafford, Staffordshire ST16 1GW

General: 01785 218200  
Accounts Enquiries: 01785 218203

Altecnic are thrilled to announce the launch of its new look website, [altecnic.co.uk](http://altecnic.co.uk)!

The new look website was designed with improving user experience at its heart, putting the right product information and technical knowledge at your fingertips.

Visit  
our new  
website



### The site features:

• a brand-new Technical Hub

Full of useful technical information including hot topics, technical video library, FAQ's, technical support and information on training and CPD's

• an improved Find-a-Stockist tool

Simply enter your postcode and search radius and you can view all of the stockists in your local area

• Installer, Specifier, and Merchant portals

The portals store all the information our customers need to find, fit, service and maintain Altecnic products

MIXING VALVES

101-3001



101-3002



NEW

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 + MX valve	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.

SPECIFICATION

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



Find out more  
about the Mixcal  
Careflo Plus® here



MIXING VALVES

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.

SPECIFICATION

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



CA-100822



CA-100827

MX VALVES (PAIR) - FOR USE WITH SERIES 5213

Ref no	Size	Connections
AI-496A05BAG	15mm x 3/4"	Compression x F BSP
AI-490A06BAG	22mm x 1"	Compression x F BSP

The MX range of valves c/w isolation valve, check valve and test port strainers. The MX valves have been designed specifically for use with our range of thermostatic mixing valves.



AI-496A05BAG



MIXING VALVES

600045



LEGIOMIX® 2.0 6000 SERIES -  
HYBRID ELECTRONIC MIXING VALVE

Ref no	Size	Connections
600045	½"	M BSP
600055	¾"	M BSP
600065	1"	M BSP
600075	1¼"	M BSP
600085	1½"	M BSP
600095	2"	M BSP

The Legiomix 2.0 hybrid mixing valve combines the typical function of the mechanical thermostatic mixing valve and the management efficiency of an electronic mixing valve in a single device.

The thermostatic mixing valve responds promptly to any variation in temperature, pressure and inlet flow rate to quickly restore the mixed water temperature to the outlet.

The electronic regulator, directly on the actuator, allows the mixed water temperature control according to different functional programs, both for normal control and for the thermal disinfection for the prevention of Legionella.

SPECIFICATION

- Max working pressure (static): 10 bar
- Max incoming temperature: 90°C
- Adjustment temperature range: 35 - 65°C
- Disinfection temperature range: 50 - 85°C

Find out  
more about the  
Legiomix® here



THERMOSTATIC BALANCING VALVES

THERMOSTATIC REGULATOR FOR HOT WATER RECIRCULATION LOOPS

116240

Ref no	Size	Description
116140	½"	Regulator with probe pocket for temperature gauge
116150	¾"	Regulator with probe pocket for temperature gauge
116240	½"	Regulator with temperature gauge
116250	¾"	Regulator with temperature gauge
116160*	1"	For actuator-controlled thermal disinfection function
116170*	1¼"	For actuator-controlled thermal disinfection function
116260	1"	For actuator-controlled thermal disinfection function with gauge
116270	1¼"	For actuator-controlled thermal disinfection function with gauge

Thermostatic regulator for domestic hot water recirculation circuits fitted for actuator-controlled thermal disinfection function.



SPECIFICATION

- Kv maximum: 1.8 m3/h, Kv minimum: 0.2 m3/h
- Max working pressure: 10 bar
- Max differential pressure: 1 bar
- Temperature adjustment range: 35 - 60°C (½" - ¾")
- Temperature adjustment range: 35 - 65°C (1" - 1¼")



Read more about  
the Thermostatic  
regulators in our blog



116 THERMOSTATIC REGULATOR FOR HOT WATER RECIRCULATION

116441

Ref no	Size	Connections	Description
116415	15mm	RP ½" w/ 15mm compression fitting	Thermostatic regulator
116420	22mm	RP ¾" w/ 22mm compression fitting	Thermostatic regulator
116440	½"	F BSP	Thermostatic regulator
116441	½"	F BSP	Thermostatic regulator with gauge
116450	¾"	F BSP	Thermostatic regulator
116451	¾"	F BSP	Thermostatic regulator with gauge

The Altecnic thermostatic regulator for domestic hot water recirculation loops automatically maintains the specified water temperature.



SPECIFICATION

- Max working pressure: 16 bar
- Max working temperature: 60°C
- Temperature gauge available (code: 116010)
- Temperature adjustment range: 40 - 65°C



ANTI-LEGIONELLA VALVE

FLOW THROUGH SERIES POTABLE VESSELS

Reflex Flow Through vessels from Altecnic prevent build-up of potentially harmful bacteria in potable water expansion vessels by reducing stagnation within the vessel. The innovative design encourages flushing through the expansion vessel, greatly reducing the opportunity for potentially harmful cysts to form.

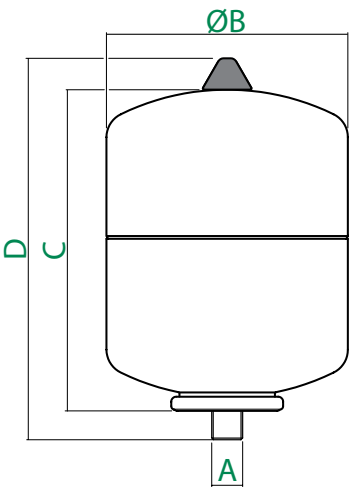
\* Using the optional Flowjet valve is recommended.



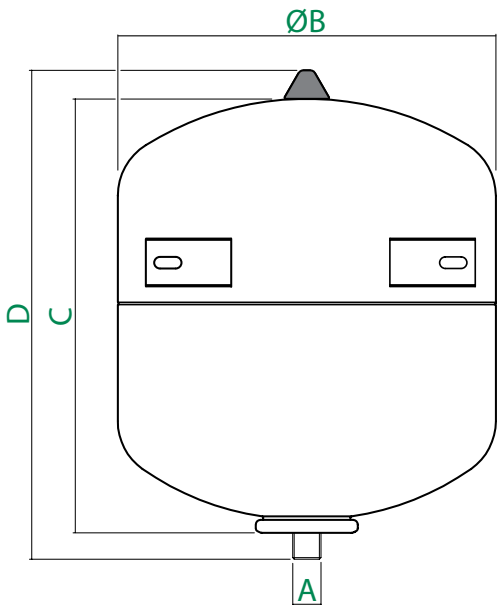
\* Flow Through vessel with Flowjet valve

Materials	
Component	Material
Shell	Carbon steel
Connections	Stainless steel
Diaphragm	Synthetic rubber compound
Coating	Powder epoxy

Technical Specification	
Max. working pressure	10 bar
Max. vessel operating temperature	70°C
Factory pre-charge - Vertical range	4.0 bar - nitrogen
System water connection thread	BS EN ISO 228 - male



8 - 25 litres



33 litres

ANTI-LEGIONELLA VALVE

FLOW THROUGH POTABLE WATER EXPANSION VESSELS 8 - 600 LITRES - MEMBRANE: FIXED BUTYL

Ref. no	Cap (L)	Dia (Ø D mm)	Ht (H mm)	Connection (inches)	Wt (kg)	Max pressure
PVA8G	8	206	345	G ¾"	2.7	10 bar
PVA12G	12	280	325	G ¾"	3.7	10 bar
PVA18G	18	280	420	G ¾"	4.7	10 bar
PVA25G	25	280	530	G ¾"	5.7	10 bar
PVA33G	33	354	465	G ¾"	6.5	10 bar
PVA60G	60	409	755	1¼"	15.0	10 bar
PVA80G	80	480	750	1¼"	16.5	10 bar
PVA100G	100	480	856	1¼"	18.6	10 bar
PVA200G	200	634	975	1¼"	37.0	10 bar
PVA300G	300	634	1275	1¼"	43.5	10 bar
PVA400G	400	740	1245	1¼"	73.0	10 bar
PVA500G	500	740	1475	1¼"	69.0	10 bar
PVA600G	600	740	1860	DN50/PN16	164.0	10 bar



PVA8G

SPECIFICATION

CE marked

- Anti-Legionella vessel when used with FlowJet attachment
- 300l to 600l vessels palletised

FLOWJET VALVE FOR POTABLE WATER SYSTEMS

Ref no	Connections	Max pressure
PVACC1	G ¾"	10 bar
PVACC2	G 1¼"	10 bar



PVACC1



# EXPANSION VESSELS

HV25C



## HEATING EXPANSION VESSELS 8 - 25 LITRES

Ref. no	Cap (L)	Dia (Ø D mm)	H (H mm)	Connection (inches)	W (kg)	Max pressure	Bracket
HV8C	8	272	235	R ¾	1.7	3 bar	No
HV12C	12	272	315	R ¾	2.3	3 bar	No
HV18C	18	308	365	R ¾	2.8	3 bar	No
HV25C	25	308	485	R ¾	3.5	3 bar	No
HVB8C	8	272	235	R ¾	1.7	3 bar	Yes
HVB12C	12	272	315	R ¾	2.3	3 bar	Yes
HVB18C	18	308	365	R ¾	2.8	3 bar	Yes
HVB25C	25	308	485	R ¾	3.5	3 bar	Yes

### SPECIFICATION

- Test pressure: 1.5 x max working pressure
- Max flow operating temperature: 120°C
- Max vessel operating temperature: 70°C
- Factory pre-charge: 1.5 bar - nitrogen
- Membrane: Synthetic Rubber

HV35C



## HEATING EXPANSION VESSELS 35 - 140 LITRES

Ref. no	Cap (L)	Dia (Ø D mm)	H (H mm)	Connection (inches)	W (kg)	Max pressure
HV35C	35	376	465	R ¾	5.7	3 bar
HV50C	50	441	495	R ¾	7.5	6 bar
HV80C	80	512	570	R 1	9.9	6 bar
HV100C	100	512	680	R 1	11.2	6 bar
HV140C	140	512	895	R 1	14.5	6 bar

### SPECIFICATION

- Test pressure: 1.5 x max working pressure
- Max flow operating temperature: 120°C
- Max vessel operating temperature: 70°C
- Factory pre-charge: 1.5 bar - nitrogen
- With feet
- Membrane: Synthetic Rubber

HV250W



## HEATING EXPANSION VESSELS 200 - 800 LITRES

Ref. no	Cap (L)	Dia (Ø D mm)	H (H mm)	Connection (inches)	Wt (kg)	Max pressure
HV200W	200	634	760	R 1	37	6 bar
HV250W	250	634	890	R 1	45	6 bar
HV300W	300	634	1090	R 1	52	6 bar
HV400W	400	740	1090	R 1	65	6 bar
HV500W	500	740	1290	R 1	79	6 bar
HV600W	600	740	1530	R 1	85	6 bar
HV800W	800	740	1995	R 1	103	6 bar

### SPECIFICATION

- Test pressure: 1.5 x max working pressure
- Max flow operating temperature: 120°C
- Max vessel operating temperature: 70°C
- Factory pre-charge: 1.5 bar - nitrogen
- With feet
- 300l - 800l vessels palletised
- Membrane: Synthetic Rubber

# PRESSURE REDUCING VALVES

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

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.

### 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



533641H



533741H



533841H



## PRESCAL - SERIES 533 HIGH PERFORMANCE PRESSURE REDUCING VALVES

Ref no	Size	Max Pressure at Inlet	Outlet Adj Range	Connections	Gauge	Temperature
533441H LTC	½"	16 bar	1 - 5.5 bar	F x F BSP	Port Only	Max 80°C
533451H LTC	¾"	16 bar	1 - 5.5 bar	F x F BSP	Port Only	Max 80°C
533241H LTC	½"	16 bar	1 - 5.5 bar	F x F BSP	With Gauge	Max 80°C
103-2020*	15mm	16 bar	1 - 5.5 bar	Press Fit	With Gauge	Max 80°C
533251H LTC	¾"	16 bar	1 - 5.5 bar	F x F BSP	With Gauge	Max 80°C
103-2021*	22mm	16 bar	1 - 5.5 bar	Press Fit	With Gauge	Max 80°C

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

### SPECIFICATION

- Max inlet pressure: 16 bar
- Max temperature: 80°C
- Outlet adj range: 1 - 5.5 bar
- Pressure gauge connection: G¼"
- EN 1567 approved
- High flow rate
- Low operational noise

\* Mapress Press Fit Connection



533441H LTC



533241H LTC



PRESSURE REDUCING VALVES

533041



103-2011



SERIES 533 COLD PRESSURE REDUCING VALVE

Ref no	Size	Max Pressure at Inlet	Outlet Adj Range	Connections	Gauge	Temperature
533641*	15mm	16 bar	1 - 6 bar	Compression	No Port	Max 40°C
533651*	22mm	16 bar	1 - 6 bar	Compression	No Port	Max 40°C
533741*	15mm	16 bar	1 - 6 bar	Compression	Port Only	Max 40°C
533751*	22mm	16 bar	1 - 6 bar	Compression	Port Only	Max 40°C
533841*	15mm	16 bar	1 - 6 bar	Compression	With Gauge	Max 40°C
533851*	22mm	16 bar	1 - 6 bar	Compression	With Gauge	Max 40°C
533041	½"	16 bar	1 - 6 bar	FBSP	No Port	Max 40°C
533051	¾"	16 bar	1 - 6 bar	FBSP	No Port	Max 40°C
533241	½"	16 bar	1 - 6 bar	FBSP	With Gauge	Max 40°C
533251	¾"	16 bar	1 - 6 bar	FBSP	With Gauge	Max 40°C
533441	½"	16 bar	1 - 6 bar	FBSP	Port Only	Max 40°C
533451	¾"	16 bar	1 - 6 bar	FBSP	Port Only	Max 40°C
103-2010**	15mm	16 bar	1 - 6 bar	Press Fit	With Gauge	Max 40°C
103-2011**	22mm	16 bar	1 - 6 bar	Press Fit	With Gauge	Max 40°C

SPECIFICATION

- Max inlet pressure: 16 bar
- Max temperature: 40°C
- Outlet adj range: 1 - 6 bar
- Pressure gauge connection: G¼"

\*\* Mapress Press Fit Connection



533442 CST



PRESCAL - SERIES 533LB PRESSURE REDUCING VALVE - 4MS POSITIVE LIST COMPLIANT

Ref no	Size	Max Pressure at Inlet	Outlet Adj Range	Connections	Gauge	Temperature
533442 CST	½"	12 bar	1 - 6 bar	F x F BSP	Port Only	Max 40°C

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

SPECIFICATION

- Max inlet pressure: 12 bar
- Max temperature: 40°C
- Outlet adj range: 1 - 6 bar
- Pressure gauge connection: G¼"
- Manufactured with materials from 4MS positive list material - low lead alloy
- Dynamic control
- BS EN 1567 approved



PRESSURE REDUCING VALVES

SERIES 533H INCLINED MICRO PRESSURE REDUCING VALVE

Ref no	Size	Max Pressure at Inlet	Outlet Adj Range	Connections	Gauge	Temperature
533430H	⅜"	16 bar	0.8 - 4 bar	F x F BSP	Port Only	Max 80°C
533230H	⅜"	16 bar	0.8 - 4 bar	F x F BSP	With Gauge	Max 80°C

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

SPECIFICATION

- Max inlet pressure: 16 bar
- Max temperature: 80°C
- Outlet adj range: 0.8 - 4 bar
- Pressure gauge connection: G¼"
- Dynamic control



533430H

PRESCAL - SERIES 535 DIAL UP PRESSURE REDUCING VALVE

Ref no	Size	Max Pressure at Inlet	Outlet Adj Range	Connections	Gauge	Temperature
535022	22mm	25 bar	1 - 6 bar	Compression	Port Only	Max 40°C
535041	½"	25 bar	1 - 6 bar	M x M BSP	With Gauge	Max 40°C
535051	¾"	25 bar	1 - 6 bar	M x M BSP	With Gauge	Max 40°C
535061	1"	25 bar	1 - 6 bar	M x M BSP	With Gauge	Max 40°C
535071	1¼"	25 bar	1 - 6 bar	M x M BSP	With Gauge	Max 40°C
535081	1½"	25 bar	1 - 6 bar	M x M BSP	With Gauge	Max 40°C
535091	2"	25 bar	1 - 6 bar	M x M BSP	With Gauge	Max 40°C
535040	½"	25 bar	1 - 6 bar	M x M BSP	Port Only	Max 40°C
535050	¾"	25 bar	1 - 6 bar	M x M BSP	Port Only	Max 40°C
535060	1"	25 bar	1 - 6 bar	M x M BSP	Port Only	Max 40°C
535070	1¼"	25 bar	1 - 6 bar	M x M BSP	Port Only	Max 40°C
535080	1½"	25 bar	1 - 6 bar	M x M BSP	Port Only	Max 40°C
535090	2"	25 bar	1 - 6 bar	M x M BSP	Port Only	Max 40°C
103-2030*	15mm	25 bar	1 - 6 bar	Press Fit	With Gauge	Max 40°C
103-2031*	22mm	25 bar	1 - 6 bar	Press Fit	With Gauge	Max 40°C
103-2032*	28mm	25 bar	1 - 6 bar	Press Fit	With Gauge	Max 40°C
103-2033*	35mm	25 bar	1 - 6 bar	Press Fit	With Gauge	Max 40°C
103-2034*	42mm	25 bar	1 - 6 bar	Press Fit	Port Only	Max 40°C
103-2035*	54mm	25 bar	1 - 6 bar	Press Fit	Port Only	Max 40°C

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

SPECIFICATION

- Max inlet pressure: 25 Bar
- Max temperature: 40°C
- Outlet adj range: 1 - 6 bar
- Pressure gauge connection: G¼"
- BS EN 1567 approved



535022



535051



103-2031\*



PRESSURE REDUCING VALVES

535051H



535022H



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
535051H	¾"	25 bar	1 - 6 bar	M x M BSP	With Gauge	Max 80°C
535061H	1"	25 bar	1 - 6 bar	M x M BSP	With Gauge	Max 80°C
535071H	1¼"	25 bar	1 - 6 bar	M x M BSP	With Gauge	Max 80°C
535081H	1½"	25 bar	1 - 6 bar	M x M BSP	With Gauge	Max 80°C
535091H	2"	25 bar	1 - 6 bar	M x M BSP	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
103-2040*	15mm	25 bar	1 - 6 bar	Press Fit	Port Only	Max 80°C
103-2041*	22mm	25 bar	1 - 6 bar	Press Fit	With Gauge	Max 80°C
103-2042*	28mm	25 bar	1 - 6 bar	Press Fit	With Gauge	Max 80°C
103-2043*	35mm	25 bar	1 - 6 bar	Press Fit	With Gauge	Max 80°C
103-2044*	42mm	25 bar	1 - 6 bar	Press Fit	With Gauge	Max 80°C
103-2045*	54mm	25 bar	1 - 6 bar	Press Fit	With Gauge	Max 80°C

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

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

\* Mapress Press Fit Connection



PRESSURE REDUCING VALVES

PRESCAL - SERIES 536 PRESSURE REDUCING VALVE

Ref no	Size	Max Pressure at Inlet	Outlet Adj Range	Connections	Gauge	Temperature
536040	½"	25 bar	0.5 - 6 bar	M x M BSP	Port Only	Max 80°C
536050	¾"	25 bar	0.5 - 6 bar	M x M BSP	Port Only	Max 80°C
536060	1"	25 bar	0.5 - 6 bar	M x M BSP	Port Only	Max 80°C
536070	1¼"	25 bar	0.5 - 6 bar	M x M BSP	Port Only	Max 80°C
536080	1½"	25 bar	0.5 - 6 bar	M x M BSP	Port Only	Max 80°C
536590	2"	25 bar	0.5 - 6 bar	M x M BSP	Port Only	Max 80°C
536041	½"	25 bar	0.5 - 6 bar	M x M BSP	With Gauge	Max 80°C
536051	¾"	25 bar	0.5 - 6 bar	M x M BSP	With Gauge	Max 80°C
536061	1"	25 bar	0.5 - 6 bar	M x M BSP	With Gauge	Max 80°C
536071	1¼"	25 bar	0.5 - 6 bar	M x M BSP	With Gauge	Max 80°C
536081	1½"	25 bar	0.5 - 6 bar	M x M BSP	With Gauge	Max 80°C
536591	2"	25 bar	0.5 - 6 bar	M x M BSP	2 Gauges	Max 80°C
536240	½"	25 bar	0.5 - 6 bar	F x F BSP	Port Only	Max 80°C
536250	¾"	25 bar	0.5 - 6 bar	F x F BSP	Port Only	Max 80°C
536260	1"	25 bar	0.5 - 6 bar	F x F BSP	Port Only	Max 80°C
536241	½"	25 bar	0.5 - 6 bar	F x F BSP	With Gauge	Max 80°C
536251	¾"	25 bar	0.5 - 6 bar	F x F BSP	With Gauge	Max 80°C
536261	1"	25 bar	0.5 - 6 bar	F x F BSP	With Gauge	Max 80°C
103-2050*	15mm	25 bar	0.5 - 6 bar	Press Fit	With Gauge	Max 80°C
103-2051*	22mm	25 bar	0.5 - 6 bar	Press Fit	With Gauge	Max 80°C
103-2052*	28mm	25 bar	0.5 - 6 bar	Press Fit	With Gauge	Max 80°C
536660	DN65	25 bar	0.5 - 6 bar	Flanged PN16	2 Gauges	Max 80°C

The series 536 range of pressure reducing valves is designed for semi-commercial and industrial applications.

SPECIFICATION

- Max inlet pressure: 25 bar
- Max temperature: 80°C
- Outlet adj range: 0.5 - 6 bar
- Pressure gauge connection: G¼"
- Static control

\* Mapress Press Fit Connection



536040



536251



536660



103-2051\*



PRESS FIT BALL VALVES - WATER

124-8101



FULL BORE



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
124-8108	15mm x 1/2"	Copper press fit x F BSP	Brass	40 bar
124-8110	22mm x 3/4"	Copper press fit x F BSP	Brass	40 bar
124-8111	28mm x 1"	Copper press fit x F BSP	Brass	40 bar
124-8112	35mm x 1 1/4"	Copper press fit x F BSP	Brass	25 bar

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



FULL BORE



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
124-8208	15mm x 1/2"	Copper press fit x F BSP	Brass	40 bar
124-8210	22mm x 3/4"	Copper press fit x F BSP	Brass	40 bar
124-8211	28mm x 1"	Copper press fit x F BSP	Brass	40 bar
124-8212	35mm x 1 1/4"	Copper press fit x F BSP	Brass	25 bar

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

124-8026



FULL BORE

INTABALL® PRESS FIT LEVER BALL VALVES WITH NYLON STEM EXTENTION

Ref no	Size	Connections	Body	Pressure
124-8026	15mm x 15mm	Copper press fit	Brass	40 bar
124-8028	22mm x 22mm	Copper press fit	Brass	40 bar
124-8029	28mm x 28mm	Copper press fit	Brass	40 bar
124-8030	35mm x 35mm	Copper press fit	Brass	25 bar
124-8031	42mm x 42mm	Copper press fit	Brass	10 bar
124-8032	54mm x 54mm	Copper press fit	Brass	10 bar

SPECIFICATION

- Anti blow out stem
- The extension with integral Tee handle is condensation proof with high thermal insulation
- PTFE body seats for reliable isolation
- M&V press up to 35mm
- Colour coded caps for the extension

PRESS FIT BALL VALVES - WATER

124-8008



FULL BORE

INTABALL® PRESS FIT LEVER BALL VALVES

Ref no	Size	Connections	Body	Pressure
124-8001	15mm x 15mm	Copper press fit	Brass	40 bar
124-8003	22mm x 22mm	Copper press fit	Brass	40 bar
124-8004	28mm x 28mm	Copper press fit	Brass	40 bar
124-8005	35mm x 35mm	Copper press fit	Brass	25 bar
124-8006	42mm x 42mm	Copper press fit	Brass	10 bar
124-8007	54mm x 54mm	Copper press fit	Brass	10 bar
124-8008	15mm x 1/2"	Copper press fit x F BSP	Brass	40 bar
124-8010	22mm x 3/4"	Copper press fit x F BSP	Brass	40 bar
124-8011	28mm x 1"	Copper press fit x F BSP	Brass	40 bar
124-8012	35mm x 1 1/4"	Copper press fit x F BSP	Brass	25 bar

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
- V press for 42mm and 54mm

INTABALL® PRESS FIT BUTTERFLY LEVER BALL VALVES

Ref no	Size	Connections	Body	Pressure
124-8013	15mm x 15mm	Copper press fit	Brass	40 bar
124-8015	22mm x 22mm	Copper press fit	Brass	40 bar
124-8016	28mm x 28mm	Copper press fit	Brass	40 bar
124-8017	15mm x 1/2"	Copper press fit x F BSP	Brass	40 bar
124-8019	22mm x 3/4"	Copper press fit x F BSP	Brass	40 bar
124-8020	28mm x 1"	Copper press fit x F BSP	Brass	40 bar

SPECIFICATION

- Anti blow out stem
- Compact design with butterfly lever
- PTFE body seats for reliable isolation
- M&V press up to 35mm

124-8013



FULL BORE

INTABALL® PRESS FIT LEVER BALL VALVES WITH STEM EXTENSION

Ref no	Size	Connections	Body	Pressure
124-8021	15mm x 15mm	Copper press fit	Brass	40 bar
124-8023	22mm x 22mm	Copper press fit	Brass	40 bar
124-8024	28mm x 28mm	Copper press fit	Brass	40 bar
124-8025	35mm x 35mm	Copper press fit	Brass	25 bar

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

124-8021



FULL BORE



ANTI-LEGIONELLA BALL VALVE



INTABALL® LEVER BALL VALVE - GREEN HANDLE

Ref no	Size	Connections	Body	Pressure
124-1027 CST	3/8"	M BSP	Brass	40 bar
124-1028 CST	1/2"	M BSP	Brass	50 bar
124-1029 CST	3/4"	M BSP	Brass	40 bar
124-1030 CST	1"	M BSP	Brass	40 bar
124-1031 CST	1 1/4"	M BSP	Brass	25 bar
124-1032 CST	1 1/2"	M BSP	Brass	16 bar
124-1033 CST	2"	M BSP	Brass	16 bar

NEW

SPECIFICATION

- Max Continuous Temperature range: 90°C
- Complies with BS EN 13959
- Special self-cleaning system that avoids stagnation



CALFLOW PLUS®

CALFLOW PLUS® 15MM

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
AI-LE01205APB	Blue handle only, for use with Calflow Plus			
AI-LE01205APR	Red handle only, for use with Calflow Plus			



AI-811215

\* body only

SPECIFICATION

- Multi-function flow 15mm 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



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

## COMMERCIAL WASHROOM SOLUTIONS

QK23051



QK23551



### SILFRA NON CONCUSSIVE TAPS

Ref no	Description
QK23051	Single Basin Tap
QK23551	Single Wall Tap

The SILFRA range of non concussive taps are equipped with flow rate control for water efficiency. Manufactured from the best materials to ensure maximum reliability and durability.



#### SPECIFICATION

- Timed flow: 15 sec (adj +/- 5 sec)
- Flow rate: adj min 3 l/m, max 15 l/m at 3 bar

QK16551



QK15051



### SILFRA TIMED FLOW CONTROLS

Ref no	Description
QK16551	Exposed timed flow control (single)
QK15051	Concealed timed flow control (single)

Functional and efficient, SILFRA Timed Flow Controls are perfect for conserving water in public spaces. All SILFRA products come with a 5 year warranty as standard.



#### SPECIFICATION

- Max pressure: 5 bar
- Min pressure: 1 bar
- Max temperature: 60°C
- Timed flow: 30 sec (adj +/- 5 sec)
- Flow rate: Adj min 3 l/m, 15 l/m at 3 bar

QL23051



### SILFRA TOGGLE TAP

Ref no	Description
QL23051	Basin (single)

The SILFRA toggle tap is designed for basin mounting and can be used with hot, cold or mixed water. Complete with lever for hygienic elbow operation.



#### SPECIFICATION

- Wash basin tap with elbow lever
- Max pressure: 5 bar
- Min pressure: 1 bar
- Max temperature: 60°C
- Timed flow: 15 sec (adj +/- 5 sec)
- Flow rate: Adj min 3 l/m, 15 l/m at 3 bar

## COMMERCIAL WASHROOM SOLUTIONS

### SILFRA NON CONCUSSIVE MIXER TAP

Ref no	Description
Q425251	Non concussive mixer tap (single)

The wash basin push tap with temperature regulation is equipped with a cartridge that allows simple control of timing and flow rate.



#### SPECIFICATION

- Max pressure: 5 bar
- Min pressure: 1 bar
- Max temperature: 60°C
- Timed flow: 15 sec (adj +/- 5 sec)
- Flow rate: Adj min 3 l/m, 15 l/m at 3 bar

Q425251



### SILFRA IR

Ref no	Description
CRIQT33051ATI	Infrared Basin Tap, Single feed, Battery controlled
CRIQT33851ATI	Infrared Basin Tap, Single feed, Mains controlled
CRIQT33251ATI	Infrared Basin Tap with temperature adjustment, Dual feed, Battery controlled
CRIQT33951ATI	Infrared Basin Tap with temperature adjustment, Dual feed, Mains controlled

The Altecnic range of infrared taps are hygienic and touch free. Perfect for conserving water in public places and providing a more hygienic washing experience.



#### SPECIFICATION

- Chrome plated brass body
- Electronic taps for wash hand basins
- Stainless steel flexible hoses with anti water hammer systems and non-return valves
- Battery power via 6V DC supply
- Mains power supply 115V 50Hz AC / 230 V 50Hz AC

CRIQT33051ATI



CRIQT33251ATI



CE marked UK CA pending

### SILFRA VANDAL RESISTANT HEAD

Ref no	Description
PD15251	Small
AT89051	Large

The Altecnic range of vandal resistant shower heads are designed for a concealed supply behind a panel or wall and are ideal for communal facilities in schools, sports and leisure facilities and other areas where there is a risk of misuse.



#### SPECIFICATION

- Recommended operational pressure: 1 - 5 bar
- Max test pressure: 16 bar
- Max water temperature: 70°C
- Recommended water temperature: 41 - 43°C
- Pressure difference between hot & cold water: 1.5 bar

PD15251



AT89051





COMMERCIAL WASHROOM SOLUTIONS

605-1002



FOOT OPERATED TAPS

Ref no	Description
605-1001	Foot operated tap wall / floor - single
605-1002	Foot operated tap wall / floor - dual

SPECIFICATION

- The single tap is suitable for use with cold, hot or mixed water
- The dual tap has 2 inlet connections for cold and hot/mixed water and by pressing the appropriate pedal either can be selected
- Red and blue pads identify the services
- For mixed water the tap should be used in conjunction with a thermostatic mixing valve
- Both the single and dual taps can be converted for floor or wall mounting

NEW

ALT-521928



GROUP THERMOSTATIC MIXING VALVE - ART 5219

Ref no	Size	Connections	Check Valves	Temperature
ALT-521928	28mm	Compression	Yes	Setting range 35 to 50°C

SPECIFICATION

- Max working pressure: 14 bar (static), 5 bar (dynamic)
- Max hot inlet temperature: 90°C
- Temperature stability: ±2°C



116420



1164 SERIES - THERMOSTATIC REGULATOR FOR HOT WATER RECIRCULATION

Ref no	Size	Connections	Description
116415	15mm	RP 1/2" w/ 15mm compression fitting	Thermostatic regulator
116420	22mm	RP 3/4" w/ 22mm compression fitting	Thermostatic regulator
116440	1/2"	F BSP	Thermostatic regulator
116441	1/2"	F BSP	Thermostatic regulator with gauge
116450	3/4"	F BSP	Thermostatic regulator
116451	3/4"	F BSP	Thermostatic regulator with gauge

The Altecnic thermostatic regulator for domestic hot water re-circulation loops automatically maintains the specified water temperature.

SPECIFICATION

- Max working pressure: 16 bar
- Max working temperature: 60°C
- Temperature gauge available (code: 116010)
- Temperature adjustment range: 40 - 65°C



COMMERCIAL WASHROOM SOLUTIONS

FAST FIX CONNECTIONS

Ref no	Description
606-1001	Fast Fitting - Round
606-1002	Wall Mounting
606-1003	Fast Fitting - Square



606-1001



606-1002



606-1003

SHOWER DOUBLE CHECK VALVE

Ref no	Size	Connections	Max working pressure
123-1101	1/2"	M x F BSP	10 bar

SPECIFICATION

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



123-1101

COMMERCIAL WASHROOM SOLUTIONS

ALT-521928



116420



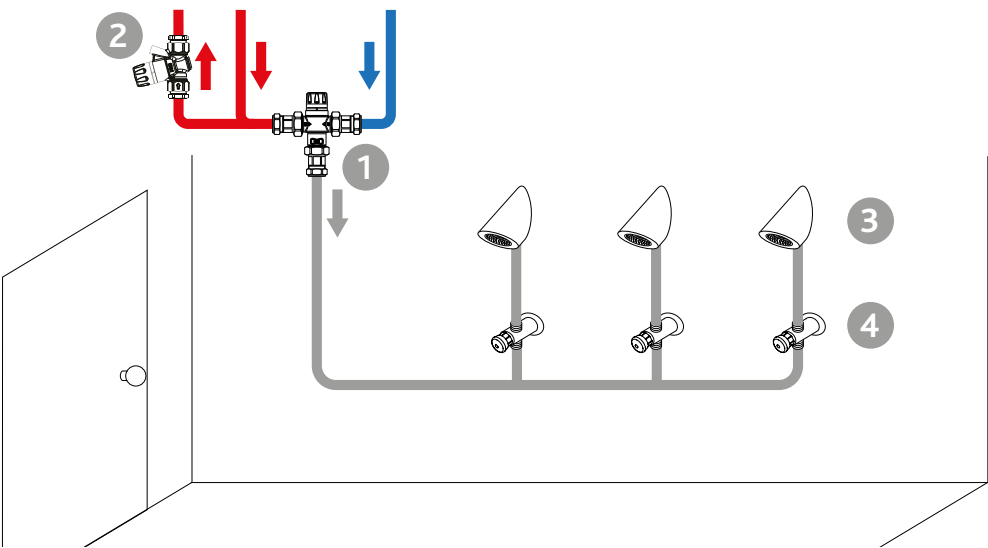
GROUP SHOWERS WITH EXPOSED CONTROLLER AND SHOWER HEAD

Ref no	Description	Diagram ref
ALT-521928	28mm Thermostatic mixing valve	1
116420	Thermal recirculation valve	2
AT89051	Vandal resistant shower head	3
QK16551	Exposed timed flow control	4

AT89051



QK16551



ALT-521928



116420



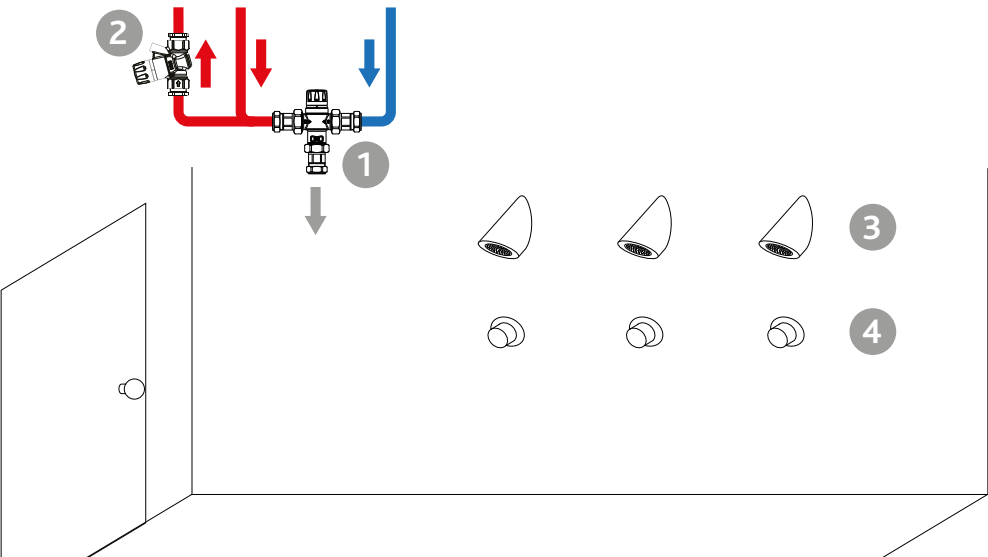
GROUP SHOWERS WITH CONCEALED CONTROLLER AND SHOWER HEAD

Ref no	Description	Diagram ref
ALT-521928	28mm Thermostatic mixing valve	1
116420	Thermal recirculation valve	2
PD15251	Vandal resistant shower head	3
QK15051	Concealed timed flow control	4

PD15251



QK15051



ALT-521928



116420



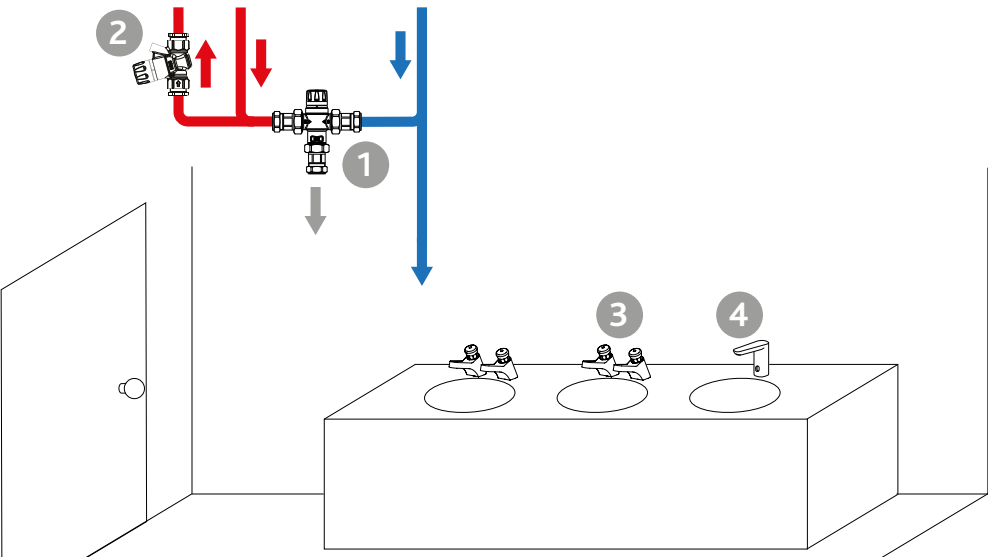
GROUP BASINS

Ref no	Description	Diagram ref
ALT-521928	28mm Thermostatic mixing valve	1
116420	Thermal recirculation valve	2
QK23051	Non-concussive basin tap	3
CRIQT33051ATI	Infrared basin tap	4

QK23051



CRIQT33051ATI



COMMERCIAL WASHROOM SOLUTIONS



## BACKFLOW PREVENTION

574040



FLUID  
CATEGORY  
4

575010



FLUID  
CATEGORY  
4

### RPZ VALVES

Ref no	Size	Connections	Pressure
574040*	1/2"	M x M BSP	10 bar
574050*	3/4"	M x M BSP	10 bar
574600*	1"	M x M BSP	10 bar
574700*	1 1/4"	M x M BSP	10 bar
574800*	1 1/2"	M x M BSP	10 bar
574900*	2"	M x M BSP	10 bar
575006*	DN65	Flanged PN16	10 bar
575008	DN80	Flanged PN16	10 bar
575010	DN100	Flanged PN16	10 bar

The Altecnic range of BA type backflow prevention devices designed for applications in water distribution systems to prevent back siphonage and back flow in fluid category 4 applications.

#### SPECIFICATION

- Max pressure at inlet: 10 bar
- Max working temperature: 65°C
- Complete list of spares available



570005



FLUID  
CATEGORY  
4

### RPZ VALVES - COMPLETE ASSEMBLIES

Ref no	Size	Connections	Pressure
570004	1/2"	F x F BSP	10 bar
570005	3/4"	F x F BSP	10 bar
570006	1"	F x F BSP	10 bar
570007	1 1/4"	F x F BSP	10 bar
570008	1 1/2"	F x F BSP	10 bar
570009	2"	F x F BSP	10 bar

The Altecnic range of BA type backflow prevention devices designed for applications in water distribution systems to prevent back siphonage and back flow in fluid category 4 applications.

#### SPECIFICATION

- Max pressure at inlet: 10 bar
- Max working temperature: 65°C
- Complete list of spares available
- Includes RPZ, isolation valve and strainer

### RPZ VALVES

Ref no	Size	Connections	Pressure
580040	DN15	1/2" M	10 bar
580050	DN20	3/4" M	10 bar
580060	DN25	1" M x M BSP	10 bar
580070	DN32	1 1/4" M x M BSP	10 bar

#### SPECIFICATION

- Backflow preventer with multifunction geometry
- BA type
- Dezincification resistant alloy body
- Threaded union connections
- For linear installation on horizontal or vertical pipes
- Complete with strainer at the inlet
- Max working temperature: 65°C
- Certified to BS EN 12729 standard



FLUID  
CATEGORY  
4

## BACKFLOW PREVENTION

### DOUBLE CHECK VALVES - ECOFIL®

Ref no	Size	Connections	Pressure
AI-903015	1/2"	F x F BSP	10 bar
AI-903020	3/4"	F x F BSP	10 bar
AI-903025	1"	F x F BSP	10 bar
AI-903032	1 1/4"	F x F BSP	10 bar
AI-903040	1 1/2"	F x F BSP	10 bar
AI-903050	2"	F x F BSP	10 bar

#### SPECIFICATION

- Dezincification resistant brass alloy
- Max working pressure: 10 bar
- Max working temperature: 60°C



AI-903020



### DOUBLE CHECK VALVES - ECOFIL®

Ref no	Size	Connections	Pressure
AI-903215	15mm	Compression	10 bar
AI-903222	22mm	Compression	10 bar
AI-903228	28mm	Compression	10 bar

#### SPECIFICATION

- Double check valve with compression ends
- Dezincification resistant brass alloy
- Nickel plated finish to body
- Max working pressure: 10 bar
- Max working temperature: 60°C



AI-903215



### DOUBLE CHECK VALVES

Ref no	Size	Connections	Pressure
AI-05794940	3/4"	M x F BSP	15 bar

Altecnic double check valves are used to prevent the risk of backflow and back siphonage contamination in domestic dwellings, public and commercial buildings. The valves should be installed close to the water outlet such as taps, basin taps, showers and toilets to prevent back siphonage contamination to the water supply, should a mains supply pipe burst.

#### SPECIFICATION

- Test pressure: 15 bar
- Max working pressure: 10 bar
- Min working pressure: 0.2 bar
- Max working temperature: 60°C
- Conforms to: BS EN 13959



AI-05794940



BACKFLOW PREVENTION

A-123-2401 CST



ISOLATION C/W DOUBLE CHECK VALVE

Ref no	Size	Connections	Pressure
A-123-2401 CST	15mm	Compression x Spigot	10 Bar

SPECIFICATION

- Max operating pressure: 10 bar
- Max operating temperature: 85°C



124-6030 CST



DCV ISOLATION & STRAINER

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



303615



DOUBLE CHECK VALVE COMPLETE WITH ISOLATOR

Ref no	Size	Connections	Pressure
303615	15mm	Compression	10 bar

SPECIFICATION

- Double check valve with compression ends
- Dezincification resistant brass alloy
- Nickel plated finish to body
- Max working pressure: 10 bar
- Max working temperature: 60°C



123-1101



SHOWER DOUBLE CHECK VALVE

Ref no	Size	Connections	Max working pressure
123-1101	½"	M x F BSP	10 bar

SPECIFICATION

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



NEW

BACKFLOW PREVENTION

COMBINED ISOLATION, DOUBLE CHECK VALVE & STRAINER

Ref no	Size	Connections	Description
119-1005 CST	½"	F BSP	Red Handle DCV Combi Valve
119-1006 CST	½"	F BSP	Blue Handle DCV Combi Valve
119-1007 CST	¾"	F BSP	Red Handle DCV Combi Valve
119-1008 CST	¾"	F BSP	Blue Handle DCV Combi Valve

The combined isolation, strainer and double check valve is the ideal compact valve to provide backflow prevention to the water supply.

SPECIFICATION

- Max working pressure: 10 bar
- Min inlet pressure: 0.1 bar
- Max continuous temperature: 85°C



119-1007 CST



119-1008 CST



COMBINED ISOLATION, STRAINER & DOUBLE CHECK VALVE

Ref no	Size	Connections	Description
119-1003	½"	F x Compression	Red Handle DCV Combi Valve
119-1004	¾"	F x Compression	Blue Handle DCV Combi Valve

The combined isolation, strainer and double check valve is the ideal compact valve to provide backflow prevention to the water supply.

SPECIFICATION

- Max working pressure: 10 bar
- Min inlet pressure: 0.1 bar
- Max continuous temperature: 85°C



119-1003



119-1004





BACKFLOW PREVENTION

AL-400010



AP-400012



128-2001 CST



TUNDISHES

Ref no	Size	Connections	Body	Description
AL-400010*	15mm x 22mm	Compression x Compression	Straight	Plastic with plastic nuts
AP-400011*	22mm x 28mm	Compression x Compression	Straight	Plastic with plastic nuts
AP-400012*	15mm x 22mm	Compression x Compression	Angled	plastic with plastic nuts
128-2001 CST*	1" x 1¼"	F x F BSP	Straight	Mild steel
128-2003 CST	1½" x 2"	F x F BSP	Straight	Mild steel
128-2004 CST*	2" x 2½"	F x F BSP	Straight	Mild steel
128-2005 CST	2½" x 3"	F x F BSP	Straight	Mild steel

SPECIFICATION

- Suitable for use where air gap or air break is required in sealed or unvented systems.



AUTOMATIC AIR VENTS

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

SPECIFICATION

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



502649



502420



502730

DISCAL AIR AUTOMATIC AIR VENTS

Ref no	Size	Connections	Pressure	Temperature
551004	½"	F BSP	Discharge 10 bar	Max 110°C

SPECIFICATION

- Max percentage of glycol: 50%
- Max working pressure: 10 bar
- Max discharge pressure: 10 bar
- Temperature range: 0 - 110°C



551004

FILLING LOOPS

CA-900000



109-8001



ROBOKIT SEALED SYSTEM KITS

Ref no	Size	Description
CA-900000	15mm	½" sealed system kit (for 8 litre to 24 litre) with tapered vessel connection.
CA-900001	15mm	Filling loop, safety relief valve w/gauge, manifold fitting.
CA-100000	15mm	Filling loop, safety relief valve w/gauge, manifold fitting.
CA-100085	15mm	Filling loop, safety relief valve (remote from Robokit), pressure gauge, mounting bracket, manifold fitting.
109-7001	15mm	Robokit essentials sealed system kit
109-8001	15mm	Robokit premium sealed system kit

SPECIFICATION

- Sealed system filling kit comprising: filling loop, safety relief valve complete with gauge, mounting bracket to suit up to 25 litre capacity and manifold fitting
- Water regulations G24.1 and 24.2 compliant filling loop

Please note: sealed system kits do not include vessel

CA-300611



CA-300001



ALT-ST0035



FILLING LOOPS

Ref no	Size	Description
CA-300001	15mm	Robofil auto filling loop
CA-300606	15mm	Ecofil filling loop (G24 approved) *
CA-300611	15mm	Ecofil+ filling loop, cap and collar (G24 approved) *
J1-300608	15mm	Robofil filling loop (as used in Robokit) *
ALT-ST0035	15mm	Filling loop with built-in gauge
YU-JQAL304	15mm	Cap, collar & washer

Used to fill sealed systems from the mains cold water.

SPECIFICATION

- Approved flexible hoses complete with check valves
- Comply with water regulations and use WRAS approved components \* Water regulation G24.1 and 24.2 compliant where indicated



Y PATTERN STRAINERS

AI-595022



Y PATTERN STRAINERS

Ref no	Size	Connections
AI-595015	15mm	Compression
AI-595022	22mm	Compression
AI-595028	28mm	Compression
AI-500015	½"	F x F BSP
AI-500022	¾"	F x F BSP
AI-500025	1"	F x F BSP
AI-500031	1¼"	F x F BSP
AI-500038	1½"	F x F BSP
AI-500050	2"	F x F BSP
AI-500065	2½"	F x F BSP
AI-500075	3"	F x F BSP
AI-500100	4"	F x F BSP

The Altecnic range of Y pattern strainers is designed for use within both domestic and commercial applications.



SPECIFICATION

- Max working pressure: 10 bar
- Max working temperature: 120°C
- Filter rating: 400 microns for the following product: 15mm, 22mm, 28mm, ¾" ½", ¾" and 1"
- Filter rating: 470 microns for the following products: 1¼" and 1½"
- Filter rating: 530 microns for the following products: 2", 2½", 3" and 4"

GAUGES

WI-557104



PRESSURE GAUGES 50MM Ø DIAL

Ref no	Size	Connections	Pressure
WI-557104	50mm Ø dial	¼" back connection	0 - 4 bar
WI-557106	50mm Ø dial	¼" back connection	0 - 6 bar
WI-557204	50mm Ø dial	¼" bottom connection	0 - 4 bar
WI-557304	50mm Ø dial	¼" bottom connection	0 - 4 bar
WI-557306	50mm Ø dial	¼" bottom connection	0 - 6 bar
WI-557310	50mm Ø dial	¼" bottom connection	0 - 10 bar

SPECIFICATION

- 50mm dial, ABS black case with red pointer
- ¼" BSP connection
- Working temperature: -20°C to +80°C



WI-557410



PRESSURE GAUGES 63MM Ø DIAL

Ref no	Size	Connections	Pressure
WI-557410	63mm Ø dial	¼" back connection	0 - 10 bar

SPECIFICATION

- 63mm dial, ABS black case with red pointer
- ¼" BSP connection
- Working temperature: -20°C to +80°C



503040



TEMPERATURE AND PRESSURE GAUGES

Ref no	Size	Connections	Pressure	Temperature
503040	80mm Ø dial	½" back connection	0 - 4 bar	0-120°C
503060	80mm Ø dial	½" back connection	0 - 6 bar	0-120°C
503140	80mm Ø dial	½" bottom connection	0 - 4 bar	0-120°C
503160	80mm Ø dial	½" bottom connection	0 - 6 bar	0-120°C

SPECIFICATION

- ½" central back connection
- With shut-off pocket
- Ø 80 mm
- Accuracy class: - temperature gauge UNI 2 - pressure gauge UNI 2,5

GAUGES

TEMPERATURE GAUGES

Ref no	Size	Connections	Probe	Temperature
688000	80mm Ø dial	½" back connection	45mm probe length	0-120°C
688010	80mm Ø dial	½" back connection	100mm probe length	0-120°C
688100	80mm Ø dial	½" bottom connection	45mm probe length	0-120°C



688000

SPECIFICATION

- ½" central back connection
- With pocket
- Ø 80 mm
- Accuracy class: UNI 2

DIGITAL HAND HELD PRESSURE GAUGE

Ref no	Description
PVADG	Digital hand held pressure gauge



PVADG



**altecnic**

For more information on the full range of Altecnic Products, visit **[www.altecnic.co.uk](http://www.altecnic.co.uk)**

or contact us on  
**+44(0)1785 218 200**  
or email  
**healthcare@altecnic.co.uk**



**We have a domestic guide and commercial guide available.**

To purchase any products in this brochure, please visit your local plumbers merchant.

Use the handy  
store locator tool  
on our website



## General information

### Office hours:

Monday to Friday 8.30am - 5.00pm.

### Prices:

Prices are exclusive of VAT, and are subject to change without notice.

All prices displayed are recognised as list.

### Terms:

A copy of Altecnic's terms and conditions is available on request.

### Property of goods:

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

### Delivery:

Carriage paid 3 day service, UK mainland only.  
(Minimum order value of £100 applies or £11.50 small order charge applies.)

## Customer Care Notice

Full details of Altecnic's Returns Policy are available at [www.altecnic.co.uk](http://www.altecnic.co.uk).



INVESTORS  
IN PEOPLE | Silver



## Altecnic Ltd - CALEFFI group

Mustang Drive, Stafford, Staffordshire ST16 1GW

T: 01785 218200 F: 01785 218201

E: [sales@altecnic.co.uk](mailto:sales@altecnic.co.uk)

Registered in England No: 2095101

[altecnic.co.uk](http://altecnic.co.uk)

HEA-BOOK 22

