



# WE ARE INTA.

RENEWABLES. PLUMBING AND HEATING. COMMERCIAL. SHOWERING.

inta

PRODUCT GUIDE. EDITION 5

 PROUD TO BE A LEADING BRITISH BRAND

## GENERAL INFORMATION

### OFFICE HOURS

Monday to Friday 8.30am to 5.00pm.

### TERMS

A copy of Intatec's terms and conditions is available on the website [www.intatec.co.uk](http://www.intatec.co.uk) or by request.

### PROPERTY OF GOODS

Until full payment is received, all goods supplied remain the property of Intatec Limited.

### ORDERING

Carriage paid if order value over £100.

Small order charge of £10 applied to all orders under £100.

### DELIVERY

Carriage paid 1-3 day service, UK mainland only.

Please enquire at time of ordering.

## WARRANTY

### RENEWABLES:

Unless stated the guarantee period for all renewables products published in this brochure is 2 years and is limited to spare parts or replacements.

### PLUMBING & HEATING:

Unless stated the guarantee period for all plumbing and heating products published in this brochure is 2 years and is limited to spare parts or replacements.

### COMMERCIAL COLLECTION:

Unless stated the guarantee period for all commercial collection products published in this brochure is 1 year and is limited to spare parts or replacements.

### INSPIRATION:

Unless stated the guarantee period for all Inspiration collection products published in this brochure is 5 years and is limited to spare parts or replacements.

\*Replacement products or replacement parts are available in the unlikely event of a manufacturing fault occurring. Liability does not cover consequential loss or damage.



SCAN THE CODE OR VISIT  
**INTATEC.CO.UK**

## FOR ON THE SPOT HELP WITH:

- Problem solving
- Frequently asked questions
- Product information
- Product updates
- Product warranty registration



## INTATEC IS A MAJOR SUPPLIER TO COMPANIES WHO EXPECT TO RECEIVE QUALITY PRODUCTS AND EXCEPTIONAL SERVICE.

We are pleased to introduce our new combined catalogue featuring our extensive Plumbing, Heating & Renewables range and Commercial collection. From thermostatic radiator valves and expansion vessels to infrared touch free taps and even domestic and commercial showering, Inta has the solution and stock to fulfill your requirements. The new combined catalogue does not feature prices and is intended to be used with the latest Intatec price list.

Intatec Limited are approved under the terms of the scheme for Management Systems to ISO 14001, ISO 9001 and ISO 45001.

## OUR COMMITMENT IS TO SEARCH FOR PRODUCTS THAT CAN MAKE A DIFFERENCE IN EFFICIENCY AND COST REDUCTION, BOTH NOW AND IN THE FUTURE.





# inta

## RENEWABLES

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**FOR MORE INFORMATION  
ON OUR RENEWABLES  
RANGE PLEASE SCAN**





## THE MOST RELIABLE ANTI-FREEZE VALVE

Inta Zero Anti-Freeze Valves have been specifically designed to quickly and accurately react to the water temperature in the heat pump circuit and do not need the influence of the ambient temperature to operate.

### PREVENTING THE INFLUENCE OF AMBIENT TEMPERATURES

The Inta Zero has been designed and engineered to avoid negative influences from low ambient temperatures by directly positioning the element in the system water flow, permitting accurate system discharge only when it is truly needed.

### PROTECTION FROM SYSTEM DEBRIS

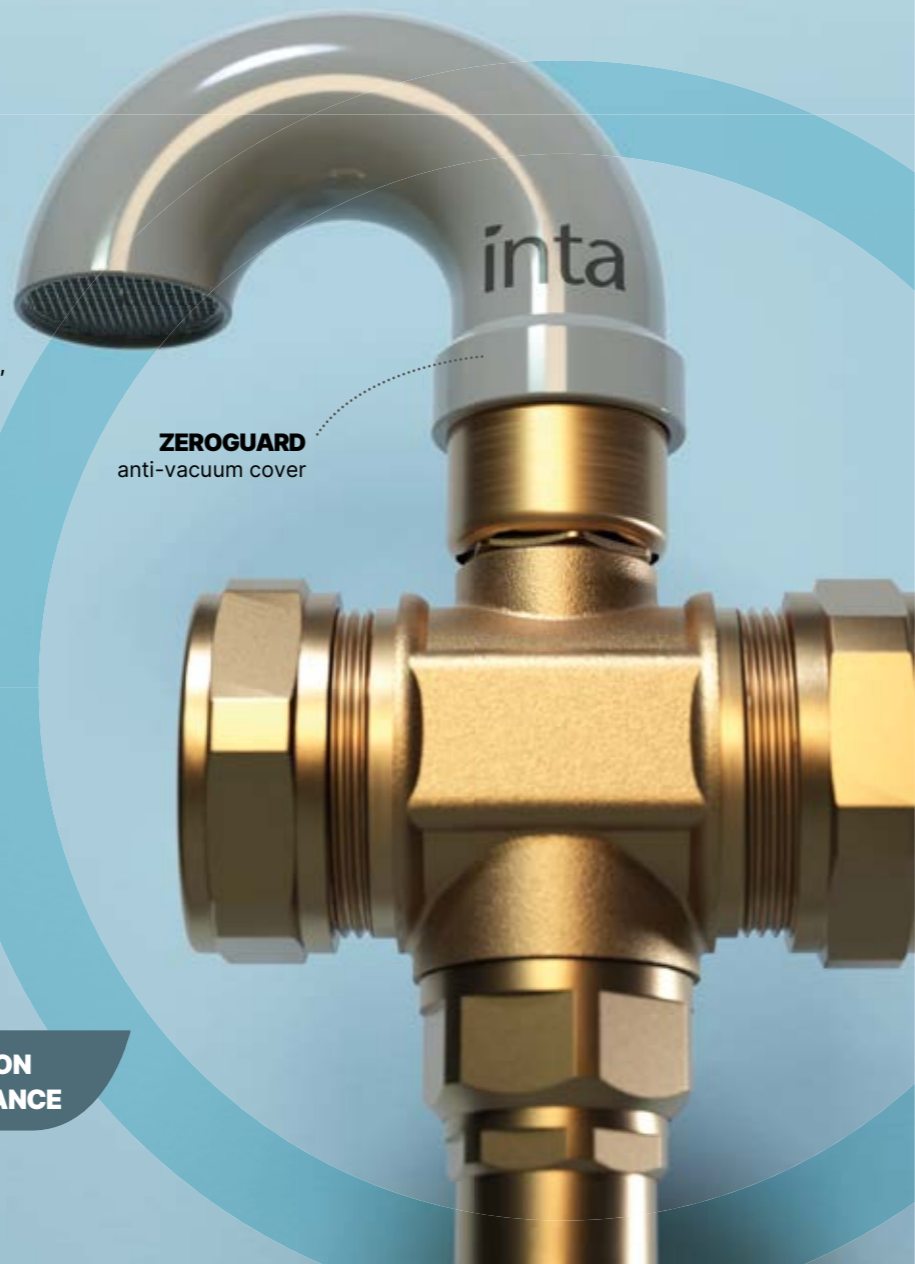
A protective ring has been included in the construction to prevent system debris from clogging the operation of the valve.

### OPERATING WHEN NEEDED

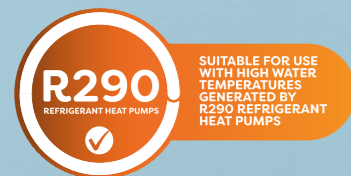
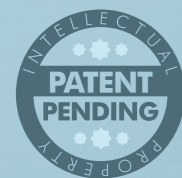
Double O-rings and reduced surface friction treatment on the operating member also ensure correct operation and reliability even after years of non-movement.

### TECHNICAL SPECIFICATION

- Maximum Inlet Pressure (Static): 10 Bar
- Medium: Water
- Sensitivity: +/-1°C
- Opening Temperature: 3°C
- Closing Temperature: 4°C
- Working Temperature Range: 0 to 80°C
- Ambient Temperature Range: -30 to 60°C
- Maximum Discharge Flow Rate at 3 Bar: 1.5 L/H
- Kv: ZERO001 (55m³/h), ZERO114 (70m³/h), ZERO28 (64m³/h), ZERO35(70m³/h), ZERO1SW (33m³/h), ZERO14SW (52m³/h), ZERO128SW (33m³/h), ZERO11435SW (52m³/h), ZERO112 (112m³/h)



**ZEROGUARD**  
anti-vacuum cover



DATA SHEETS, INSTALLATION  
INSTRUCTIONS & MAINTENANCE

### INTA ZERO ANTI-FREEZE VALVES

CODE	DESCRIPTION	BOX QTY
ZERO28	Inta Zero - Anti-freeze valve 28mm	1
ZERO28ZG	Inta Zero - Anti-freeze valve 28mm with Zero guard	1
ZERO35	Inta Zero - Anti-freeze valve 35mm	1
ZERO35ZG	Inta Zero - Anti-freeze valve 35mm with Zero guard	1
ZERO001	Inta Zero - Anti-freeze valve 1" male	1
ZERO001ZG	Inta Zero - Anti-freeze valve 1" male with Zero guard	1
ZERO114	Inta Zero - Anti-freeze valve 1 1/4" male	1
ZERO114ZG	Inta Zero - Anti-freeze valve 1 1/4" male with Zero guard	1
ZERO112	Inta Zero - Anti-freeze valve 1 1/2" male	1
ZERO1SW	Inta Zero - Anti-freeze valve 1" male x 1" female swivel	1
ZERO1SWZG	Inta Zero - Anti-freeze valve 1" male x 1" female swivel with Zero guard	1
ZERO14SW	Inta Zero - Anti-freeze valve 1 1/4" male x 1 1/4" female swivel	1
ZERO14SWZG	Inta Zero - Anti-freeze valve 1 1/4" male x 1 1/4" female swivel with Zero guard	1
ZERO128SW	Inta Zero - Anti-freeze valve 1" x 28mm swivel	1
ZERO128SWZG	Inta Zero - Anti-freeze valve 1" x 28mm swivel with Zero guard	1
ZERO11435SW	Inta Zero - Anti-freeze valve 1 1/4" x 35mm swivel	1
ZERO11435SWZG	Inta Zero - Anti-freeze valve 1 1/4" x 35mm swivel with Zero guard	1
ZEROGUARD	Anti-freeze valve guard	1



## ANTI-FREEZE VALVE INSTALLER PACKS

Building Regulations Part L states that all external pipework on an Air Source Heat Pump System must be fully insulated to reduce heat loss and maintain system efficiency. Inta Zero Anti-Freeze Valves will still maintain correct operation and discharge the water at the same temperature, even when a system is correctly insulated.

### WITHOUT INSULATION

Water discharge temperature = 2.49°C  
Time taken to begin discharge = 1 hour 4 mins

### WITH INSULATION

Water discharge temperature = 2.03°C  
Time taken to begin discharge = 4 hours 3 mins

### WARNING!

If the Inta Zero valves are insulated, then due care must be taken to ensure that all external pipework and fittings are fully and appropriately insulated and sealed. Failure to do so could prevent the proper operation of the Inta Zero valve resulting in colder areas of a system being damaged by freezing. The Anti-vacuum valve must be kept clear at all times, Intatec recommend using the ZEROGUARD anti-vacuum cover (inspected on annual service).



**DATA SHEETS, INSTALLATION INSTRUCTIONS & MAINTENANCE**

### INTA ZERO PROFESSIONAL INSTALLER PACKS

CODE	DESCRIPTION	BOX QTY
AFCOMPACT	Inta Zero - Anti-freeze 28mm professional installer pack	1
AFCOMPACT35	Inta Zero - Anti-freeze 35mm professional installer pack	1
AFCOMPACT1	Inta Zero - Anti-freeze 1" professional installer pack	1
AFCOMPACT114	Inta Zero - Anti-freeze 1 1/4" professional installer pack	1
AFCOMPACTSW	Inta Zero - Anti-freeze 1" swivel professional installer pack	1
AFCOMPACTSW35	Inta Zero - Anti-freeze 1 1/4" swivel professional installer pack	1

Professional installer packs contain:  
2 x Anti-freeze valves, 2 x Insulation, 2 x ZEROGUARD and 1 x Tube of Bond and Seal.



### HEAT PUMP INSTALLER PACKS

CODE	DESCRIPTION	BOX QTY
INHPKIT1	28mm Heat pump installer pack	1
INHPKIT2	1" Swivel heat pump installer pack	1
INHPKIT3	1 1/4" Swivel heat pump installer pack	1
INHPKIT114	35mm Heat pump installer pack	1

Heat Pump installer packs contain:  
2 x Heat pump ball valve, 2x Ball valve insulation, 2 x Inta Zero anti-freeze valve, 2 x Anti-freeze insulation, 2 x ZEROGUARD, 2 x Heat pump hose with elbow 500mm (Pack of 2), 2 x Adaptor and 1 x Tube of Bond and Seal.



### INSULATION FOR ANTI-FREEZE VALVE

CODE	DESCRIPTION	BOX QTY
INSULZERO28SW	Insulation for 1" Inta Zero - Anti-freeze valve	10
INSULZERO35SW	Insulation for 1 1/4" Inta Zero - Anti-freeze valve	10
INSULBOND	290ml Bond and Seal	24



### HEAT PUMP HOSES

Building Regulations Part L states that all external pipework on an Air Source Heat Pump System must be fully insulated to reduce heat loss and maintain system efficiency.

In systems where every watt counts, Inta's pre-insulated hoses have been designed for external use to prevent heat losses and to help maintain the COP and SCOP of the system, preventing losses of energy, contributing to an efficient system and preventing higher costs to run than expected.

The water-resistant finish prevents the insulation from absorbing water and moisture that could result in an unintended outcome of the insulation becoming a conductor for heat loss.

It's essential that all joints are bonded and sealed correctly to prevent any capillary traction occurring. The surface finish must be re-treated, the joints and seals inspected and resealed if necessary using Primary Pro Bond and Seal during an annual inspection to maintain the product performance.



DATA SHEETS, INSTALLATION  
INSTRUCTIONS & MAINTENANCE

#### HEAT PUMP HOSES

CODE	DESCRIPTION	BOX QTY
HPHOSE300	2 Pack 300mm Primary Pro pre-insulated hoses 1" female swivel x 28mm	1
HPHOSE300B	2 Pack 300mm Primary Pro pre-insulated hoses 1" female swivel elbow x 28mm	1
HPHOSE500	2 Pack 500mm Primary Pro pre-insulated hoses 1" female swivel x 28mm	1
HPHOSE500B	2 Pack 500mm Primary Pro pre-insulated hoses 1" female swivel elbow x 28mm	1
HPHOSE50035	2 Pack 500mm Primary Pro pre-insulated hoses 1 1/4" female swivel x 35mm	1
HPHOSE50035B	2 Pack 500mm Primary Pro pre-insulated hoses 1 1/4" female swivel elbow x 35mm	1
HPHOSE750	2 Pack 750mm Primary Pro pre-insulated hoses 1" female swivel x 28mm	1
HPHOSE750B	2 Pack 750mm Primary Pro pre-insulated hoses 1" female swivel elbow x 28mm	1
HPHOSE75035	2 Pack 750mm Primary Pro pre-insulated hoses 1 1/4" female swivel x 35mm	1
HPHOSE75035B	2 Pack 750mm Primary Pro pre-insulated hoses 1 1/4" female swivel elbow x 35mm	1

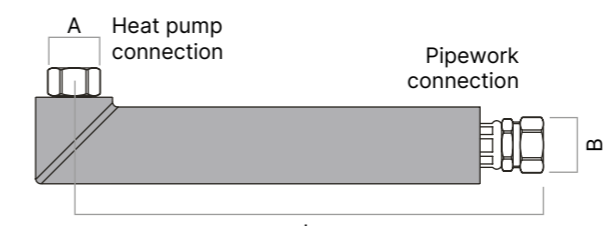
#### HOSE

Max inlet pressure (static): 10 Bar  
 Max inlet temperature: 90°C  
 Medium: Water, Water+Glycol up to 50%

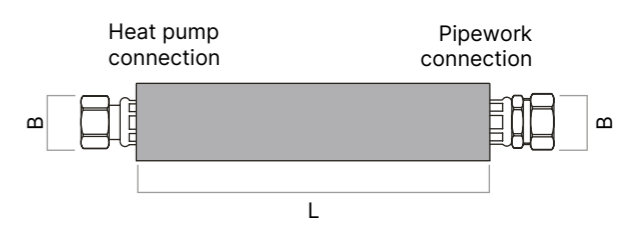
#### INSULATION

Wall thickness: 19mm +0/-3mm  
 Material: Treated closed cell polyethylene  
 Temperature range: -45°C to 105°C  
 Thermal conductivity:  $\lambda = 0.034 \text{ W/mk at } 0^\circ\text{C}$   
 Water vapour diffusion resistance:  $\mu \geq 39,300$

**THE INSULATION IS STRICTLY FOR EXTERNAL USE ONLY!**



CODE	A	B	L
HPHOSE300B	1"	28mm	300mm
HPHOSE500B	1"	28mm	500mm
HPHOSE50035B	1 1/4"	35mm	500mm
HPHOSE750B	1"	28mm	750mm
HPHOSE75035B	1 1/4"	35mm	750mm



CODE	A	B	L
HPHOSE300	1"	28mm	300mm
HPHOSE500	1"	28mm	500mm
HPHOSE50035	1 1/4"	35mm	500mm
HPHOSE750	1"	28mm	750mm
HPHOSE75035	1 1/4"	35mm	750mm

## MAGNETIC HEAT PUMP FILTER

The IntaKlean HP Magnetic Air Source Heat Pump Filter, featuring Inta's unique direct multi-layered non-ferrous fine filter, is the ideal solution to prevent costly and unnecessary system breakdowns caused by both magnetic and non-ferrous particulates in air source heat pump systems.

As well as separating magnetic debris and trapped air in circulating system fluid, IntaKlean HP also includes a completely unique direct filter which contains a multi-layered Stainless Steel 300 micron fine gauze. The system debris is forced directly into the filter, breaking down the debris, which then precipitates to the base of the pot.

The remaining magnetic debris is drawn to the centre of the filter and captured by the 11,000 gauss rare earth neodymium magnet.

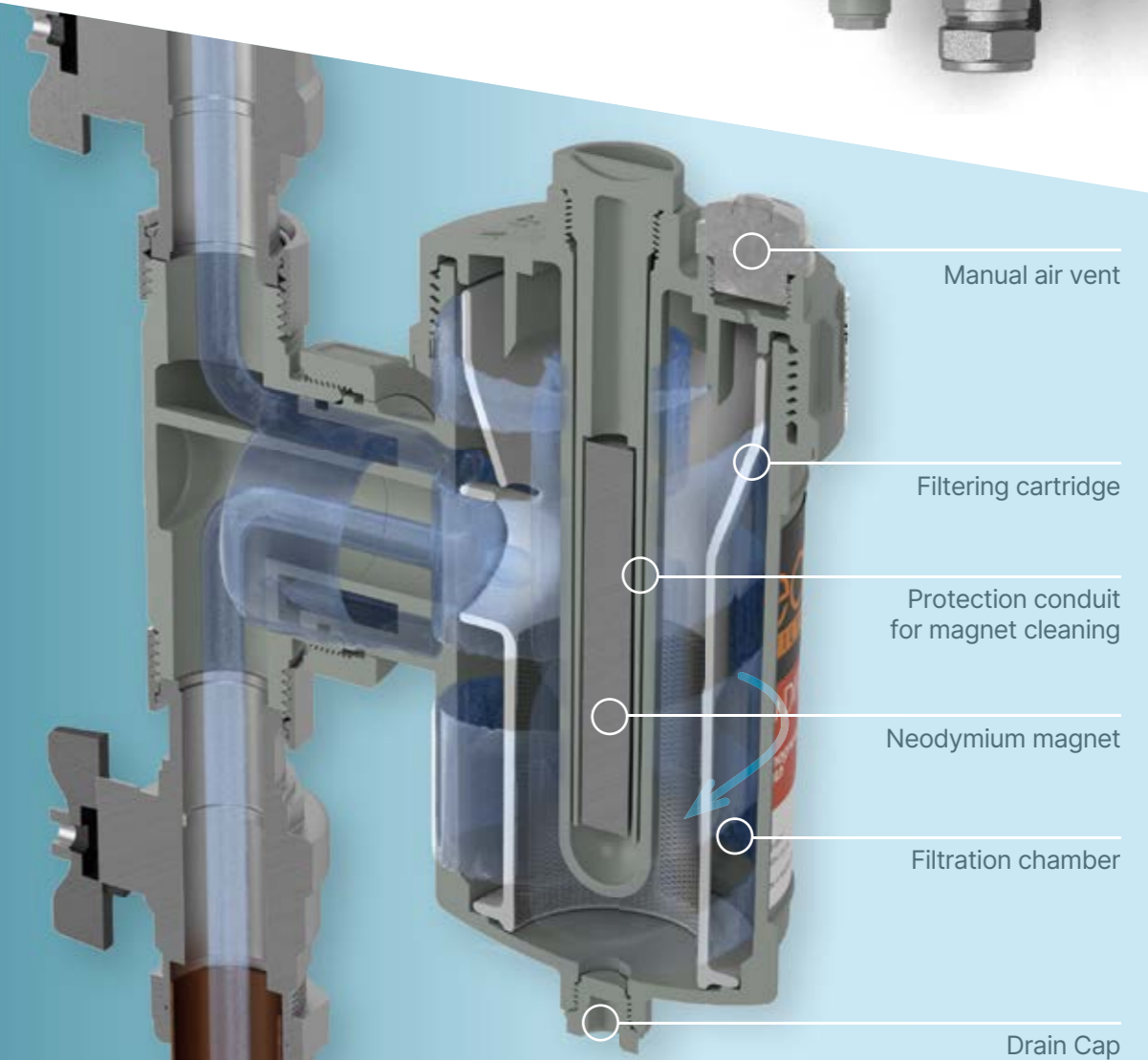


DATA SHEETS, INSTALLATION INSTRUCTIONS & MAINTENANCE

### INTAKLEAN HP MAGNETIC HEAT PUMP FILTER

CODE	DESCRIPTION	BOX QTY
IKHPMF28	IntaKlean HP 28mm magnetic heat pump filter	1
IK28INSU	Insulation for the IntaKlean HP	1

- Actively filters magnetite and non-ferrous system debris
- Unique direct non-ferrous system filter forces system debris directly into the filters core to capture as much system debris as possible
- Multi-layered filter incorporating a 300 micron fine particle filter and a 800 micron mesh filter
- Low profile drain valve
- Fully removable 11,000 gauss magnet - service the system live
- 360° rotation for ease of servicing
- Full bore isolation valves
- Manual air vent
- Maximum temperature - 90°C
- Maximum pressure - 4 Bar
- Kv - 8.27 m<sup>3</sup>/h



## MAGNETIC HEAT PUMP FILTER WITH 28MM REDUCING SETS

The new IntaKlean HP XL features a more efficient direct filtration design with higher flow rates, built-in isolation and greater flexibility for the installer.

The direct filter forces the fluid across the mesh of the filter before entering the filter chamber. In this chamber, the mesh cartridge and strong neodymium magnet help to capture and breakdown the magnetite and non-ferrous debris from the system.

The gravitational force pulls the non-ferrous debris to the base of the pot, allowing it to be easily drained while any air passing through the filter floats to the top, where the manual air vent can purge it from the system.



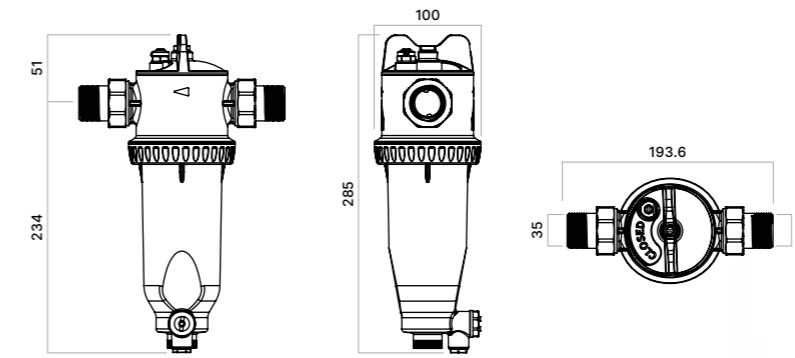
DATA SHEETS, INSTALLATION INSTRUCTIONS & MAINTENANCE



### INTAKLEAN HP HEAT PUMP FILTER WITH 28MM REDUCING SETS

CODE	DESCRIPTION	BOX QTY
IK35MP1	IntaKlean 35mm heat pump filter with 28mm reducing sets	1
IK35INSU	IntaKlean 35mm insulation jacket for IK35MP1 filter	1

- Actively filters magnetite and non-ferrous system debris
- Direct filter forces fluid through the mesh cartridge before entering the filter chamber to catch as much system debris as possible
- Supplied with 28mm reducing set
- Fully removable magnet
- Low profile drain valve
- Manual air vent
- Maximum temperature - 90°C
- Maximum pressure - 6 Bar
- 300 Micron mesh filter
- Kv: 17.3m<sup>3</sup>/h



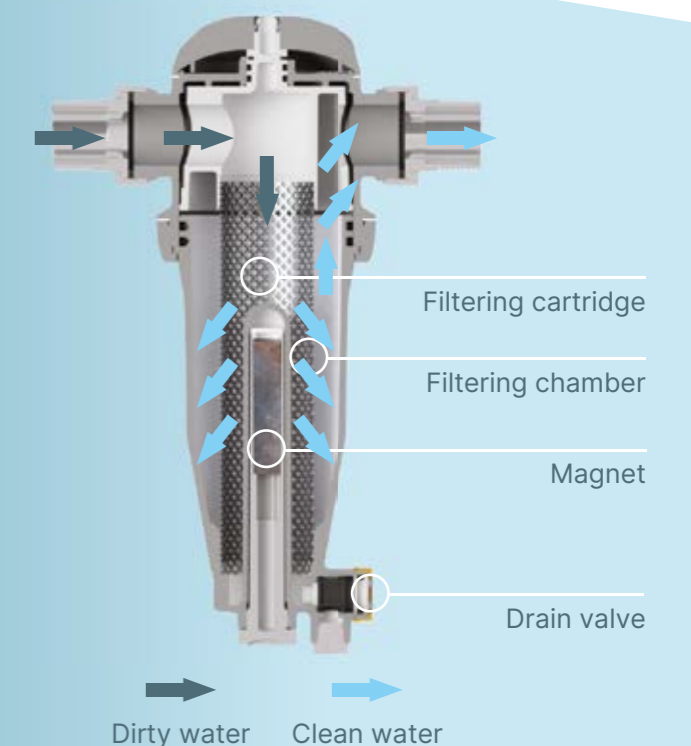
### OPERATING PRINCIPLE

The direct filter forces the fluid across the mesh of the filter before entering the filter chamber. In this chamber the mesh cartridge and strong neodymium magnet help to capture and breakdown the magnetite and non-ferrous debris from the system.

The gravitational force pulls the non ferrous debris to the base of the pot, allowing it to be easily drained while any air passing through the filter floats to the top, where the manual air vent can purge it from the system.

### CONSTRUCTION FEATURES

Body:	Polyamide PA66 +30% FV
Filtering cartridge:	AISI 304 Stainless Steel
Hydraulic seals:	Elastomer
Magnet:	Neodymium REN35 B = 11.000 Gauss

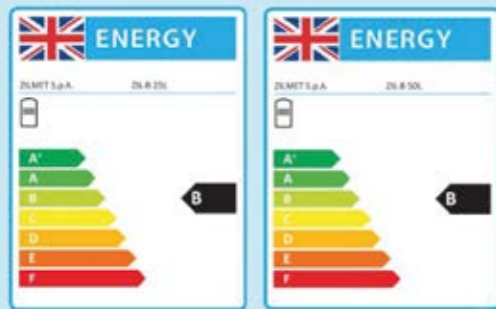


### INSULATED BUFFER VESSELS

Inta Zil-B maintains a minimum volume of water 'in circuit' during a period of low heating demand. High-efficiency thermal insulation minimises heat loss and helps retain surplus energy.

**ZIL-B BUFFER VESSELS ARE MANUFACTURED TO THE HIGHEST QUALITY AND STANDARD, TO ENSURE THEY MAINTAIN OPTIMUM SYSTEM PERFORMANCE, HELPING TO ENHANCE THE HEAT PUMPS OVERALL EFFICIENCY.**

- Available in 12,18, 25, 50, 80 & 100 litre capacity
- Provides a bypass route to maintain the minimum volume through the heat pump if heating zones have shut down.
- Reduces compressor pump short cycling, improving the operating efficiency of heat pumps.
- Heat efficient for the heat pump defrost cycle
- An adjustable wall bracket engineered to accommodate surface irregularities during installation, ensuring secure and level mounting
- Premium polyurethane foam insulation with minimal heat loss
- 5 years manufacturer's warranty
- Improves the operating efficiency of heat pumps
- Additional connections for venting and drainage
- Additional leg accessory available



(B Rated efficiency applies to 25 & 50L only)

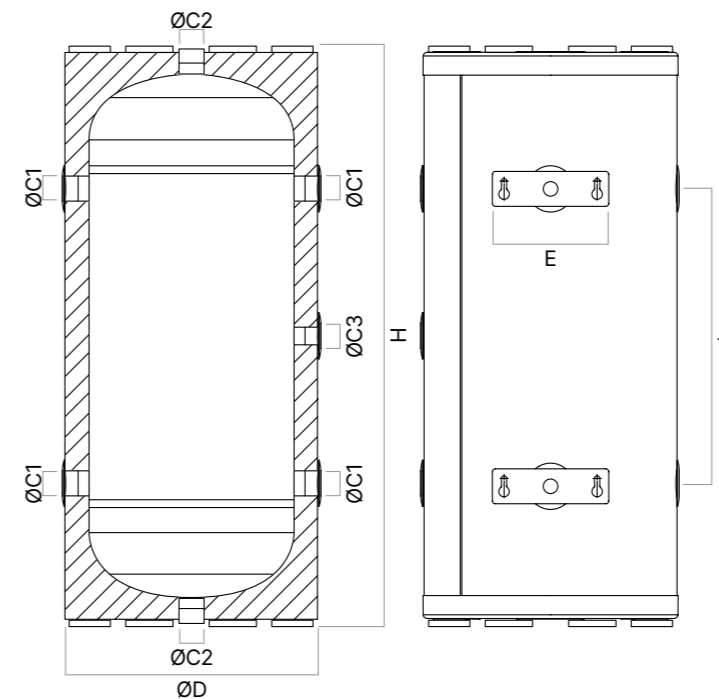


#### BUFFER VESSELS

CODE	DESCRIPTION
BUFF12	12 Litre wall / floor-mounted buffer vessel
BUFF18	18 Litre wall / floor-mounted buffer vessel
BUFF25	25 Litre wall / floor-mounted buffer vessel
BUFF50	50 Litre wall / floor-mounted buffer vessel
BUFF80	80 Litre floor-mounted buffer vessel
BUFF100	100 Litre floor-mounted buffer vessel
BUFFLEG	Buffer vessel legs

Max inlet pressure (static): 4 Bar  
 Max inlet temperature: 95°C  
 Fluid type: Water  
 Glycol mix: up to 50%  
 Material: Mild Steel  
 Insulation thickness: 41mm

Note: Buffer vessels are supplied with wall support brackets



Volume	C1	C2	C3	H	L	D	E
12 L	1"	3/4"	-	356	104	Ø360	160
18 L	1"	3/4"	-	441	189	Ø360	160
25 L	1"	3/4"	-	925	480	Ø290	160
50 L	1"	3/4"	-	1008	580	Ø360	160
80 L	1 1/4"	1 1/4"	1/2"	891	365	Ø469	160
100 L	1 1/4"	1 1/4"	1/2"	1071	545	Ø469	160

Note: 80 & 100L buffers include an additional 1/2" connection.

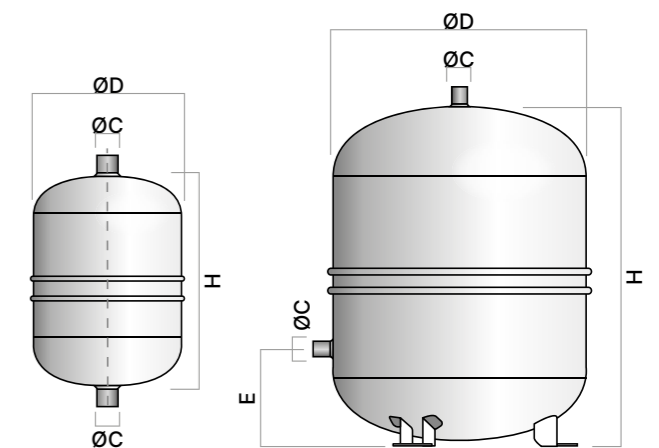


DATA SHEETS, INSTALLATION  
INSTRUCTIONS & MAINTENANCE

#### VOLUMISER VESSELS

CODE	CAPACITY	H	ØD	E	ØC
10000512	5 litres	270	160	-	3/4" G
Z1-11A0001255	12 litres	264	270	-	1" G
Z1-11A0001867	18 litres	349	270	-	1" G
Z1-11A0002467	24 litres	392	300	-	1" G
Z1-11A0003527	35 litres	367	380	135	1" G
Z1-11A0005047	50 litres	505	380	153	1" G

Max pressure: 10 Bar  
 Colour: White  
 Operating temperature: -10°C to 110°C  
 Shell: Carbon Steel

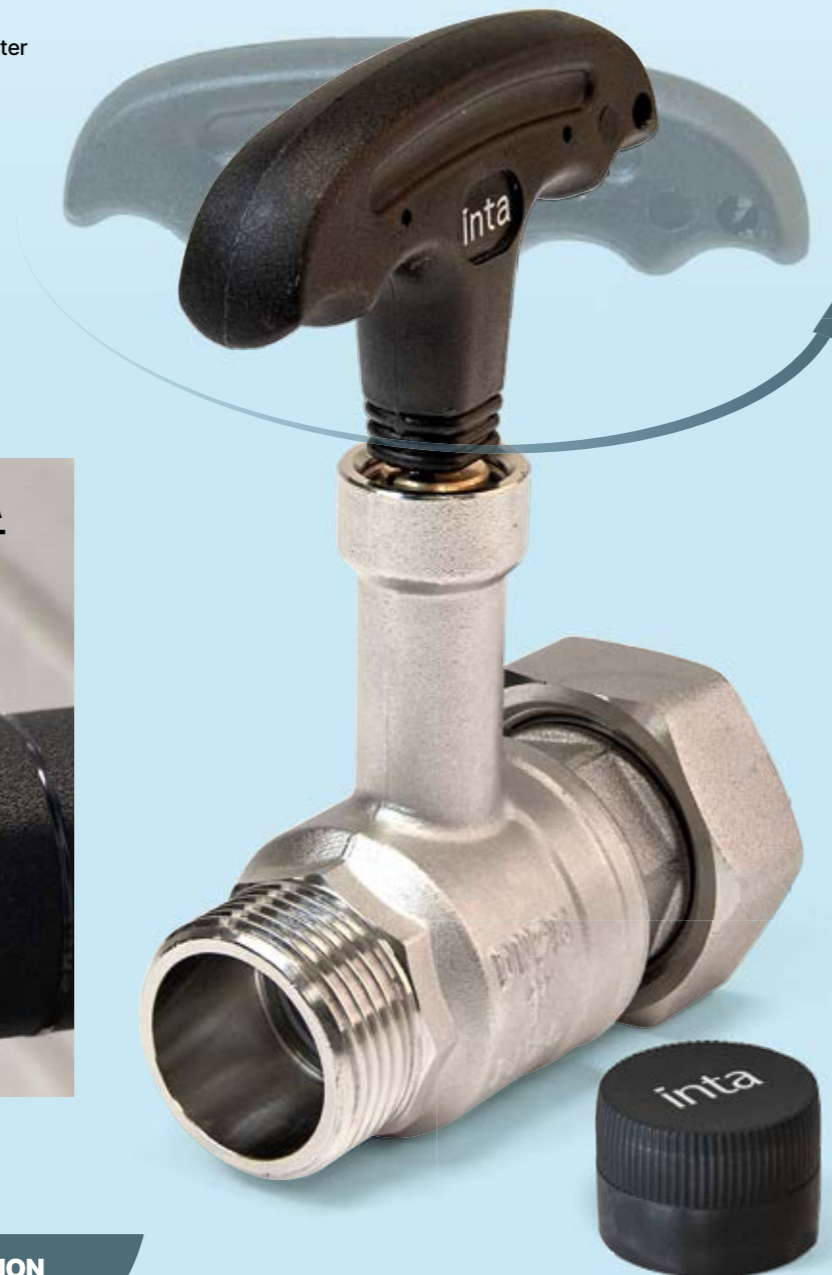


5 - 24 Litres

35 - 50 Litres

## EXTENDED EXTERNAL BALL VALVES

- Solid brass construction
- Pressure rating of PN25
- Working temperature range of -10 to 90°C
- ISO228 threads
- Variety of connections to suit all installations
- Fixed key type adjuster allows the ball valve to be fully insulated without affecting its operation
- Supplied with an adjustment tool
- Supplied with a dust cover to protect the adjuster



FULLY INSULATED WITH A DUST COVER TO PROTECT THE ADJUSTER



DATA SHEETS, INSTALLATION INSTRUCTIONS & MAINTENANCE

### BALL VALVES

CODE	DESCRIPTION	BOX QTY
HPBV11FS	1" Female swivel x 1" female swivel extended ball valve	4
HPBV11	1" Female swivel x 1" male flat face extended ball valve	4
HPBV28	1" Female swivel x 28mm extended ball valve	4
HPBV114FS	1 1/4" Female swivel x 1 1/4" female swivel extender ball valve	2
HPBV114X2	1 1/4" Female swivel x 1 1/4" male flat face extended ball valve	2
HPBV114	1 1/4" Female swivel x 1" male flat face extended ball valve	4
HPBV35	1 1/4" Female swivel x 35mm extended ball valve	2
HPADAP114X1	1" Male x 1 1/4" female heat pump adapter (pair)	4

HP Ball valves are supplied with adjustment key.



### BALL VALVES WITH FILTER

CODE	DESCRIPTION	BOX QTY
BVF28	28mm Ball valve with 500 micron filter cartridge	4
BVF35	35mm Ball valve with 500 micron filter cartridge	2
BVF01	1" Ball valve with 500 micron filter cartridge	4



### BALL VALVES K TYPE

CODE	DESCRIPTION	BOX QTY
TR15KBV	15mm Extended ball valve K type	8
TR22KBV	22mm Extended ball valve K type	5
TR28KBV	28mm Extended ball valve K type	5
TR35KBV	35mm Extended ball valve K type	3
TRBVKEY	Key for extended ball valves	1



### INSULATION

CODE	DESCRIPTION	BOX QTY
INSUL28BALLVALVE	Insulation for 28mm / 1" ball valve	10
INSUL35BALLVALVE	Insulation for 35mm / 1 1/4" ball valve	10
INSULBOND	290ml Bond and Seal	24

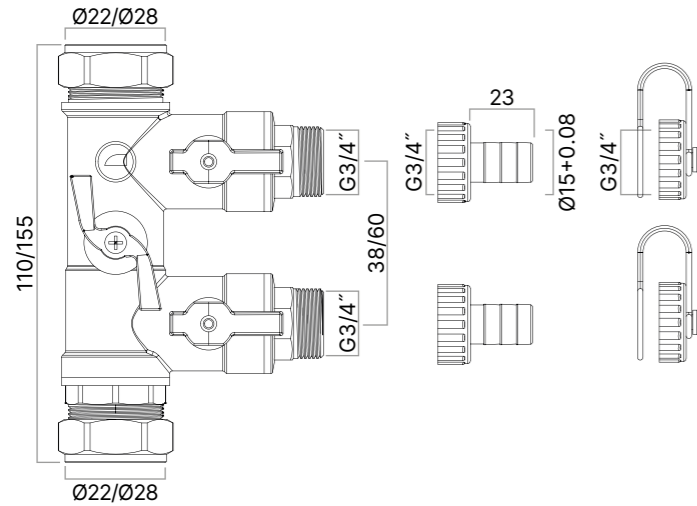


### FILL AND FLUSH VALVE

CODE	DESCRIPTION	BOX QTY
INFAF22	22mm Fill and flush valve	1
INFAF28	28mm Fill and flush valve	1



### DIMENSIONS



### TECHNICAL SPECIFICATION

Max Operating Temperature: 99°C  
 Min Operating Temperature: -5°C  
 Max Pressure (Static): 16 Bar  
 Medium: Water / Glycol up to 50%



DATA SHEETS, INSTALLATION INSTRUCTIONS & MAINTENANCE

### Y-PATTERN STRAINERS

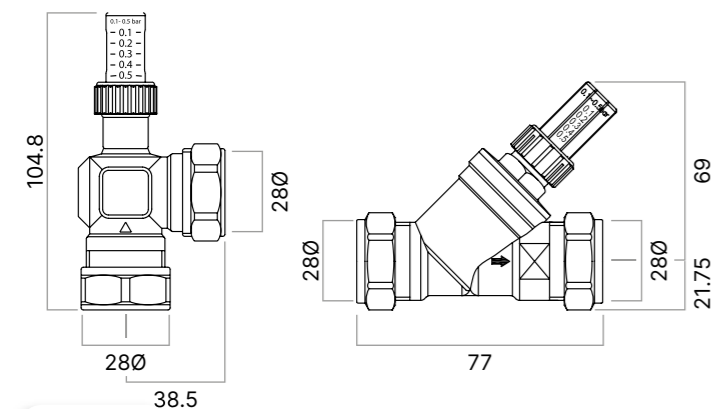
CODE	DESCRIPTION	BOX QTY
YPS085828800	28mm Y-pattern strainer (800 Micron)	6
YPS0858125800	1 1/4" F x F Y-pattern strainer (800 Micron)	3



### BY-PASS VALVES

CODE	SIZE	TYPE	SETTING RANGE	BOX QTY
ABPA28CP	28mm	angled	0.1 - 0.5 bar	1
ABPS28CP	28mm	straight	0.1 - 0.5 bar	1

### DIMENSIONS



### TECHNICAL SPECIFICATION

Min Inlet Pressure (Dynamic): 10 Bar  
 Max Inlet Temperature: 100 °C  
 Flow Capacity: 1 to 5m<sup>3</sup>/hour  
 Differential Pressure Range: 0.1 to 0.5 Bar



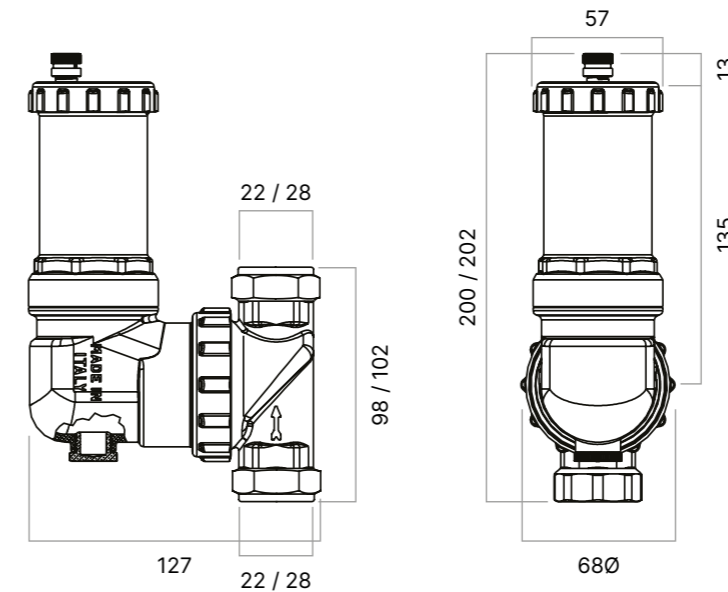
DATA SHEETS, INSTALLATION INSTRUCTIONS & MAINTENANCE



### INTA-VENT DE-AERATOR

CODE	DESCRIPTION	BOX QTY
IV22	22mm Inta-Vent auto air eliminator	1
IV28	28mm Inta-Vent auto air eliminator	1

### DIMENSIONS



The Inta-Vent de-aerator is the convenient in-line solution to the problems associated with trapped air in sealed systems.

Fluid enters the base of the Inta-Vent through a wound coil of Stainless Steel mesh. This generates a vortex within the filter body which encourages micro bubbles to form. These air bubbles combine and then rise to the top of the filter where they are then discharged by the air vent.



DATA SHEETS, INSTALLATION INSTRUCTIONS & MAINTENANCE

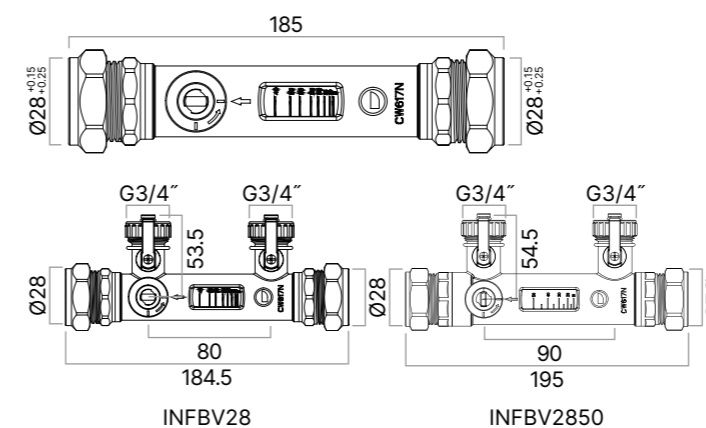
### FLOW BALANCING VALVES

CODE	DESCRIPTION	BOX QTY
INFSV2840	28mm Flow balancing valve 5-40ltr	1
INFSV2850	28mm Flow balancing valve 10-50ltr	1

### FLOW BALANCING VALVES WITH FILL AND FLUSH

CODE	DESCRIPTION	BOX QTY
INFBV28	28mm Flow balancing valve with fill and flush 5-40ltr	1
INFBV2850	28mm Flow balancing valve with fill and flush 10-50ltr	1

### DIMENSIONS



### TECHNICAL SPECIFICATION

Max Operating Temperature: 110°C  
 Min Operating Temperature: -20°C  
 Max Pressure (Static): 10 Bar  
 Medium: Water / Glycol up to 50%  
 Inlet Connections: 28mm Compression  
 Fill & Flush Connections: G3/4" BSP



DATA SHEETS, INSTALLATION INSTRUCTIONS & MAINTENANCE





# HYDRA HYBRID CONTROL UNIT

## CREATE THE ULTIMATE HYBRID HEATING SYSTEM

Inta Hydra is a new hybrid solution for homes which currently have a working combi-boiler installed. You can install an energy-efficient heat pump without removing your existing combi-boiler and without adding a hot water storage tank. Current hybrid system methods can prove to be expensive and require too much space.

When an Air Source Heat Pump cannot provide heat, the Inta Hydra allows the original combi-boiler to operate, providing constant heating, even during the coldest temperatures.

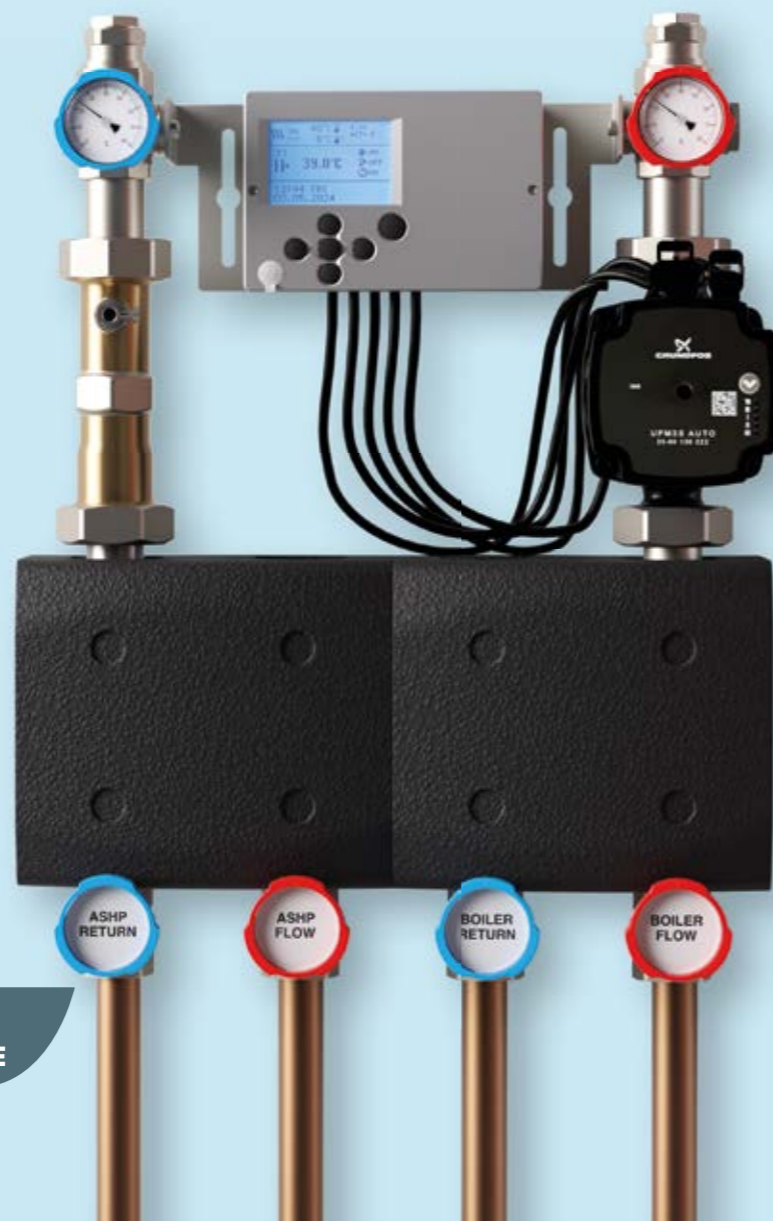
When the heating demand becomes greater than the heat pump can meet, the Hydra's programmable control monitor will, after a series of timed-out delays, revert to using the combi-boiler for heating the home.

It only does this when the heat pump is not delivering enough heat, and it doesn't go back to the combi-boiler just because it's cold outside.

**COST EFFECTIVE**  
Add to an existing heating system, rather than replacing a functioning boiler

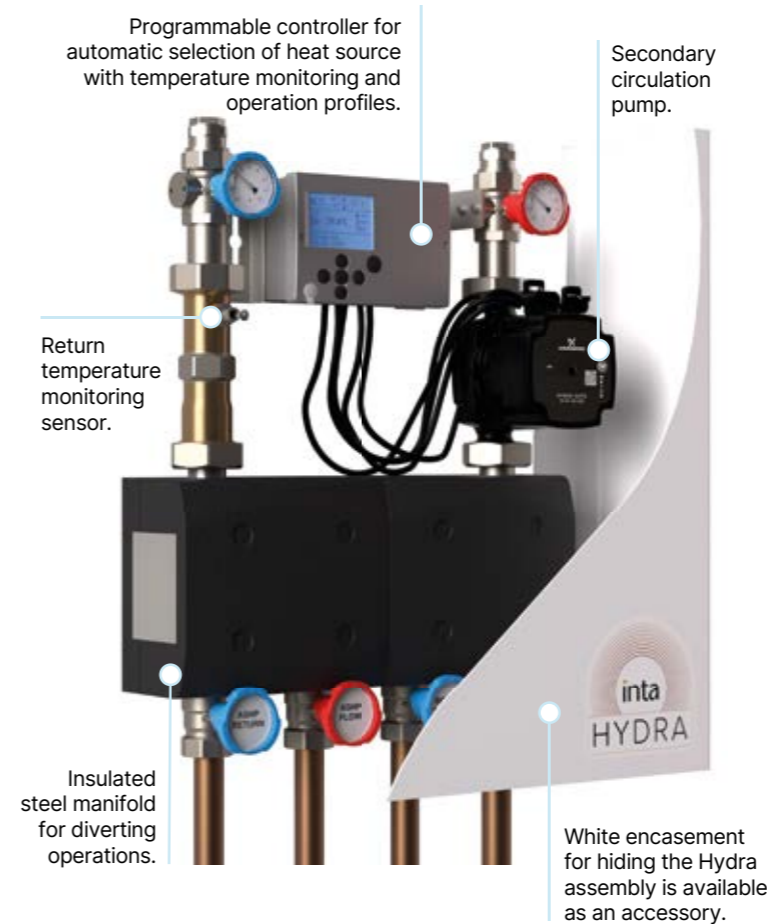
**SMART HYBRID CONTROL**  
Switches from ASHP to boiler to maintain heating supply only when necessary

**REQUIRES LITTLE SPACE**  
At just 50 x 50cm, it can be easily concealed within a small kitchen unit



## INTA HYDRA HYBRID CONTROL UNIT

CODE	DESCRIPTION
HCU0100-M	HYDRA CONTROL UNIT G1 - M Standard assembly, motorised valve for isolating the ASHP provided by the installer
HCU0100-A	HYDRA CONTROL UNIT G1 - A (WITH ACTUATED VALVE) Full flow actuated ball valve included



## CREATE AN EFFICIENT HYBRID SYSTEM FOR YOUR CUSTOMERS, WITHOUT NEEDING TO REPLACE THE FULL HEATING SYSTEM.

The electronic controller allows the installer to set the operation to match the operating COP (coefficient of performance) with 4 profiles.

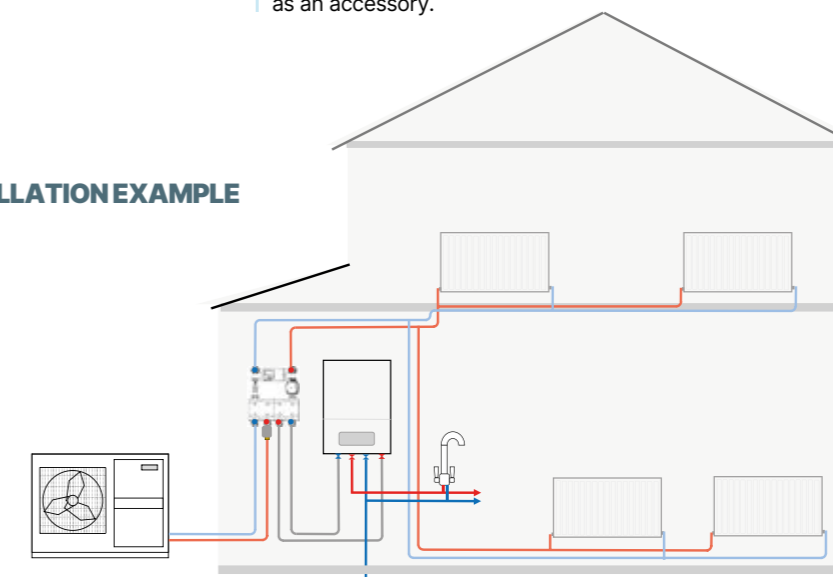
**PROFILE 1**  
The factory default, to BS EN 14511 return temperature of 40°C.

**PROFILE 2**  
For Low COP ASHP operation.

**PROFILE 3**  
For High COP ASHP operation.

**PROFILE 4**  
Allows a full 24-hour day on gas boiler room heating when demand is high, more suitable for older less well insulated properties.

## INSTALLATION EXAMPLE





# inta

## PLUMBING & HEATING

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FOR MORE INFORMATION ON  
OUR PLUMBING & HEATING  
RANGE PLEASE SCAN



## COMBINED HEATING VESSEL AND SEALED SYSTEM KIT

- Slimline compact design allows for installation where space is limited
- Compact all-in-one solution for sealed heating systems
- Fixed wall bracket permits left or right installation
- Unique 5-way connection provides the most flexible installation available
- 360° fully rotatable safety relief valve
- Complies fully with G24.1 & G24.2 of the water regulations
- Ideal for both new and retro-fit installations
- Compression joints allow direct connection to pipework



DATA SHEETS, INSTALLATION INSTRUCTIONS & MAINTENANCE

## COMBINED HEATING VESSEL AND SEALED SYSTEM KIT

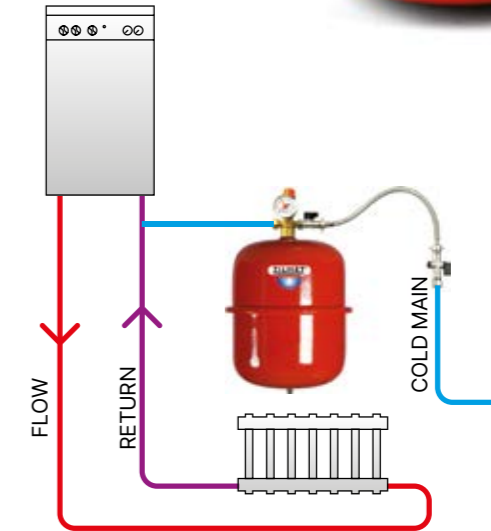
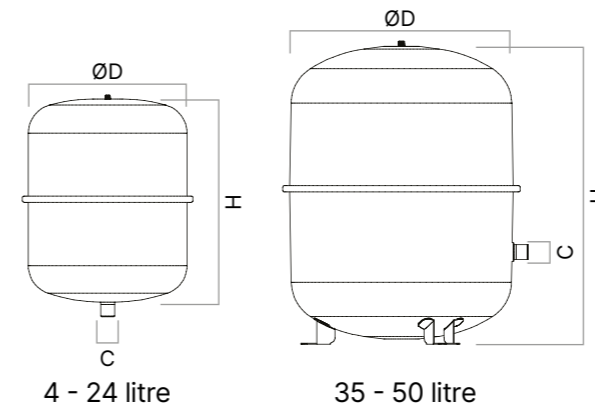
The Intafil sealed system kit is supplied with a filling loop, a double check valve with integral isolating ball valve, an isolating ball valve, a completely rotatable safety relief valve and pressure gauge.

### INTAFIL PLUS SEALED SYSTEM KIT AND WALL-MOUNTED HEATING VESSELS

CODE	ØD	H	C
IFP4	225	195	3/4"
IFP8	220	295	3/4"
IFP12	294	287	3/4"
IFP18	290	400	3/4"
IFP24	324	415	3/4"

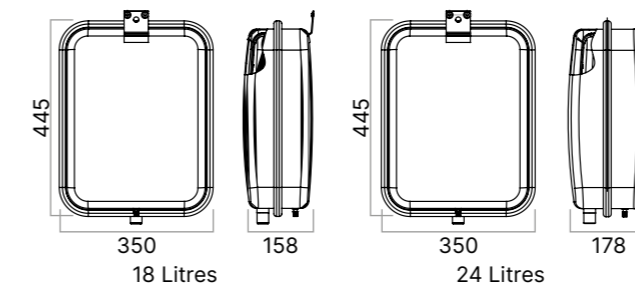
### INTAFIL PLUS SEALED SYSTEM KIT AND FLOOR-STANDING HEATING VESSELS

CODE	ØD	H	C
IFP35	404	408	3/4"
IFP50	407	530	3/4"



### INTAFIL SLIMLINE SEALED SYSTEM KIT AND WALL-MOUNTED HEATING VESSEL

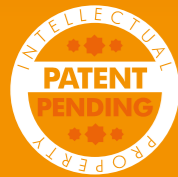
CODE	DESCRIPTION
IFS08	8 Litre Intafil "Slimline" sealed system kit and wall-mounted heating vessel
IFS12	12 Litre Intafil "Slimline" sealed system kit and wall-mounted heating vessel
IFS18	18 Litre Intafil "Slimline" sealed system kit and wall-mounted heating vessel
IFS24	24 Litre Intafil "Slimline" sealed system kit and wall-mounted heating vessel



# intafil COMBI

THE ALL-IN-ONE SOLUTION THAT COMBINES MULTIPLE ESSENTIAL COMPONENTS INTO A SINGLE, COMPACT AND TIME-SAVING ASSEMBLY.

INTAFIL COMBI ALLOWS YOU TO FILL A CENTRAL HEATING SYSTEM AND DRAIN THE EXPANSION VESSEL IN ONE EASY-TO-FIT MONOBLOCK

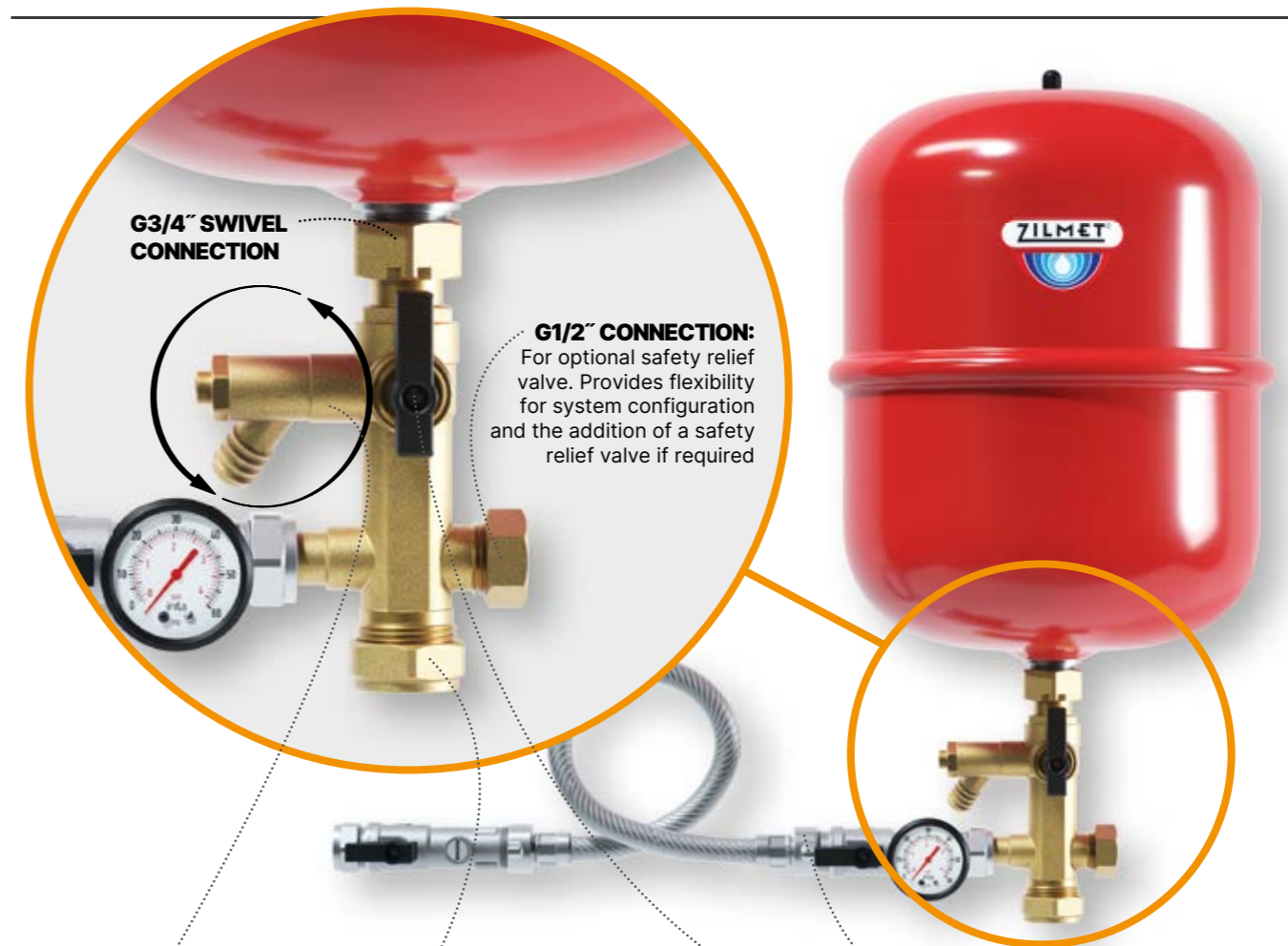


DATA SHEETS, INSTALLATION INSTRUCTIONS & MAINTENANCE

**NEW**

2.01

## INTAFIL COMBI SEALED SYSTEM KIT



**ROTATABLE DRAIN-OFF VALVE:** Enables simple, quick, clean servicing or replacement of the expansion vessel

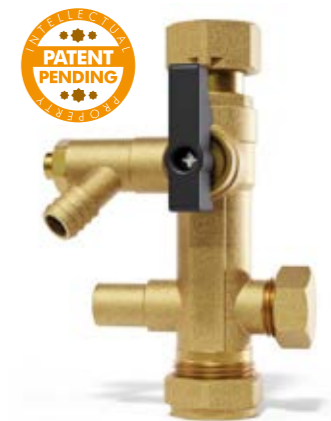
**22MM DIRECT CIRCUIT CONNECTION:** Removes the need for additional, time-consuming, and costly pipework connections

**ANTI-TAMPER ISOLATION VALVE:** Enhances system safety and compliance while preventing unauthorised adjustment

**G24 WRAS-APPROVED FILLING LOOP & PRESSURE GAUGE:** Easy system fill, compliance and system pressure monitoring

### INTAFIL COMBI SEALED SYSTEM KIT

CODE	DESCRIPTION
KTSSK34NB	3/4" Intafil Combi sealed system kit with drain (without bracket)
KTSSK34	3/4" Intafil Combi sealed system kit with drain and bracket
KTSSK34SRV	3/4" Intafil Combi sealed system kit with drain SRV and bracket
KTSSK34SRVNB	3/4" Intafil Combi sealed system kit with drain SRV (without bracket)



### SAFETY RELIEF VALVE 1/2" FEMALE X 15MM 3 BAR

CODE	SIZE	PRESSURE SETTING	BOX QTY
SRV012153	1/2" F	3 bar	100

# inta DRAIN

## NEW

**INTRODUCING THE NEW INTA DRAIN. A COMPACT, CONVENIENT SOLUTION FEATURING A SWIVEL VESSEL CONNECTION, ROTATABLE DRAIN-OFF VALVE AND ANTI-TAMPER ISOLATION VALVE.**



**DATA SHEETS, INSTALLATION INSTRUCTIONS & MAINTENANCE**

## COMBINED ANTI-TAMPER ISOLATION VALVE AND DRAIN FOR EXPANSION VESSELS



### COMBINED ANTI-TAMPER ISOLATION AND DRAIN VALVE

CODE	DESCRIPTION
KTPEVI34	3/4" Expansion vessel combined anti-tamper isolation and drain valve
KTPEVI22	22mm Expansion vessel combined anti-tamper isolation and drain valve
KTPEV1	1" Expansion vessel combined anti-tamper isolation and drain valve
KTPEV28	28mm Expansion vessel combined anti-tamper isolation and drain valve



# Inta Safe Group

## SEALED SYSTEM EQUIPMENT

### IDEAL SOLUTION FOR INSTALLATIONS WHERE SPACE IS LIMITED

The Inta-Safe Group wall fixing bracket comprising of a wall fixing bracket with an automatic air vent, 3 bar safety relief valve, and vessel connection.

- Ease of installation
- Robust construction
- Brass automatic air vent
- Ideal solution for installations where space is limited
- ISG003 features auto closing, quick-release valves on the air-vent and vessel connections
- Safe wall-mounting solution for expansion vessels



DATA SHEETS, INSTALLATION INSTRUCTIONS & MAINTENANCE

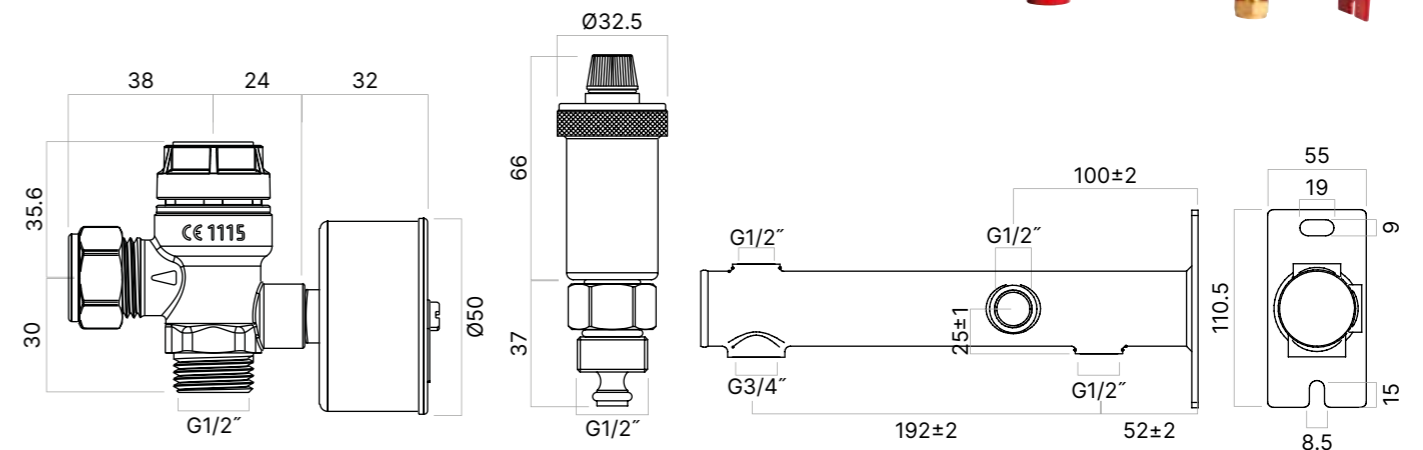
## SEALED SYSTEM EQUIPMENT

Inta Safe Group wall fixing bracket comprising of a wall fixing bracket with an automatic air vent, 3 bar safety relief valve and vessel connection.

### INTA SAFE GROUP EXPANSION VESSEL MOUNTING BRACKET

CODE	DESCRIPTION
ISG003	Inta Safe Group expansion vessel mounting bracket and quick release valves
ISG002	Inta Safe Group expansion vessel mounting bracket

Suitable for expansion vessels with a 3/4" inlet up to 24 Litres



### INTAFIL SEALED SYSTEM KIT

CODE	DESCRIPTION	BOX QTY
SSKA075	3/4" Intafil sealed system kit without bracket	12
SSKA076	3/4" Intafil sealed system kit with bracket	16
SSKA077	3/4" Intafil sealed system kit with bracket and remote safety valve	10
RSMB	Wall-mounting bracket for 4-24l heating vessels	-
RSMB2	Wall-mounting bracket with band for 4-24l potable vessels	-

Designed for expansion vessels with a 3/4" inlet





# CAL-PRO HEATING EXPANSION VESSELS

- Carbon steel construction
- SBR synthetic rubber diaphragm according to DIN 4807-3
- Hard-wearing epoxy polyester powder coated finish
- Maximum working temperature: 99°C
- 100% Factory tested
- Fully CPR compliant
- Suitable for a variety of heating systems



0036

## APPLICATION

In a closed heating system water cannot be compressed and any increase in water volume due to the increase of temperature is absorbed by the expansion vessel. When water is cold, the pre-charge pressure presses the diaphragm against the tank. As temperature increases, the expanded water volume pushes against the membrane and water enters the tank, providing additional space within the system. With the temperature decrease, the air cushion forces water back into the system.

This allows the system to maintain the pressure, helping to reduce energy consumption of the heating system.



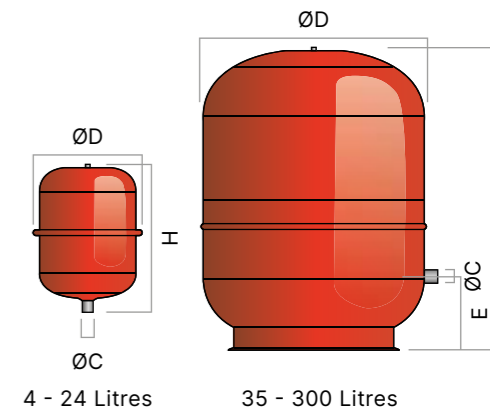
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## CAL-PRO HEATING EXPANSION VESSELS

Heating expansion vessels absorb the water volume variations in closed heating systems maintaining constant pressure, which helps to reduce energy consumption and protect your system.

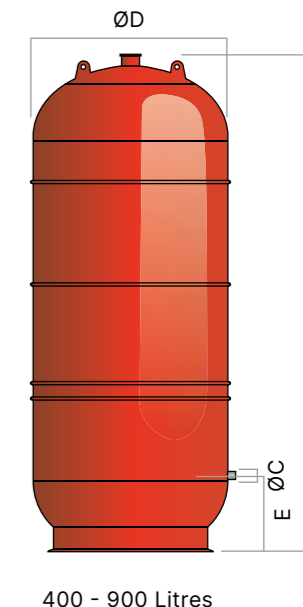
### CAL-PRO HEATING EXPANSION VESSEL AND MOUNTING BRACKET

CODE	CAPACITY	ØD	H	E	ØC	MAX. WORKING PRESSURE	PRE-CHARGE
Z1-301004	4 Litres	225	195	-	3/4"	5 bar	1.5 bar
Z1-301008	8 Litres	220	295	-	3/4"	5 bar	1.5 bar
Z1-301012	12 Litres	294	281	-	3/4"	4 bar	1.5 bar
Z1-301018	18 Litres	290	375	-	3/4"	4 bar	1.5 bar
Z1-301024	24 Litres	324	415	-	3/4"	4 bar	1.5 bar



### CAL-PRO FLOOR-STANDING HEATING EXPANSION VESSEL

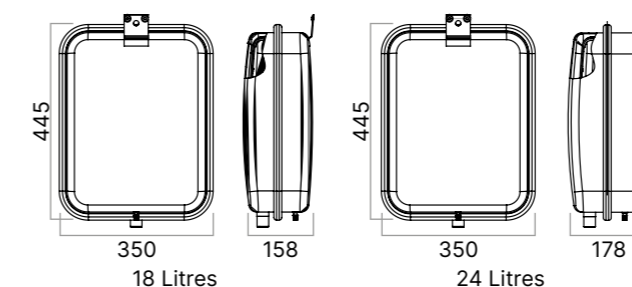
CODE	CAPACITY	ØD	H	E	ØC	MAX. WORKING PRESSURE	PRE-CHARGE
Z1-302035CP *	35 Litres	404	387	119	3/4"	4 bar	1.5 bar
Z1-302050CP *	50 Litres	407	507	157	3/4"	4 bar	1.5 bar
Z1-302080	80 Litres	450	608	150	3/4"	6 bar	2.0 bar
Z1-302105	105 Litres	500	665	165	3/4"	6 bar	2.0 bar
Z1-302150	150 Litres	500	897	216	3/4"	6 bar	2.0 bar
Z1-302200	200 Litres	600	812	225	3/4"	6 bar	2.5 bar
Z1-302250	250 Litres	630	957	245	3/4"	6 bar	2.5 bar
Z1-302300	300 Litres	630	1105	245	3/4"	6 bar	2.5 bar
Z1-302400	400 Litres	630	1450	245	3/4"	6 bar	2.5 bar
Z1-302500	500 Litres	750	1340	290	1"	6 bar	2.5 bar
Z1-302600	600 Litres	750	1555	290	1"	6 bar	2.5 bar
Z1-302750	700 Litres	750	1755	290	1"	6 bar	2.5 bar
Z1-302800	800 Litres	750	1855	290	1"	6 bar	2.5 bar
Z1-302900	900 Litres	750	2105	290	1"	6 bar	2.5 bar



\* Supplied with feet

### INTAFIL SLIMLINE SQUARE EXPANSION VESSEL

CODE	DESCRIPTION
Z1-13Q0000803	8 Litre square expansion vessel 3/4"
Z1-13Q6001204	12 Litre square expansion vessel 3/4"
Z1-13Q2001817	18 Litre square expansion vessel 3/4"
Z1-13Q2002417	24 Litre square expansion vessel 3/4"



# inta

IT'S ALL IN THE NAME



## ZILAN

FITTED WITH PATENTED  
ZILAN MEMBRANES



**NEW**

**INTRODUCING OUR  
NEW RANGE:  
HYDRO-PLUS POTABLE  
EXPANSION VESSELS**

SEE THE FULL  
RANGE ON PAGE 40



2. PLUMBING & HEATING

Say hello to our new AI assistant



Scan the code and say hello to Cal. Our new AI assistant can help you with technical queries, product information, technical support and much more.





# ULTRA-PRO REPLACEABLE MEMBRANE POTABLE EXPANSION VESSELS

- Suitable for potable water, pumps and booster sets
- Available in a range of sizes from 12 - 1000 litres
- Stainless Steel flanges
- Stainless Steel threaded connection
- 100% factory tested
- Fully certified according to PED 2014/68/EU
- Maximum operating temperature 70°C
- Peak working temperature 99°C
- MIG welded carbon steel shell construction
- Replaceable membrane
- Externally finished in hard-wearing epoxy powder coating

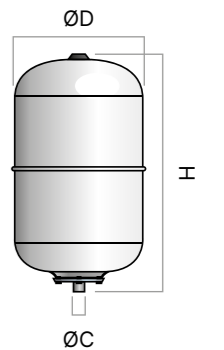


## ULTRA-PRO REPLACEABLE MEMBRANE POTABLE EXPANSION VESSELS

Suitable for a range of potable applications and complemented by a comprehensive range of sizes, Zilmet's potable vessel range is the installer's first choice. Internationally certified for use with potable water.

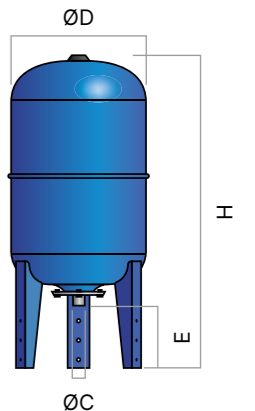
### ULTRA-PRO VERTICAL POTABLE VESSEL WITH INTERCHANGEABLE MEMBRANE

CODE	CAPACITY	ØD	H	E	ØC	MAX. WORKING PRESSURE	PRE-CHARGE
Z1-1100001223*	12 Litres	270	310	-	3/4" BSP	10 bar	3 bar
Z1-1100001220*	12 Litres	270	290	-	22mm compression	10 bar	3 bar
Z1-1100001955*	19 Litres	270	410	-	3/4" BSP	10 bar	3 bar
Z1-1100001951*	19 Litres	270	394	-	22mm compression	10 bar	3 bar
Z1-11000024L3*	24 Litres	270	483	-	3/4" BSP	10 bar	3 bar
Z1-11000024J1*	24 Litres	270	462	-	22mm compression	10 bar	3 bar
Z1-1100003505*	35 Litres	270	400	-	3/4" BSP	10 bar	1.5 bar



\*Welded bracket vessels in a white finish

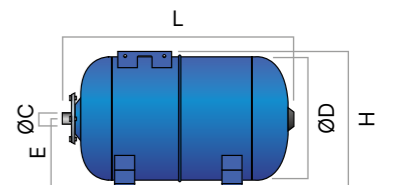
Z1-318050	50 Litres	380	770	180	1"	10 bar	1.5 bar
Z1-318060	60 Litres	380	860	170	1"	10 bar	1.5 bar
Z1-318080	80 Litres	450	830	153	1"	10 bar	1.5 bar
Z1-318100	100 Litres	450	910	153	1"	10 bar	1.5 bar
Z1-318200	200 Litres	550	1235	210	1 1/2"	10 bar	1.5 bar
Z1-318300	300 Litres	630	1365	188	1 1/2"	10 bar	1.5 bar
Z1-318500	500 Litres	750	1560	188	1 1/2"	10 bar	1.5 bar
Z1-318750	750 Litres	750	2075	150	1 1/2"	10 bar	2 bar
Z1-3181000	1000 Litres	850	2100	120	1 1/2"	8 bar	2 bar



100L+ Include additional 1/2" connection at the top for use with a buffer, gauge or SRV etc. If not required cap off the connection (cap not supplied)

### ULTRA-PRO HORIZONTAL POTABLE VESSEL WITH INTERCHANGEABLE MEMBRANE

CODE	CAPACITY	ØD	H	L	E	ØC	MAX. WORKING PRESSURE	PRE-CHARGE
Z1-332551	24 Litres	270	290	485	-	3/4"	10 bar	1.5 bar
Z1-332552	24 Litres	270	290	485	-	1"	10 bar	1.5 bar
Z1-318051	50 Litres	380	410	560	-	1"	10 bar	1.5 bar
Z1-318061	60 Litres	380	410	640	-	1"	10 bar	1.5 bar
Z1-318081	80 Litres	450	480	640	-	1"	10 bar	1.5 bar
Z1-318101	100 Litres	450	480	730	-	1"	10 bar	1.5 bar
Z1-318201	200 Litres	550	580	985	-	1 1/2"	10 bar	1.5 bar
Z1-318301	300 Litres	630	660	1140	-	1 1/2"	10 bar	1.5 bar



### I-BALL VORTEX FLOW-THROUGH VALVE

CODE	DESCRIPTION
FTV34.1 *	3/4" Flow-through valve
FTV22.1 *	22mm Flow-through valve
750032006	1 1/2" BSP Flow-through valve
7613000	3/4" Vessel connection valve
7613100	1" Vessel connection valve
FTV134	1" x 3/4" Flow-through valve





# HYDRO-PLUS E POTABLE EXPANSION VESSELS

- Complete with polypropylene base
- 100% factory tested
- Externally finished in a hard wearing epoxy powder coating
- Fixed butyl membrane designed to avoid any water stagnation.
- Fully certified according to the pressure equipment directive 2014/68/EU
- Available in a range of sizes from 2 - 600 litres
- Operating temperatures: -10 to 99°C
- Maximum working pressure: 10 Bar
- Internal polypropylene lining creating physical barrier between water and vessel wall
- Ideal for installations with poor water quality

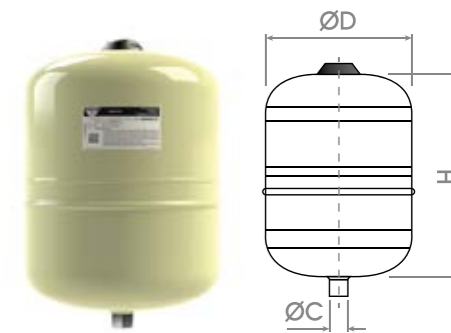


## HYDRO-PLUS E POTABLE EXPANSION VESSELS

Suitable for a range of potable applications and complemented by a comprehensive range of sizes. Zilmet's Hydro-Plus E range of expansion vessels feature a fixed butyl diaphragm, internally and externally powdered for added protection against corrosion.

### HYDRO-PLUS E POTABLE WALL-MOUNTED EXPANSION VESSELS

CODE	CAPACITY (LITRES)	ØD	H	ØC BSP	MAX. WORKING PRESSURE	PRE-CHARGE
Z1-30002S	2	142	196	1/2"	10 bar	3.5 bar
11E000500	5	160	270	3/4"	10 bar	2 bar
11E000800	8	160	280	3/4"	10 bar	2 bar
11E0001200	12	160	264	3/4"	10 bar	2 bar
11E0001800	18	160	349	3/4"	10 bar	2 bar
11E0002400	24	160	392	1"	10 bar	2 bar

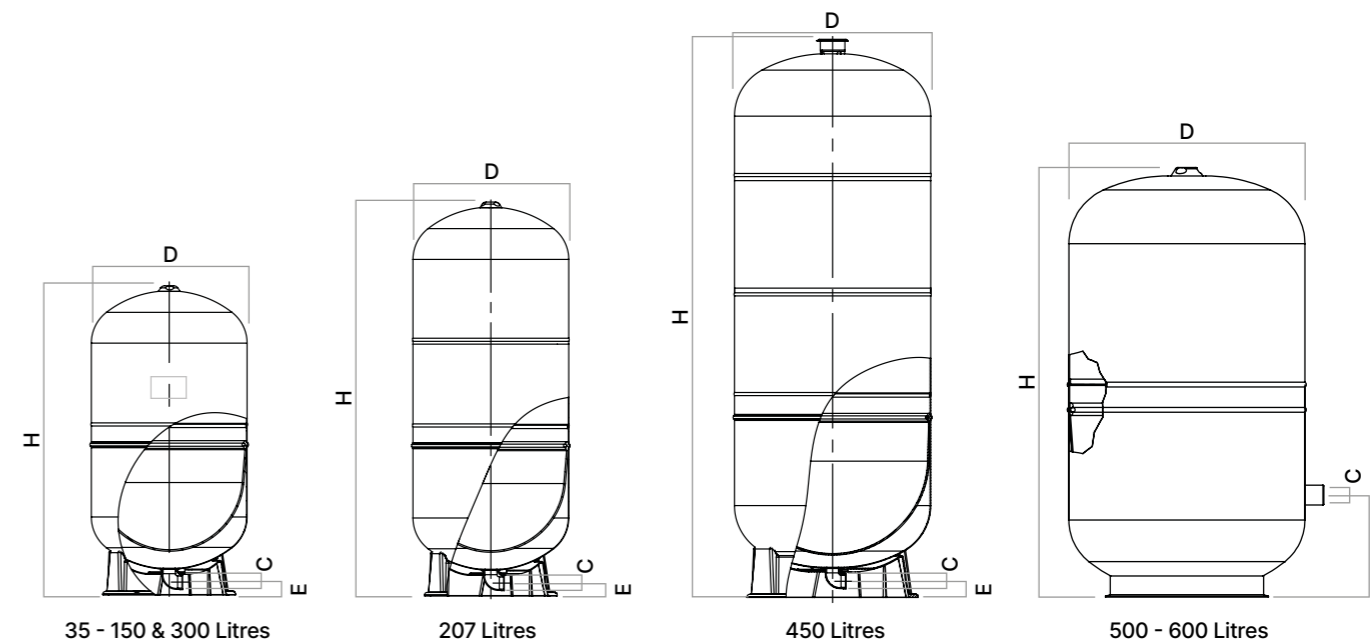


### HYDRO-PLUS E POTABLE FLOOR-STANDING EXPANSION VESSEL

CODE	CAPACITY (LITRES)	ØD	H	E	ØC BSP	MAX. WORKING PRESSURE	PRE-CHARGE
11A0003535	35	380	360	40	1"	10 bar	2 bar
11A0005035	50	380	505	40	1"	10 bar	2 bar
11A0008035	80	450	683	40	1"	10 bar	2 bar
11A0010535	105	450	741	40	1"	10 bar	2 bar
11A0012935	129	500	862	40	1"	10 bar	2 bar
11A0015035	150	500	973	40	1 1/4" G	10 bar	2 bar
11A0020735	207	500	1246	40	1 1/4" G	10 bar	2 bar
11A0030035	300	630	1193	52	1 1/4" G	10 bar	2 bar
11A0045035	450	630	1745	52	1 1/4" G	10 bar	2 bar
11A0050035	500	750	1340	245	1 1/4" G	10 bar	2 bar
11A0060035	600	750	1460	290	1 1/4" G	10 bar	2 bar



500 and 600 Litre vessels supplied with fixed base and side connection.





# SOLAR PLUS EXPANSION VESSELS

- Suitable for solar systems in accordance with DIN4757 and EN12977
- Manufactured according to PED 2014/68/EU and EN13831
- Comprehensive range of expansion vessels for solar systems
- Range of intermediate vessels available if required to lower the temperature between the solar thermal circuit and the solar plus vessel



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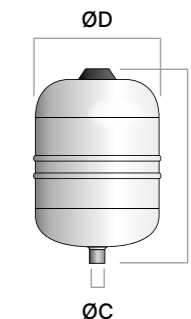
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## SOLAR PLUS EXPANSION VESSELS

Inta's range of Zilmet solar-rated expansion vessels absorb the increased volume of water/glycol mixture in solar systems, helping to maintain constant and optimum system operating conditions.

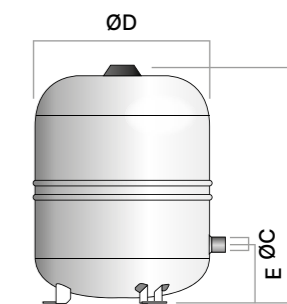
### SOLAR PLUS WALL-MOUNTED EXPANSION VESSELS

CODE	CAPACITY	ØD	ØC	H	PRE-CHARGE	MAX WORKING PRESSURE
2001207	12 litres	270	3/4" G	264	2.5	10 bar
2001808	18 litres	270	3/4" G	349	2.5	10 bar
2002506	24 litres	300	3/4" G	392	2.5	10 bar

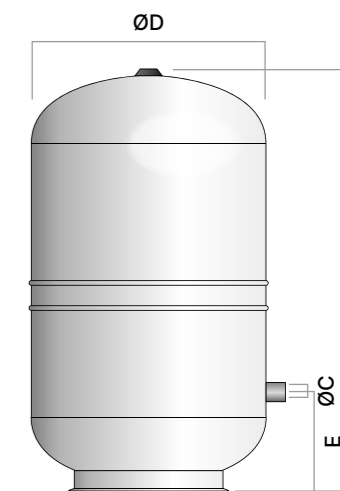


### SOLAR PLUS FLOOR-STANDING EXPANSION VESSELS

CODE	CAPACITY	ØD	ØC	H	E	PRE-CHARGE	MAX WORKING PRESSURE
2003304	35 litres	380	3/4" G	367	125	2.5	10 bar
2005002	50 litres	380	3/4" G	502	155	2.5	10 bar
2015000	150 litres	500	1" G	897	216	2.5	10 bar
2020000	200 litres	600	1" G	812	225	2.5	10 bar
2030000	300 litres	630	1" G	1105	245	2.5	10 bar
2040000	400 litres	630	1" G	1450	245	2.5	10 bar
2050000	500 litres	750	1" G	1340	290	2.5	10 bar



35 - 50L



150 - 500L

### FLUID RECOVERY CONTAINERS

CODE	DESCRIPTION
EVPG550001	Discharge container with drain valve
SOLDV001	1/2" Solar drain or fill valve, max pressure 16 bar, max temperature 180°C



## STAINLESS STEEL EXPANSION VESSELS

**THE INOX-PRO EXPANSION VESSEL IS DESIGNED FOR HIGH-PERFORMANCE APPLICATIONS WHERE BOTH HYGIENE AND DURABILITY ARE ESSENTIAL.**

Featuring a robust Stainless Steel shell, these vessels are ideal for use in environments such as potable water systems, food processing facilities, and pharmaceutical installations. They effectively absorb thermal expansion to maintain stable system pressure and protect components from damage. In addition to expansion control, the Inox-Pro vessel is also commonly used as a shock arrestor, helping to reduce pressure spikes and noise caused by water hammer. This dual functionality makes them a versatile and reliable choice for a wide range of professional installations.

- Stainless Steel construction
- Available in polished or dull finishes
- Ideal for installations where hygiene is paramount
- Suitable for alimentary purposes
- Potable butyl membrane
- Compact design
- Internationally certified
- Maximum working temperature 70°C
- Peak working temperature 99°C



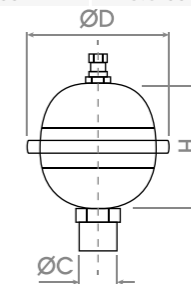
**DATA SHEETS, INSTALLATION INSTRUCTIONS & MAINTENANCE**

## STAINLESS STEEL EXPANSION VESSELS

The Inox-Pro range of Stainless Steel expansion vessels are an excellent choice for applications which require a high standard of hygiene. Featuring the Inta-minim range of shock arrestors which help to provide maximum protection against system water hammer, ultimately a reliable and popular choice within the Zilmec range.

### INOX-PRO MINI-PRO SHOCK ARRESTOR VESSEL

CODE	CAPACITY	FINISH	ØD	H	ØC	MAX. WORKING PRESSURE	PRE-CHARGE
Z1-300016SSD	0.16 Litres	dull	82	72	1/2"G	15 bar	3.5 bar
Z1-300016SSNO	0.16 Litres	dull	82	72	15mm	15 bar	3.5 bar



### INOX-PRO INTA MINIM SHOCK ARRESTOR KIT

CODE	DESCRIPTION	BOX QTY
MSAK15	15mm Inta Minim shock arrestor kit	10
MSAK22	22mm Inta Minim shock arrestor kit	10
TP1023	15mm x 15mm x 1/2" female tee piece	-
TP1014	22mm x 22mm x 1/2" female tee piece	-

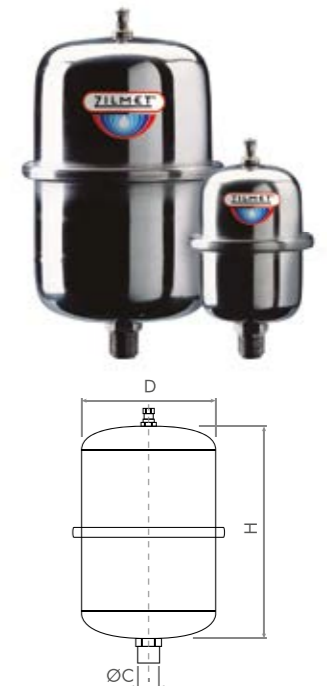
### SPRING LOADED SHOCK ARRESTOR

CODE	DESCRIPTION
SA30720400 *	Spring loaded shock arrestor



### INOX-PRO DULL STAINLESS STEEL EXPANSION VESSEL

CODE	CAPACITY	FINISH	ØD	H	ØC	MAX. WORKING PRESSURE	PRE-CHARGE
Z1-300050SSD	0.5 Litres	dull	94	119	1/2"G	10 bar	2.5 bar
Z1-300001SSD	1 Litres	dull	116	155	1/2"G	10 bar	2.5 bar
Z1-300002P	2 Litres	polished	140	196	1/2"G	10 bar	2.5 bar
Z1-300050SS	0.5 Litres	polished	94	119	1/2"G	10 bar	3.5 bar
Z1-300001SS	1 Litres	polished	116	155	1/2"G	10 bar	3.5 bar
Z1-11B0000800	8 Litres	polished	198	275	3/4"G	10 bar	2.5 bar
Z1-300012	12 Litres	polished	270	270	3/4"G	10 bar	2.5 bar
Z1-300118	18 Litres	polished	270	349	1"G	10 bar	2.5 bar
Z1-1110002403	24 Litres	polished	270	485	1"G	10 bar	1.5 bar



## PRESSURE REDUCING VALVES

INTA'S RANGE OF BS EN 1567 COMPLIANT PRESSURE REDUCING VALVES FEATURE A HIGH TEMPERATURE, EASY-TO-MAINTAIN CARTRIDGE IN ADDITION TO A DIAL-UP ADJUSTMENT HEAD, DZR BRASS CONSTRUCTION AND STAINLESS STEEL INTEGRAL FILTER

Supplied with an easy-to-read pressure gauge, they are suitable for both domestic and commercial applications.

- Conforms to BS EN 1567
- DZR brass construction
- Valves larger than 22mm and 3/4" feature a dial-up head and can be easily set by hand
- Designed for both domestic and commercial applications
- Controls static and dynamic pressure
- Available in sizes 15mm - 54mm and 1/2" - 2"
- Supplied with pressure gauge
- Can be installed vertically or horizontally
- Features an AISI 304 Stainless Steel cartridge filter
- Maximum inlet temperature 80°C
- Minimum working pressure 0.5 bar
- Factory pre-set at 3 bar
- Adjustable pressure range 0.8 - 6.0 bar



DATA SHEETS, INSTALLATION INSTRUCTIONS & MAINTENANCE

## PRESSURE REDUCING VALVES

### MINI PRESSURE REDUCING VALVE WITH GAUGE

CODE	DESCRIPTION	SIZE	A	B	C	D	E	BOX QTY
MINIPRVG *	Mini PRV with gauge	15mm	43	87	91	60	151	50
PRV223305090.1 *	Mini PRV	15mm	52	32	40.5	59.5	100	6
PRV223305090G.1 *	Mini PRV with gauge	1/2"	52	32	40.5	59.5	100	-
PRV11391500.1	Mini PRV with tamper cap	15mm	52	32	40.5	59.5	100	50
PRV27190400	Mini PRV	1/2" F x 3/4" M	55	32	40.5	59.5	100	40



### PRESSURE REDUCING VALVES WITH GAUGE

CODE	A	B	C	D	E	BOX QTY
PRV22331510.1	15mm	103	75	19	46	10
PRV22332210.1	22mm	107	77	19	46	-
PRV223305000G.1	1/2"	75	76	18	46	-
PRV223307500G.1	3/4"	78	77	16	46	-

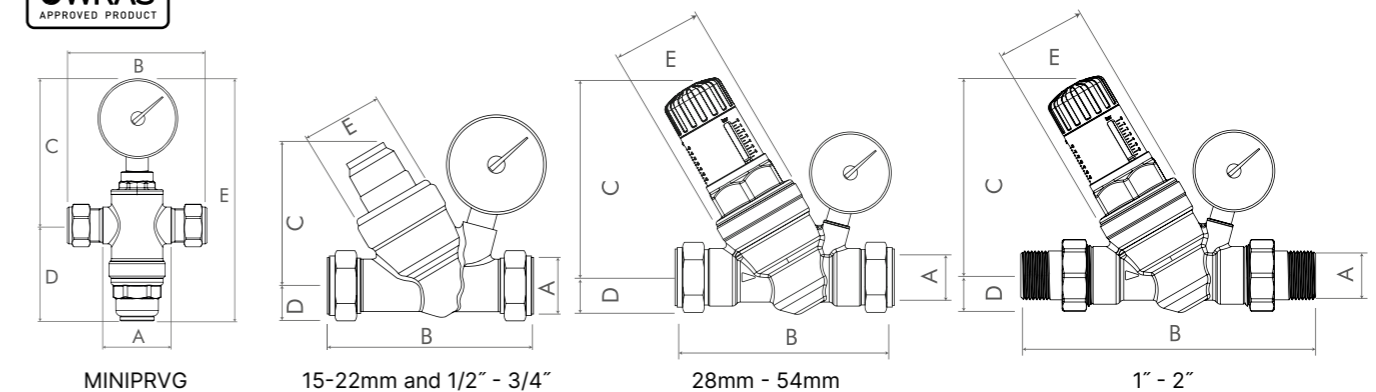


### DIAL-UP PRESSURE REDUCING VALVE WITH GAUGE

CODE	A	B	C	D	E
PRV22332810.1	28mm	131	134	25	61
PRV22333510.1	35mm	138	137	28	61
PRV22334210.1	42mm	148	142	30	61
PRV22335410.1	54mm	155	146	38	61

### SCREWED IRON DIAL-UP PRESSURE REDUCING VALVES WITH GAUGE

CODE	A	B	C	D	E
PRV223310000G.1	1"	199	134	24	61
PRV223312500G.1	1 1/4"	217	138	30	61
PRV223315000G.1	1 1/2"	236	144	37	61
PRV223320000G.1	2"	269	146	47	61



## PRESSURE REDUCING VALVES

INTA'S RANGE OF BS EN 1567 COMPLIANT PRESSURE REDUCING VALVES FEATURE A HIGH TEMPERATURE, EASY-TO-MAINTAIN CARTRIDGE IN ADDITION TO A DIAL-UP ADJUSTMENT HEAD, DZR BRASS CONSTRUCTION AND STAINLESS STEEL INTEGRAL FILTER

- Conforms to BS EN 1567
- DZR brass construction
- Valves larger than 22mm and 3/4" feature a dial-up head and can be easily set by hand
- Designed for both domestic and commercial applications
- Controls static and dynamic pressure
- Available in sizes 15mm - 54mm and 1/2" - 2"
- Can be installed vertically and horizontally
- Features an AISI 304 Stainless Steel cartridge filter
- Maximum inlet temperature 80°C
- Minimum working pressure 0.5 bar
- Adjustable pressure range 0.8 - 6.0 bar
- Factory pre-set at 3 bar
- Maximum inlet pressure 16 bar



DATA SHEETS, INSTALLATION INSTRUCTIONS & MAINTENANCE

### PRESSURE REDUCING VALVE WITHOUT GAUGE

CODE	A	B	C	D	E	BOX QTY
PRV22331500.1	15mm	103	75	19	46	10
PRV22332200.1	22mm	107	77	19	46	8
PRV223305000.1	1/2"	75	76	18	46	10
PRV223307500.1	3/4"	78	77	16	46	10

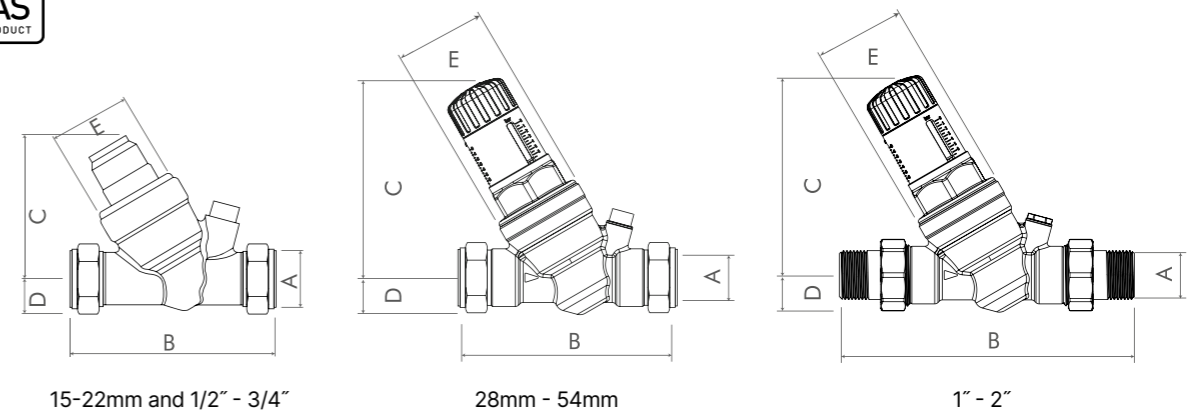


### DIAL-UP PRESSURE REDUCING VALVE WITHOUT GAUGE

CODE	A	B	C	D	E	BOX QTY
PRV22332800.1	28mm	131	134	25	61	8
PRV22333500.1	35mm	138	137	28	61	-
PRV22334200.1	42mm	148	142	30	61	-
PRV22335400.1	54mm	155	146	38	61	-

### SCREWED IRON DIAL-UP PRESSURE REDUCING VALVES WITHOUT GAUGE

CODE	A	B	C	D	E	BOX QTY
PRV223310000.1	1"	199	134	24	61	8
PRV223312500.1	1 1/4"	217	138	30	61	-
PRV223315000.1	1 1/2"	236	144	37	61	-
PRV223320000.1	2"	269	146	47	61	-



## THERMOSTATIC RADIATOR VALVES

INTA'S THERMOSTATIC RADIATOR VALVE IS DESIGNED TO BE FITTED IN ANY ORIENTATION AND WITH WATER FLOWING IN EITHER DIRECTION. WE RECOMMEND THAT AN AUTOMATIC DIFFERENTIAL BY-PASS VALVE BE FITTED ON ALL TRV SYSTEMS.

- Liquid filled sensor
- Certified to EN215
- Bi-directional
- Control range 0 - 30°C
- Maximum working pressure 10 bar
- Maximum flow temperature 110°C
- Frost protection position
- Anti-chatter cartridge

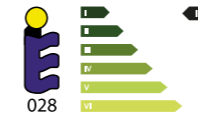


DATA SHEETS, INSTALLATION INSTRUCTIONS & MAINTENANCE

## THERMOSTATIC RADIATOR VALVES

### I-THERM THERMOSTATIC RADIATOR VALVES

CODE	DESCRIPTION	BOX QTY
15TRVA	15mm angled TRV	50
108TRVA	10/8mm angled TRV	10



### I-THERM+ THERMOSTATIC RADIATOR VALVE TWIN PACKS

CODE	DESCRIPTION	BOX QTY
15TWINA.1	15mm angled TRV with lockshield	50
15TWINS.1	15mm straight TRV with lockshield	10
108TWINA	10/8mm angled TRV with lockshield	10



### I-THERM - TEN<sup>10</sup> THERMOSTATIC RADIATOR VALVE TWIN PACK WITH BS LOCKSHIELD

CODE	DESCRIPTION	BOX QTY
15TWINA10	15mm angled twin pack BS2767 LS	50
108TWINA10	10/8mm angled twin pack BS2767 LS	10
15TWINSCP10	15mm straight twin pack BS2767 LS	10



Supplied with our patented i-Ten<sup>10</sup> BS2767-10 lockshield



## THERMOSTATIC RADIATOR VALVES

INTA'S THERMOSTATIC RADIATOR VALVE WITH CHROME HEAD IS DESIGNED TO BE FITTED IN ANY ORIENTATION AND WITH WATER FLOWING IN EITHER DIRECTION. WE RECOMMEND THAT AN AUTOMATIC DIFFERENTIAL BY-PASS VALVE BE FITTED ON ALL TRV SYSTEMS.

- Liquid filled sensor
- Control range 0-30°C
- Maximum working pressure 10 bar
- Maximum flow temperature 110°C
- Frost protection position
- Anti-chatter cartridge



DATA SHEETS, INSTALLATION  
INSTRUCTIONS & MAINTENANCE

## THERMOSTATIC RADIATOR VALVES

### I-THERM CHROME THERMOSTATIC RADIATOR VALVES

CODE	DESCRIPTION	BOX QTY
15TRVSCP	15mm chrome straight TRV	10



### I-THERM THERMOSTATIC RADIATOR VALVE TWIN PACK CHROME HEAD

CODE	DESCRIPTION	BOX QTY
15TWINACP.1	15mm chrome angled TRV with lockshield	10
15TWINSCP	15mm chrome straight TRV with lockshield	10



### I-THERM THERMOSTATIC RADIATOR VALVE TWIN PACK CHROME HEAD AND POLISHED LOCKSHIELD

CODE	DESCRIPTION	BOX QTY
TRVAN15HP	15mm angled high polished TRV pack	20
TRVST15HP	15mm straight high polished TRV pack	20



## DECORATIVE RADIATOR VALVES

- Smooth polished chrome, black, white and anthracite finishes
- Maximum operating pressure 10 bar
- Maximum operating temperature 100°C
- Brass construction
- Straight, angled or corner configurations available
- Multiple styling options



DATA SHEETS, INSTALLATION  
INSTRUCTIONS & MAINTENANCE

## DECORATIVE RADIATOR VALVES

### MODERN RADIATOR VALVES

CODE	DESCRIPTION	BOX QTY
1024CP	1/2" x 15mm Straight modern chrome radiator valve	10
1024BL	1/2" x 15mm Straight modern black radiator valve	10
1024WH	1/2" x 15mm Straight modern white radiator valve	10
1024AN	1/2" x 15mm Straight modern anthracite radiator valve	10
1025CP	1/2" x 15mm Angled modern chrome radiator valve	10
1025BL	1/2" x 15mm Angled modern black radiator valve	10
1025WH	1/2" x 15mm Angled modern white radiator valve	10
1025AN	1/2" x 15mm Angled modern anthracite radiator valve	10



### CORNER RADIATOR VALVE

CODE	DESCRIPTION	BOX QTY
1032CP	1/2" x 15mm Corner chrome radiator valve	10
1032BL	1/2" x 15mm Corner black radiator valve	10
1032AN	1/2" x 15mm Corner anthracite radiator valve	10
1032WH	1/2" x 15mm Corner white radiator valve	10



### MINIMALISTIC CHROME RADIATOR VALVES

CODE	DESCRIPTION	BOX QTY
1022CP	1/2" x 15mm Straight minimalistic chrome radiator valve	40
1023CP	1/2" x 15mm Angled minimalistic chrome radiator valve	40



### SQUARE CHROME RADIATOR VALVES

CODE	DESCRIPTION	BOX QTY
1031CP	1/2" x 15mm Straight square chrome radiator valve	24
1030CP	1/2" x 15mm Angled square chrome radiator valve	24



### CROSS HANDLE CHROME RADIATOR VALVES

CODE	DESCRIPTION	BOX QTY
1034CP	1/2" x 15mm Straight cross handle chrome radiator valve	30
1035CP	1/2" x 15mm Angled cross handle chrome radiator valve	30



## COMMERCIAL RADIATOR VALVES

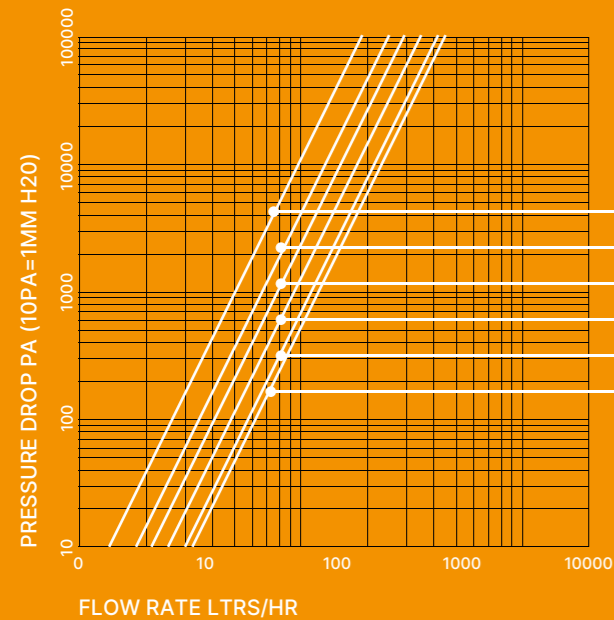
INTA'S RANGE OF PRE-SETTABLE COMMERCIAL RADIATOR VALVES ENABLE INSTALLERS TO DICTATE THE FLOW TO INDIVIDUAL RADIATORS BASED ON THEIR HEAT OUTPUT, REDUCING ENERGY CONSUMPTION AND OPTIMISING SYSTEM EFFICIENCY.

These valves are also available with our Class 1 EN215 i-Therm thermostatic head.

- Commercial thermostatic radiator valves with pre-set function
- Provides flow regulation in commercial two pipe systems
- Allows the installer to set the flow rate to a radiator based on the heat output required
- Increases energy efficiency
- Six easy-to-adjust pre-set values
- Tamper-proof after commissioning
- Available in 1/2" angled and straight pattern
- Optional Class 1 rated EN215 i-Therm thermostatic head
- Maximum flow temperature 110°C
- Maximum pressure 10 bar



### FLOW RATES FOR STRAIGHT AND ANGLED VALVES WITH THERMOSTATIC HEAD



DATA SHEETS, INSTALLATION INSTRUCTIONS & MAINTENANCE

## COMMERCIAL RADIATOR VALVES

### COMMERCIAL PRE-SETTABLE THERMOSTATIC RADIATOR VALVES

CODE	DESCRIPTION
CPSTRV12A	1/2" BSP angled pre-settable TRV



### COMMERCIAL THERMOSTATIC RADIATOR VALVES

CODE	DESCRIPTION	BOX QTY
CTRVB12A	1/2" BSP angled TRV body only	10
CTRVB34A	3/4" BSP angled TRV body only	-

CTRVB12S	1/2" BSP straight TRV body only	10
CTRVB34S	3/4" BSP straight TRV body only	10



### COMMERCIAL LOCKSHIELD VALVES

CODE	DESCRIPTION	BOX QTY
CLS12A	1/2" BSP angled lockshield radiator valve	10
CLS34A	3/4" BSP angled lockshield radiator valve	10
CWHL12A	1/2" BSP wheel head angled radiator valve	12
CWHL34A	3/4" BSP wheel head angled radiator valve	10

CODE	DESCRIPTION	BOX QTY
CLS12S	1/2" BSP straight lockshield radiator valve	10
CWHL34S	3/4" BSP wheel head straight radiator valve	8



## PRESSURE INDEPENDENT THERMOSTATIC RADIATOR VALVES

THE INTA PTRV IS A THERMOSTATIC VALVE WHERE THE FLOW CAN BE PRE-SET INDEPENDENTLY FROM THE PRESSURE. THIS ALLOWS THE VALVE TO PERFORM AS BOTH A THERMOSTATIC VALVE AND A DIFFERENTIAL PRESSURE REGULATOR.

Each pre-settable thermostatic valve comes with six pre-set Kv values. The flow rate pre-setting limits the maximum flow passing through the radiator and thereby ensures simple and effective radiator circuit balancing. The radiator valves feature an integral differential pressure regulator that maintains a constant pressure differential and set flow rate.

- Pressure differential control maintaining pre-set flow rates
- Pre-set flow rates for commissioning
- Thermostatic control
- Maintaining the design efficiency of the system
- System remains balanced under fluctuating conditions
- Prevention of uncontrolled high secondary return temperatures under low load
- Reduced system noise

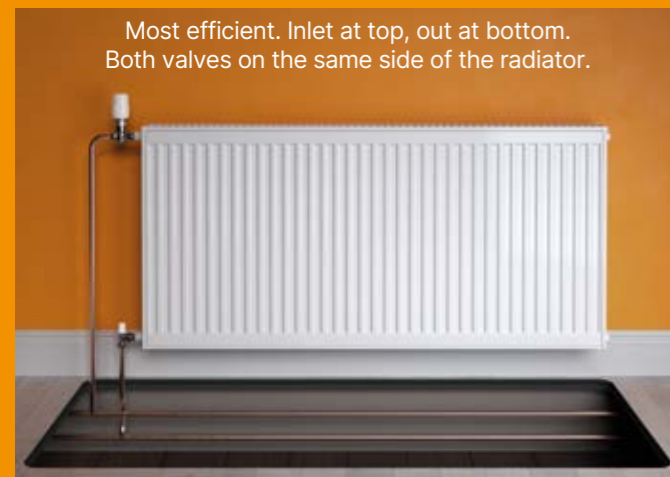


DATA SHEETS, INSTALLATION INSTRUCTIONS & MAINTENANCE

### POSITIONING OF RADIATOR VALVES FOR BEST EFFICIENCY

(Reference CP1 2020 code of practice)

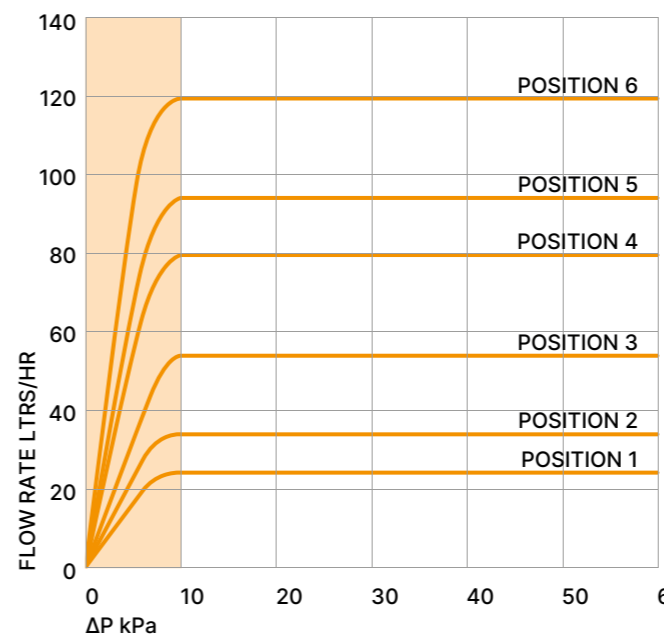
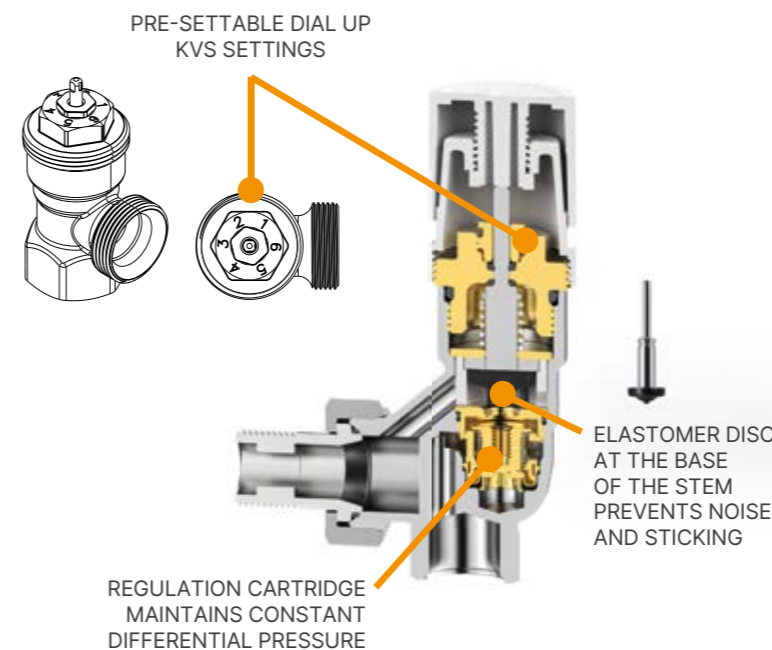
The code does not advise connections both at the bottom of the radiator, as efficiency drops by over 10%.



## PRESSURE INDEPENDENT THERMOSTATIC RADIATOR VALVES

### PTRV VALVES

CODE	DESCRIPTION
PTRV12FS	PTRV straight valve with 1/2" female threaded connection radiator valve with i-Therm white TRV head and lockshield
PTRV15S	PTRV straight valve with 15mm connection radiator valve with i-Therm white TRV head and lockshield
PTRV12FA	PTRV angled valve with 1/2" female threaded connection radiator valve with i-Therm white TRV head and lockshield
PTRV15A	PTRV angled valve with 15mm connection radiator valve with i-Therm white TRV head and lockshield



PRE-SETTABLE DIAL UP KVS SETTINGS FOR PTRV		THERMOSTATIC HEAD TEMPERATURE SETTINGS	
1	25 l/h	*	7°C
2	35 l/h	1	10°C
3	55 l/h	2	15°C
4	80 l/h	3	20°C
5	95 l/h	4	25°C
6	120 l/h	5	30°C

HEAT LOAD W		FLOW L/H	KV SETTING
600W	20°C	25	1
800W	20°C	34.5	2
1200W	20°C	53.88	3
1800W	20°C	77.85	4
2200W	20°C	94.8	5
2800W	20°C	120.68	6

#### THERMOSTATIC HEADS

CODE	DESCRIPTION
TRVHEAD1	i-Therm white thermostatic replacement head
TRVHEAD1CP	i-Therm chrome thermostatic replacement head

TRVHEADRS	i-Therm remote sensor thermostatic head
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TRVEAH2230	i-Therm 2-wire 230v actuator thermostatic head
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#### ANTI-VANDAL ACCESSORIES

CODE	DESCRIPTION
ATTRVC	i-Therm anti-theft TRV collar
ATTRVHC	i-Therm anti-tamper, vandal proof TRV head collar



#### ACCESSORIES

CODE	DESCRIPTION	BOX QTY
15DOT	15mm drain off tail piece	10
1510PFE*	15 × 10mm stem elbow (pairs)	
1521PFE	15 × 15mm stem elbow (pairs)	

\* When installing with plastic pipe, ensure the correct pipe stiffeners are used in line with the pipe manufacturer's guidelines.



#### TELESCOPIC RADIATOR TAILS

CODE	DESCRIPTION	BOX QTY
TRT045	Telescopic radiator tail 0-45mm	10



# HIPER II

HEAT INTERFACE UNIT

## INDIRECT



### TWIN PLATE

**HIPER2TPSZ80**  
HIPER II Twin Plate HIU SZ 80kW  
DHW & HTG without heat meter

**HIPER2TPSZ80IS**  
HIPER II Twin Plate HIU SZ 80kW  
DHW & HTG with Ista heat meter



For more information please scan or visit [www.hius.co.uk](http://www.hius.co.uk)



BIM Level 2 revit models ready and available at BIMstore

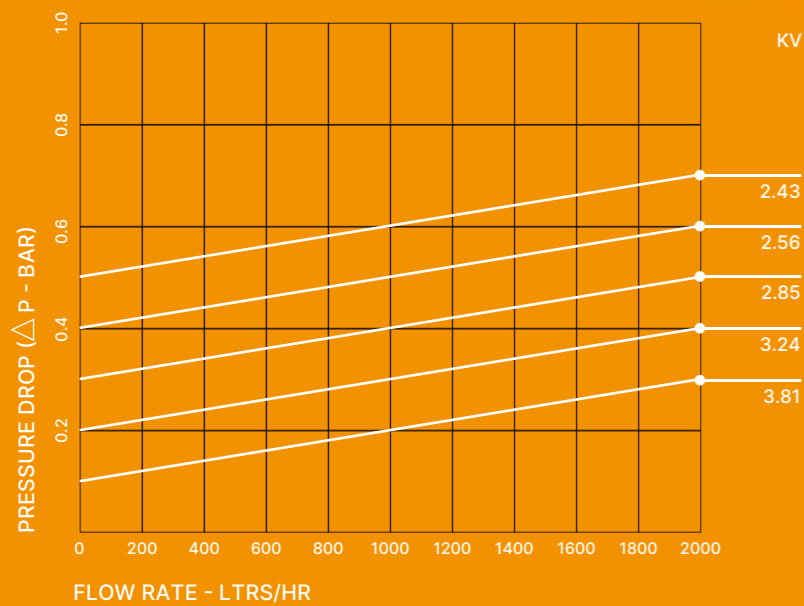
## BY-PASS VALVES

INTA'S AUTOMATIC BY-PASS VALVES ARE SUITABLE FOR ALL HEATING SYSTEMS UP TO 10 BAR STATIC PRESSURE WHERE A BOILER BY-PASS IS REQUIRED OR WHERE THERMOSTATIC RADIATOR VALVES ARE INSTALLED.

- Improves boiler efficiency
- Decreases system component wear
- Helps maintain a minimum system flow rate
- Saves energy by only allowing flow to pass through the valve when needed
- Improves the control of systems fitted with thermostatic radiator valves
- Helps reduce noisy system pipe work
- Maximum working temperature 100°C
- Maximum working pressure 10 bar
- Flow capacity 1 - 5m<sup>3</sup>/h
- Range of connection sizes and types to suit a variety of installations
- Anti-tamper option available



### FLOW CHART AND KV VALUES



DATA SHEETS, INSTALLATION INSTRUCTIONS & MAINTENANCE

## 2.13 BY-PASS VALVES

### ANTI-TAMPER BY-PASS VALVES

CODE	SIZE	TYPE	SETTING RANGE	BOX QTY
ABPS22AT	22mm	straight	0.1 - 0.5 bar	45



### BY-PASS VALVES

CODE	SIZE	TYPE	SETTING RANGE	BOX QTY
ABPA401022	22mm	angled	0.1 - 0.5 bar	72
ABPS402022	22mm	straight	0.1 - 0.5 bar	45
ABPA28CP	28mm	angled	0.1 - 0.5 bar	63
ABPS28CP	28mm	straight	0.1 - 0.5 bar	63



### BY-PASS VALVES SETTING RANGE 0.1-0.7 BAR

CODE	SIZE	TYPE	SETTING RANGE
BP01242200	22mm	angled	0.1 - 0.7 bar
BP012407500	3/4" F x M	angled	0.1 - 0.7 bar
BP012410000	1" F x M	angled	0.1 - 0.7 bar
BP012412500	1 1/4" F x M	angled	0.1 - 0.7 bar



## FILLING LOOPS AND CHECK VALVES

INTA'S RANGE OF G24.1 AND G24.2 WRAS-APPROVED FILLING LOOPS ARE DESIGNED TO PROVIDE SIMPLE INSTALLATION AND A LONG, TROUBLE FREE LIFE SPAN.

Manufactured from DZR brass, and available both with and without end caps, Inta filling loops give installers the flexibility and simplicity of the install they require.

- Fully compliant to part G24 of the water regulations
- DZR brass construction
- Provides a temporary connection between the cold main and a sealed heating system
- Prevents cross-contamination
- Maximum operating pressure (static) 10 bar
- Maximum operating temperature (water) 0 - 85°C
- Blanking caps available to protect your installation from debris or accidental discharge once the filling loop has been removed.



DATA SHEETS, INSTALLATION INSTRUCTIONS & MAINTENANCE

## FILLING LOOPS AND CHECK VALVES

### G24 COMPLIANT FILLING LOOP WRAS

CODE	DESCRIPTION	BOX QTY
FL12041500	15mm G24 WRAS-approved filling loop	20
FL12041510	15mm G24 WRAS-approved filling loop with end caps	20
FL12041515	15mm Filling loop with gauge	5
ECAP2046	1/2" Filling loop end caps	-



### DOUBLE CHECK VALVES WITH ISOLATING VALVE

CODE	DESCRIPTION	BOX QTY
DCV0123.1	15mm DZR double check valve with isolating valve (1 nut and olive)	10
DCV0123	15mm DZR double check valve with isolating valve	10
FLDCV15	15mm DZR double check valve with isolating valve and port	10



### CHECK VALVES

CODE	DESCRIPTION	BOX QTY
DCV15	15mm Double check valve with drain port	10
DCV22	22mm Double check valve with drain port	5
SCV15 *	15mm Single check valve nickel plated	-
SCV22	22mm Single check valve nickel plated	10



### SOLAR-RATED CHECK VALVES

CODE	DESCRIPTION
SOLCHK75	3/4" Solar check valve. max pressure 16 bar. max temperature 180°C



## MAGNETIC FILTERS AND STRAINERS

THE INTAKLEAN 2 TRIPLE ACTION MAGNETIC CENTRAL HEATING FILTER, FEATURING INTA'S UNIQUE DOUBLE GAUZE NON-FERROUS FILTER, IS THE IDEAL SOLUTION TO COSTLY AND UNNECESSARY SYSTEM BREAKDOWNS CAUSED BY BOTH MAGNETIC AND NON-FERROUS PARTICULATE IN CENTRAL HEATING SYSTEMS.

As well as separating magnetic debris and trapped air in circulating system fluid, IntaKlean 2 also includes a completely unique non-ferrous filter which contains two Stainless Steel gauze filter tubes, one inside the other, with the magnetic filter core at the centre.

As system fluid passes into the IntaKlean 2, through a combination of gravity and clever product design, it begins to circulate within the filter body. The fluid passes through the double gauze non-ferrous filter where any foreign matter is broken up or retained. The remaining magnetic debris is then drawn to the centre of the filter and captured by the 11,000 gauze rare earth neodymium magnet.

- Actively filters magnetite and non-ferrous debris
- Convenient in-line installation
- 360° rotation for ease of servicing
- Small installation footprint
- Low profile drain valve
- Unique double gauze non-ferrous filter
- Magnet can be removed with the system live for effortless servicing
- Includes manual air vent
- 500ml filter pot suitable for dosing
- Maximum temperature: 90°C
- Maximum pressure: 4 bar
- Medium: water / water + glycol up to 50%
- Magnet: 11,000 gauss

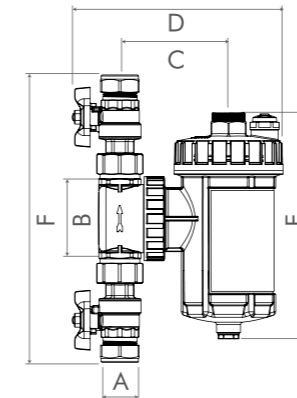


DATA SHEETS, INSTALLATION INSTRUCTIONS & MAINTENANCE

## MAGNETIC FILTERS AND STRAINERS

### INTAKLEAN MAGNETIC SYSTEM FILTER

CODE	A	B	C	D	E	F	BOX QTY
IK2MF22	22mm	94	90	175	188	239	10
IK2MF28	28mm	94	90	182	188	271	10
IK2MF114	1 1/4"	94	90	182	188	253	10



### FILL & FLUSH CONNECTOR FOR INTAKLEAN MAGNETIC SYSTEM FILTER

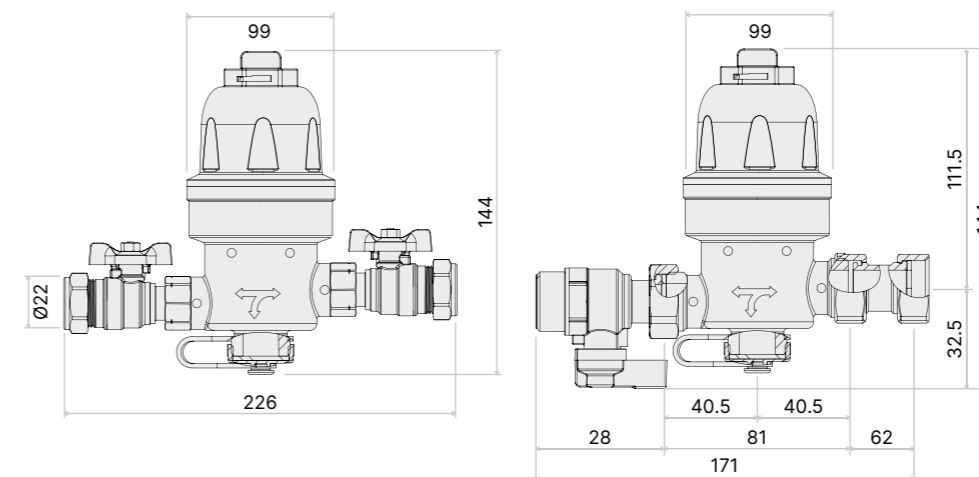
CODE	DESCRIPTION
IKSP001	Fill & flush connector for IntaKlean magnetic system filter

### INTAKLEAN NANO MAGNETIC SYSTEM FILTER

Compact magnetic filter designed for use on fluid heating systems, the perfect solution for where clean and efficient systems are required but a small installation footprint is paramount.

CODE	DESCRIPTION
IKN22	22mm IntaKlean Nano magnetic system filter
IKN34	3/4" IntaKlean Nano magnetic system filter

- Effectively filters ferrous and non-ferrous system debris
- Specific compact design for small installation footprints
- Transparent settling chamber to easily identify servicing requirements
- 12,000 Gauss, fully removable dry pocket magnet
- 800µm Stainless Steel filter cartridge for ultimate particle capture
- Multiple inlet/outlet variations to suit any installation requirement





# MAGNETIC FILTERS AND STRAINERS

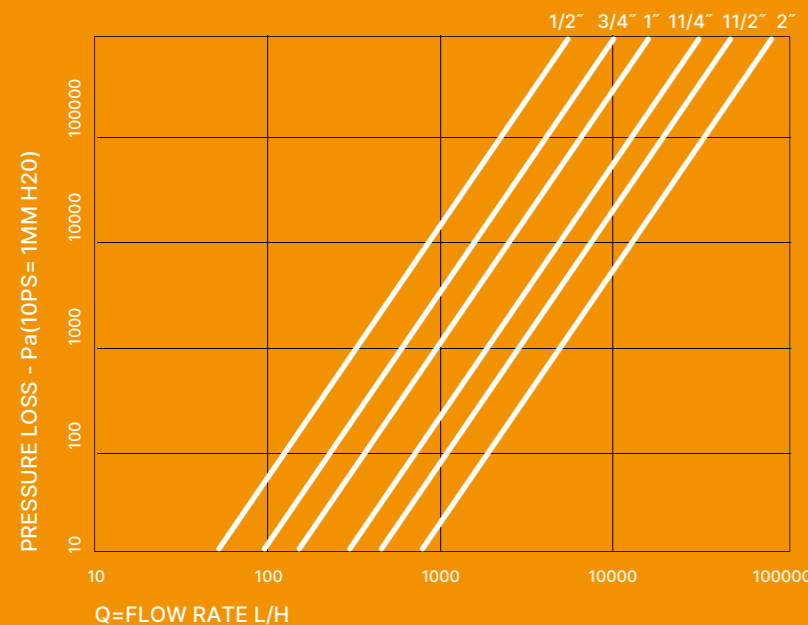
**THE INTA MAG PRO MAGNETIC SYSTEM HUB, COMPRISING OF A MAGNETIC FILTER, DIRT SEPARATOR, MANUAL AND AUTOMATIC DE-AERATING FUNCTION, AND CHEMICAL DOSING POINT.**

Proving to be the perfect all-in-one solution for plant room installations where space is paramount, and there is a critical requirement to keep heating systems clean and working as efficiently as possible. The Inta Mag Pro also gives the option for a separate accessory pack to be purchased, which comprises inlet isolation lever ball valves and Stainless Steel dosing pot for the addition of system chemicals and inhibitors.

- Integral Stainless Steel filter with 100 micron mesh gauze
- Filter basket incorporates a self-closing valve to prevent impurities from falling into the filter
- Fitted with a dosage point to add treatment fluids easily, for dosing pot see IMPACK
- Multiple inlet combinations
- Option of in-line or by-pass installation on a heating system
- Reduced maintenance cost
- Magnets protected from contact with water making it easier to maintain
- The large water content extends maintenance intervals
- The possibility of cleaning the filter without draining system
- Anti-condensation insulation jacket also available



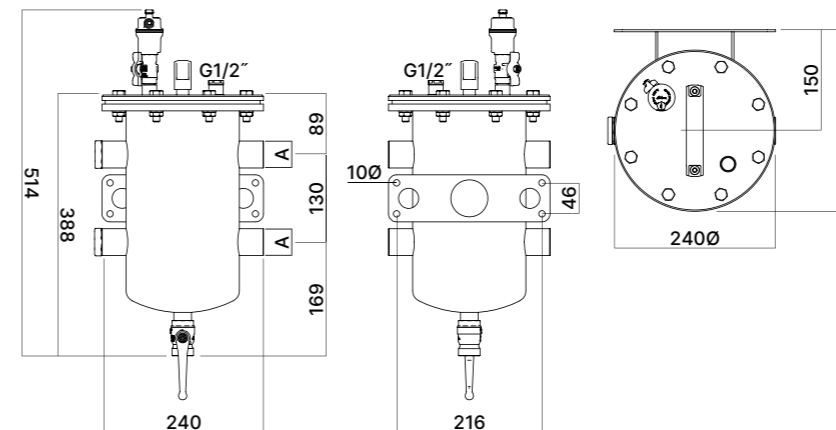
**DATA SHEETS, INSTALLATION INSTRUCTIONS & MAINTENANCE**



## MAGNETIC FILTERS AND STRAINERS

### INTA MAG PRO

CODE	DESCRIPTION	A
IMP01	Inta Mag Pro 1/2"	G1/2"
IMP02	Inta Mag Pro 3/4"	G3/4"
IMP03	Inta Mag Pro 1"	G1"
IMP04	Inta Mag Pro 1 1/4"	G1 1/4"
IMP05	Inta Mag Pro 1 1/2"	G1 1/2"
IMP06	Inta Mag Pro 2"	G2"



### INTA MAG PRO ACCESSORY PACKS

CODE	DESCRIPTION
IMPACK01	Inta Mag Pro 1/2" accessory pack
IMPACK02	Inta Mag Pro 3/4" accessory pack
IMPACK03	Inta Mag Pro 1" accessory pack
IMPACK04	Inta Mag Pro 1 1/4" accessory pack
IMPACK05	Inta Mag Pro 1 1/2" accessory pack
IMPACK06	Inta Mag Pro 2" accessory pack



Dosing funnel complete with isolation valve, 2 x isolating ball valves

### INSULATION FOR INTA MAG PRO

CODE	DESCRIPTION
IMJACK	Inta Mag Pro insulation jacket





# MAGNETIC FILTERS AND STRAINERS

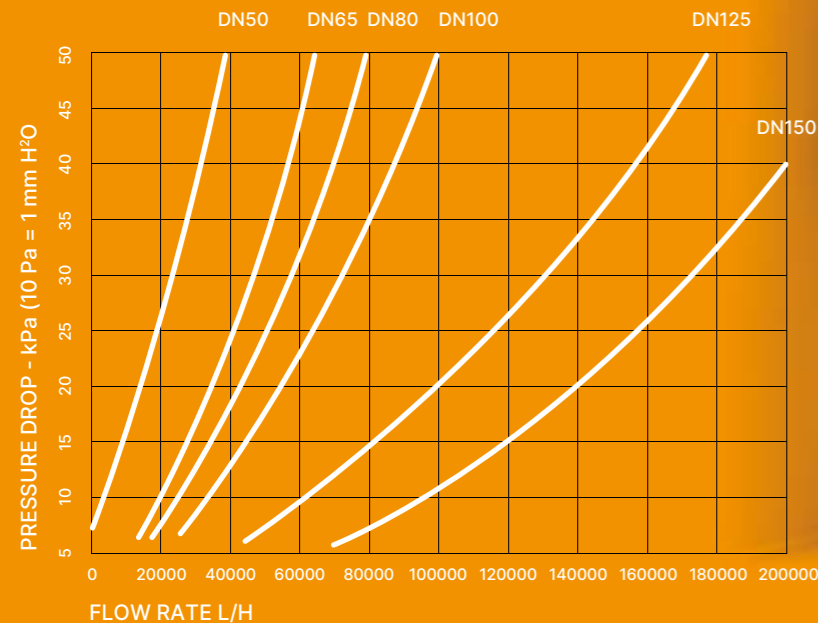
THE INTA MAG PRO PLUS MAGNETIC SYSTEM HUB FROM INTA HAS BEEN SPECIFICALLY DESIGNED FOR COMMERCIAL AND INDUSTRIAL SYSTEMS WHERE OPTIMUM FILTRATION PERFORMANCE IS REQUIRED AS PART OF AN ALL-IN-ONE SOLUTION.

The Mag Pro Plus comprises 4 high-strength neodymium magnets, a Stainless Steel filtration basket for ultimate particle interception, automatic air vent and manual air venting point to eliminate air during the filling and operation process. All of these functions are housed within a steel epoxy-coated casing, complete with its own dosing port for the addition of system chemicals and inhibitors. Taking all of the above into consideration, this makes the Inta Mag Pro Plus the ideal component for many plant room installations.

- Large capacity chamber to achieve maximum performance
- Manual and automatic air venting points
- 4 High-performance neodymium magnets
- Inlet/outlet pressure gauges to easily identify servicing intervals
- Self-closing filter basket for effortless debris removal
- Quick and efficient servicing schedule
- Insulation jacket available
- Internal speed step to increase product efficiency
- Adjustable support legs to aid simple installation



DATA SHEETS, INSTALLATION INSTRUCTIONS & MAINTENANCE



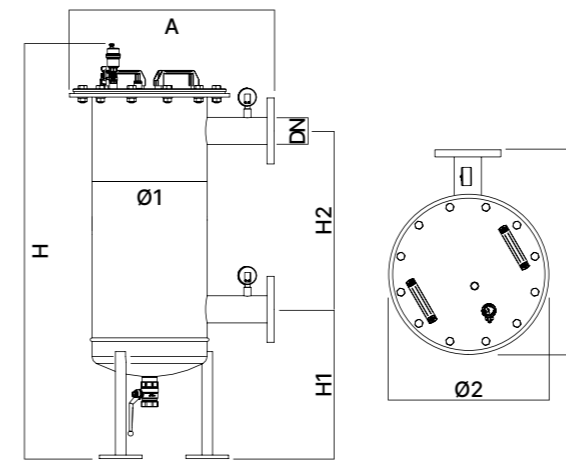
## MAGNETIC FILTERS AND STRAINERS

### INTA MAG PRO PLUS

CODE	DESCRIPTION	DN*	A	Ø1	Ø2	H1#	H2	H#
IMPPL02	Inta Mag Pro Plus 2"	50	473	220	346	385	450	1060
IMPPL03	Inta Mag Pro Plus 3"	80	575	324	450	419	500	1162
IMPPL04	Inta Mag Pro Plus 4"	100	575	324	450	419	500	1162
IMPPL05	Inta Mag Pro Plus 5"	125	656	406	532	435	550	1241
IMPPL06	Inta Mag Pro Plus 6"	150	656	406	532	435	550	1241

\* Suitable for connecting to BS EN 1092-1 flanges

# Minimum value - supplied with adjustable legs extendable by approximately 200mm



### INTA MAG PRO PLUS ACCESSORIES

CODE	DESCRIPTION
Z1-DP	Dosing funnel for Inta Mag Pro Plus



### INSULATION FOR INTA MAG PRO PLUS

CODE	DESCRIPTION
IMJACKPP	Inta Mag Pro Plus insulation jacket 2" (DN50)



## MAGNETIC FILTERS AND STRAINERS

**INTA'S Y-PATTERN STRAINERS HAVE BEEN DESIGNED TO BE FITTED CONVENIENTLY IN-LINE, AVAILABLE IN A RANGE OF SIZES FROM 15MM TO 2" WITH 100 AND 800 MICRON FILTERS**

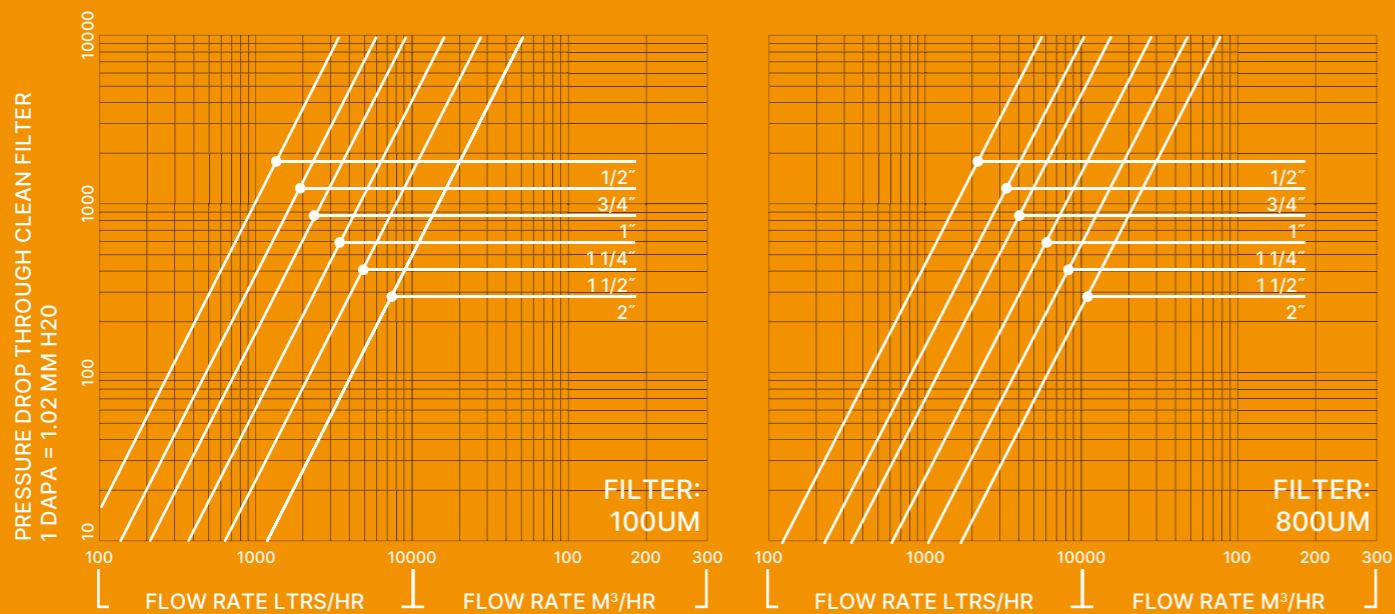
The strainer provides protection to any hot or cold water system by passively filtering debris and particles and collecting them inside the filter port, which can be easily accessed for cleaning and maintenance.

- Passively filters debris and particles
- Convenient in-line design
- Ease of maintenance
- Available in a range of sizes with 50, 100 and 800 micron filters
- Maximum pressure (static) 16 bar
- Maximum temperature 100°C
- Fluid type: water



**DATA SHEETS, INSTALLATION INSTRUCTIONS & MAINTENANCE**

### FLOW RATES AND PRESSURE DROP



## MAGNETIC FILTERS AND STRAINERS

### Y-PATTERN STRAINER CARTRIDGE 50 MICRONS

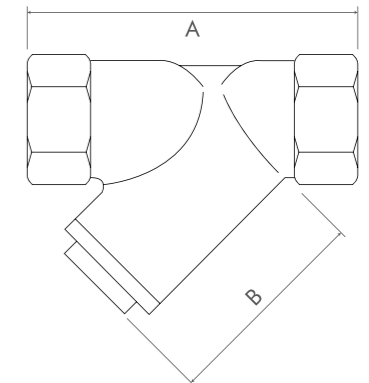
CODE	DESCRIPTION	BOX QTY
YPCART1550	15mm Y-pattern strainer cartridge	20
YPCART2250	22mm Y-pattern strainer cartridge	-

### Y-PATTERN STRAINER 100 MICRONS

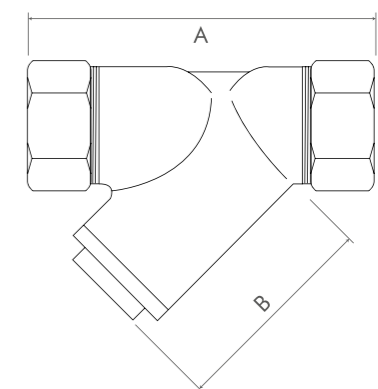
CODE	CONNECTION	A	B	BOX QTY
YPS085815100	15mm	71	57	20
YPS085822100	22mm	90	70	10
YPS085828100	28mm	103	78	6
YPS0858050100	1/2" F x F	44	57	20
YPS0858075100	3/4" F x F	53	70	12
YPS0858100100	1" F x F	56	78	36
YPS0858125100	1 1/4" F x F	70	97	12
YPS0858150100	1 1/2" F x F	80	106	20
YPS0858200100	2" F x F	95	126	-

### Y-PATTERN STRAINER 800 MICRONS

CODE	CONNECTION	A	B	BOX QTY
YPS085815800	15mm	77	57	20
YPS085822800	22mm	93	70	10
YPS085828800	28mm	114	78	6
YPS0858050800	1/2" F x F	44	57	20
YPS0858075800	3/4" F x F	53	70	20
YPS0858125800	1 1/4" F x F	70	97	30
YPS0858150800	1 1/2" F x F	80	106	10
YPS0858200800	2" F x F	95	126	-



Female connection



Compression connection

## AIR / DIRT ELIMINATION

TRAPPED AIR IN SEALED HEATING SYSTEMS IS A COMMON PROBLEM IN BOTH DOMESTIC AND COMMERCIAL INSTALLATIONS. THIS CAN RESULT IN NOISY PIPEWORK, INCREASED WEAR ON PUMPS AND SYSTEM COMPONENTS, COLD SPOTS IN RADIATORS, INCREASED CORROSION AND REDUCED EFFICIENCY.

The Inta-vent de-aerator is the convenient in-line solution to the problems associated with air trapped inside sealed systems.

Fluid enters the base of the Inta-vent through a wound coil of Stainless Steel mesh. This generates a vortex within the filter body which encourages micro bubbles to form on the mesh. These air bubbles combine and then rise to the top of the filter where they are then discharged by the air vent.

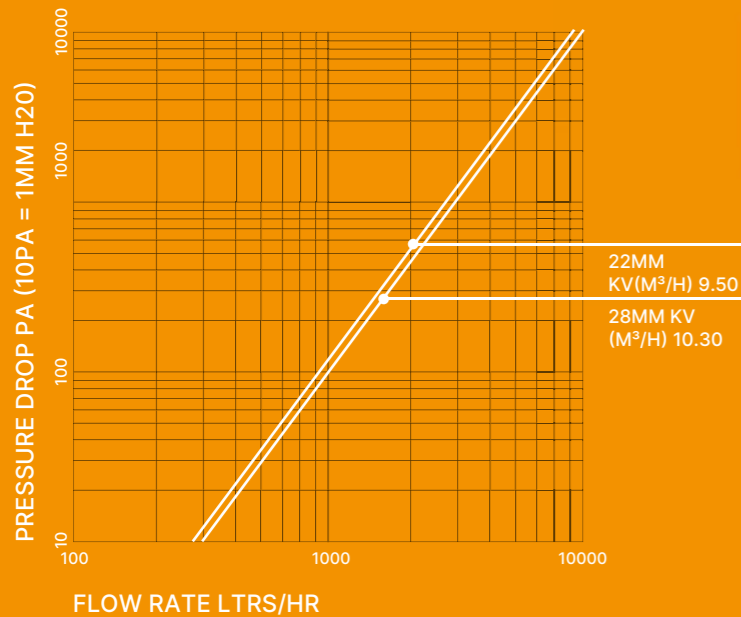
- Automatically removes trapped air
- Maximum discharge pressure 10 bar
- Maintains optimum system conditions
- Improves system efficiency and reduces wear on system components
- Decreases corrosion
- Reduces radiator cold spots
- Eliminates noisy pipework
- Maximum temperature 100°C



DATA SHEETS, INSTALLATION INSTRUCTIONS & MAINTENANCE

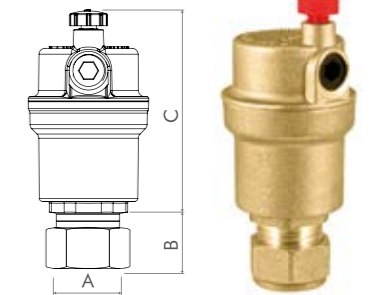


### PRESSURE DROP GRAPH



### AUTOMATIC AIR VENTS

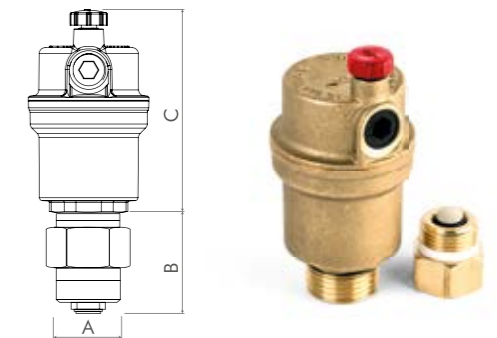
CODE	A	B	C	MAX TEMP	MAX DISCHARGE PRESSURE	BOX QTY
AAV07911500B	15mm	21	68	115°C	6 bar	80
AAV079103800B	3/8"	10	67	115°C	6 bar	-
AAV079105000B	1/2"	12	67	115°C	6 bar	-



### AUTOMATIC AIR VENT WITH CHECK VALVES

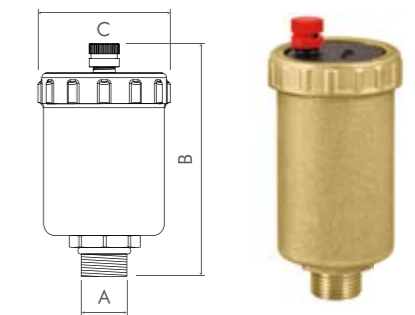
CODE	A	B	C	MAX TEMP	MAX DISCHARGE PRESSURE
AAV079103850B*	3/8"	24	91	115°C*	6 bar
AAV079105050B*	1/2"	26	93	115°C*	6 bar

\*Maximum temperature of isolating connection is 100°C



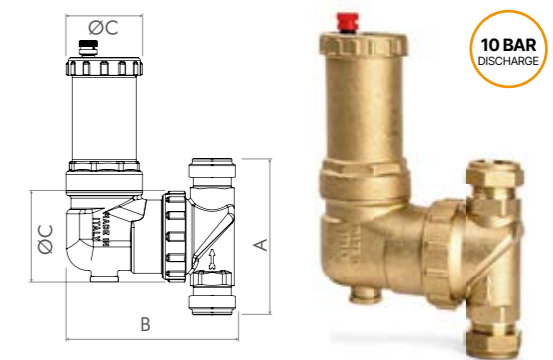
### COMMERCIAL AUTOMATIC AIR VENT

CODE	A	B	C	MAX TEMP	MAX DISCHARGE PRESSURE
CAA38B	3/8"	92	55	115°C	5 bar
CAA12B	1/2"	93	55	115°C	5 bar



### INTA-VENT AUTOMATIC AIR VENT

CODE	A	B	C	MAX TEMP	MAX DISCHARGE PRESSURE
IV22	22mm	127	200	115°C	10 bar
IV28	28mm	127	202	115°C	10 bar
IV01	1"	127	200	115°C	10 bar



## AIR / DIRT ELIMINATION

INTA'S RANGE OF COMMERCIAL DIRT AND AIR SEPARATORS ARE THE PROFESSIONALS' SOLUTION TO THE PROBLEMS INHERENT IN SEALED SYSTEMS CAUSED BY DEBRIS AND TRAPPED AIR. FEATURING OUR INNOVATIVE TRIPLE GAUZE FILTER AND A SOLID BRASS CONSTRUCTION, OUR DIRT AND AIR SEPARATORS ARE IDEAL FOR COMMERCIAL AND INDUSTRIAL APPLICATIONS.

When installed in sealed central heating systems, is designed to remove any impurities in the water supply, improving system efficiency and ensuring uninhibited flow through out the system preventing costly service call outs and expensive system breakdowns.

- Triple action magnetic, dirt and air filter
- Available in 22, 28mm and 1/2" to 1 1/4"
- Maximum discharge pressure of 10 bar
- Features our unique triple gauze filter cartridge
- Suitable for glycol and glycol/water mixes up to 30%
- Maximum inlet temperature 110°C
- Reduces breakdowns
- Increases fuel efficiency
- Optimises system conditions



### LAYER 1

Slows the flow of water and allows large air bubbles to separate from circulating fluid.

### LAYER 2

Finer gauze causes water to slow further and allows smaller bubbles to separate.

### LAYER 3

The finest gauze of filter causes micro-bubbles of water to form, allowing them to be separated. Inta's range of commercial dirt and air separators combine the features of two products in one. The pressure chamber in the valve is designed to prevent any circulating dirt from coming into contact with the air vent by slowing the flow of water and causing dirt and debris to fall to the bottom of the filter. Featuring Inta's unique triple gauze filter cartridge, micro air bubbles are slowed and separated from the flow combining into larger air bubbles which are then expelled by the air vent at pressures of up to 10 bar.

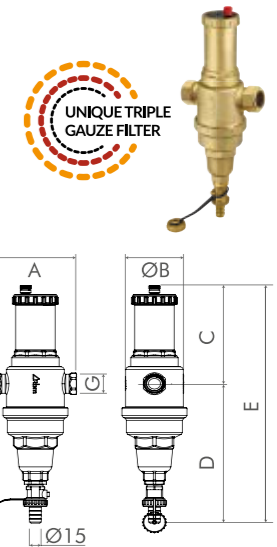


DATA SHEETS, INSTALLATION INSTRUCTIONS & MAINTENANCE

## AIR / DIRT ELIMINATION

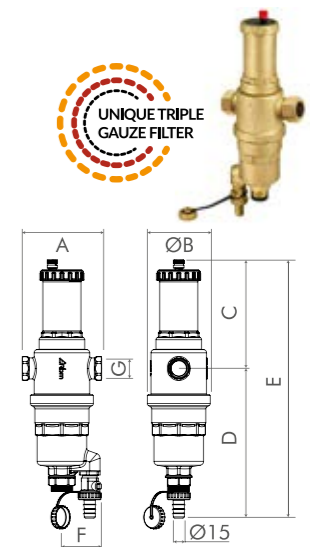
### COMMERCIAL DIRT AND AIR SEPARATORS

CODE	G	MAX DISCHARGE PRESSURE	MAX INLET TEMPERATURE	A	ØB	C	D	E	BOX QTY
CDAS22	22mm	10 bar	110°C	125	79	137	194	331	-
CDAS28	28mm	10 bar	110°C	130	79	137	194	331	-
CDAS114	1 1/4"	10 bar	110°C	115	79	137	194	331	-



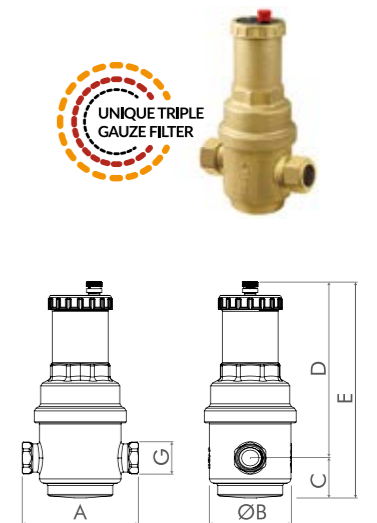
### COMMERCIAL MAGNETIC DIRT AND AIR SEPARATORS

CODE	G	MAX DISCHARGE PRESSURE	MAX INLET TEMPERATURE	A	ØB	C	D	E	F
CMDAS22	22mm	10 bar	110°C	125	79	137	188	325	50
CMDAS28	28mm	10 bar	110°C	130	79	137	188	325	50
CMDAS1	1"	10 bar	110°C	110	79	137	188	325	50



### INTA-VENT MAXI COMMERCIAL DE-AERATOR AIR VENT

CODE	G	MAX DISCHARGE PRESSURE	MAX INLET TEMPERATURE	A	ØB	C	D	E
IVC22	22mm	10 bar	110°C	125	79	38	166	203
IVC28	28mm	10 bar	110°C	130	79	38	166	203
IVC12	1/2"	10 bar	110°C	100	79	38	166	203
IVC34	3/4"	10 bar	110°C	105	79	38	166	203
IVC1	1"	10 bar	110°C	110	79	38	166	203
IVC114	1 1/4"	10 bar	110°C	115	79	38	166	203
IVC112	1 1/2"	10 bar	110°C	120	88	47	172	219
IVC2	2"	10 bar	110°C	125	88	47	172	219



## BALL VALVES

INTA'S COMPREHENSIVE WRAS-APPROVED RANGE OF ISOLATING BALL VALVES, WITH ANTI-BLOW-OUT STEMS ARE AVAILABLE FROM 15MM TO 54MM, MAKING THEM SUITABLE FOR BOTH COMMERCIAL AND DOMESTIC INSTALLATIONS.

- Full bore ball valve
- Stainless Steel lever or butterfly handle
- Maximum working pressure 25 bar
- Maximum temperature 99°C
- Anti-blow-out stem
- Suitable for water only



DATA SHEETS, INSTALLATION INSTRUCTIONS & MAINTENANCE

### FULL BORE COMPRESSION BALL VALVE WITH RED LEVER HANDLE

CODE	SIZE	BOX QTY
LBV209315R	15mm	15
LBV209322R	22mm	10
LBV209328R	28mm	6



### FULL BORE COMPRESSION BALL VALVE WITH BLUE LEVER HANDLE

CODE	SIZE	BOX QTY
LBV209315B	15mm	15
LBV209322B	22mm	10
LBV209328B	28mm	6



### FULL BORE COMPRESSION BALL VALVE WITH RED BUTTERFLY HANDLE

CODE	SIZE	BOX QTY
BBV209315R	15mm	20
BBV209322R	22mm	12
BBV209328R	28mm	6
BBV209335R	35mm	4



### FULL BORE COMPRESSION BALL VALVE WITH BLUE BUTTERFLY HANDLE

CODE	SIZE	BOX QTY
BBV209315B	15mm	20
BBV209322B	22mm	12
BBV209328B	28mm	6
BBV209335B	35mm	12



## BALL VALVES

INTA'S COMPREHENSIVE WRAS-APPROVED RANGE OF FEMALE ISOLATING BALL VALVES, WITH ANTI-BLOW-OUT STEMS ARE AVAILABLE FROM 3/8" UP TO 2" MAKING THEM SUITABLE FOR BOTH COMMERCIAL AND DOMESTIC INSTALLATIONS.

- Full bore ball valve
- Stainless Steel lever or butterfly handle
- Maximum working pressure 40 bar
- Operating temperature range -20 to 120°C
- Anti-blow-out stem
- Suitable for water only



DATA SHEETS, INSTALLATION INSTRUCTIONS & MAINTENANCE

## 2.17 BALL VALVES

### FULL BORE F X F BALL VALVE WITH RED LEVER HANDLE

CODE	SIZE	BOX QTY
LBV0855038R	3/8"	20
LBV0854050R	1/2"	15
LBV0854075R	3/4"	12
LBV0854100R	1"	6
LBV0854125R	1 1/4"	6
LBV0854150R	1 1/2"	2
LBV0854200R	2"	2



### FULL BORE F X F BALL VALVE WITH BLUE LEVER HANDLE

CODE	SIZE	BOX QTY
LBV0855038B	3/8"	20
LBV0854050B	1/2"	20
LBV0854075B	3/4"	12
LBV0854100B	1"	6
LBV0854125B	1 1/4"	6
LBV0854150B	1 1/2"	2
LBV0854200B	2"	2



### FULL BORE F X F BALL VALVE WITH RED BUTTERFLY HANDLE

CODE	SIZE	BOX QTY
BBV0989050R	1/2"	20
BBV0989075R	3/4"	12
BBV0989100R	1"	6
BBV0989125R	1 1/4"	6



### FULL BORE F X F BALL VALVE WITH BLUE BUTTERFLY HANDLE

CODE	SIZE	BOX QTY
BBV0989038B	3/8"	20
BBV0989050B	1/2"	15
BBV0989075B	3/4"	12
BBV0989100B	1"	20
BBV0989125B	1 1/4"	20



## BALL VALVES

**INTA'S RANGE OF GAS BALL VALVES ARE THE INSTALLERS CHOICE FOR SAFE, INDUSTRY-COMPLIANT GAS INSTALLATIONS. INTA GAS BALL VALVES HAVE BEEN INDEPENDENTLY CERTIFIED FOR THEIR COMPLIANCE WITH THE CURRENT EN 331:2015 STANDARD, WHICH INCLUDES A HIGH TEMPERATURE TEST TO PROTECT INSTALLATIONS IN THE EVENT OF FIRE.**

- Fully meets the requirements of EN 331:2015
- Independently assessed by a notified body
- Certificate available
- Can be installed on both internal and external gas pipe networks
- Range of sizes available from 15mm - 2"
- Temperature range -20°C - 60°C (gas) / -20°C - 110°C (non gas)
- Pressure rated to PN25



**DATA SHEETS, INSTALLATION INSTRUCTIONS & MAINTENANCE**

### UNIVERSAL GAS AND WATER RATED LEVER BALL VALVES

Inta's universal ball valves are one valve with three uses. The valves can be installed on gas installations as well as both hot and cold water systems, when used in conjunction with the red or blue sleeve. The valves fully comply to EN 331:2015 when used with gas but are also WRAS-approved when installing on hot and cold water.

CODE	SIZE	BOX QTY
IN89ALGWC15	15mm	12
IN89ALGWC22	22mm	9
IN89ALGWC28	28mm	6
IN89ALGWC35	35mm	6
IN89ALGWC42	42mm	4
IN89ALGWC54	54mm	2
IN90ALGWP15	1/2"	20
IN90ALGWP20	3/4"	20
IN90ALGWP25	1"	12
IN90ALGWP32	1 1/4"	6
IN90ALGWP40	1 1/2"	6
IN90ALGWP50	2"	4



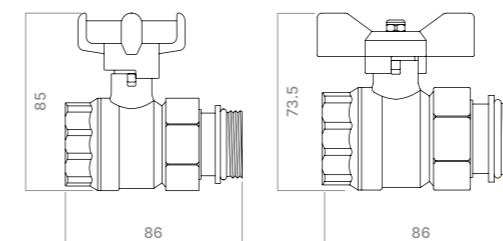
### FEMALE GAS BALL VALVES

CODE	SIZE	BOX QTY
IN90ALP015	1/2"	20
IN90ALP020	3/4"	4
IN90ALP025	1"	12
IN90ALP032	1 1/4"	6
IN90ALP040	1 1/2"	4
IN90ALP050	2"	4



### ISOLATION VALVES

CODE	DESCRIPTION
UFHBVGPR.1	1" UFH pair of butterfly isolating valves with temperature gauge
UFHBBVPR	1" UFH pair of butterfly isolation valves



UFHBVGPR.1

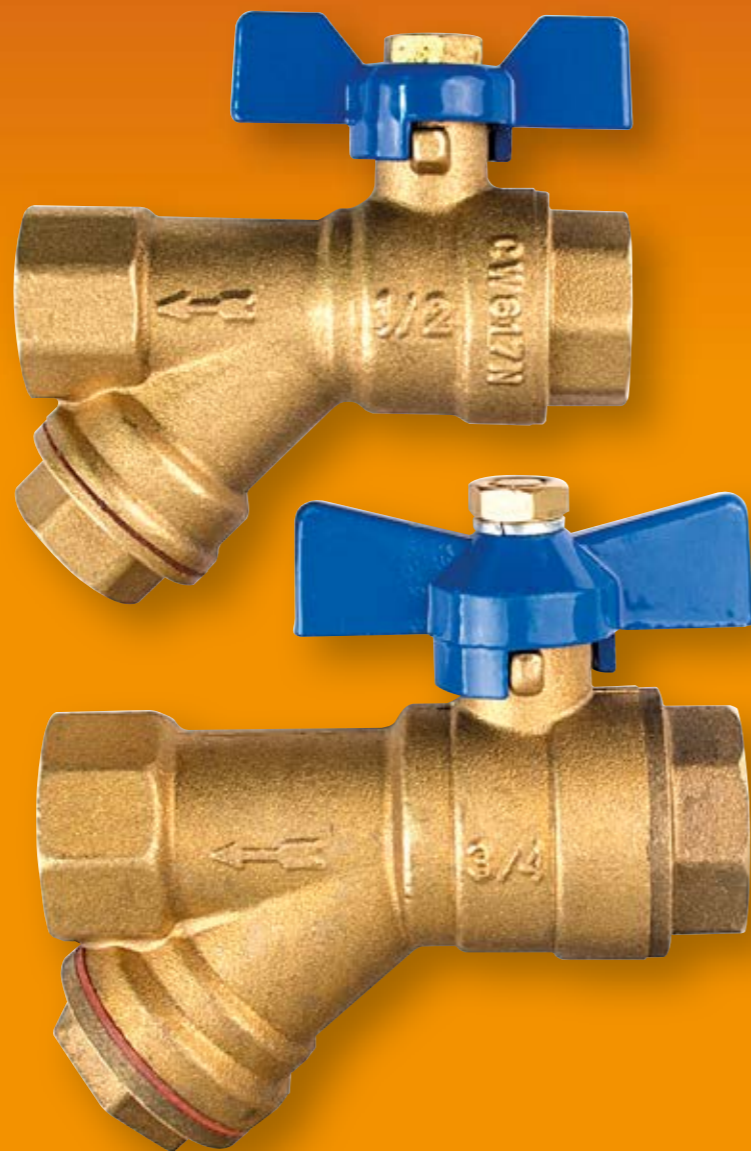
UFHBBVPR



## BALL VALVES

INTA'S RANGE OF COMBINATION BALL VALVES ARE A NEAT AND CONVENIENT WAY OF COMBINING BOTH AN ISOLATING BALL VALVE AND Y-PATTERN STRAINER IN ONE FITTING. REDUCING INSTALLATION TIME AND INCREASING THE LIFESPAN OF SERVICEABLE COMPONENTS BY PROTECTING THEM FROM FOREIGN DEBRIS.

- Available in both female and compression connections
- Full bore fitting
- 400 Micron strainer mesh
- Solid brass construction
- Maximum working pressure 16 bar
- Maximum working temperature 180°C



DATA SHEETS, INSTALLATION INSTRUCTIONS & MAINTENANCE

### COMBINATION BALL VALVE AND Y STRAINER

CODE	DESCRIPTION
CBV15PF	15mm Push-fit combination ball valve and Y strainer



### DOUBLE CHECK VALVE WITH INLINE STRAINER AND ISOLATION

CODE	DESCRIPTION
DCVSTR15	15mm Double check valve with inline strainer and isolation



### FEMALE COMBINATION BALL VALVE AND Y STRAINER

CODE	DESCRIPTION	BOX QTY
CBV12	1/2" Female combination ball valve and Y strainer blue handle	10
CBV34B	3/4" Female combination ball valve and Y strainer blue handle	-
CBV34R	3/4" Female combination ball valve and Y strainer red handle	-
CBV1	1" Female combination ball valve and Y strainer blue handle	5



### DRAIN OFF VALVE

CODE	DESCRIPTION
WMDOC	15mm Drain off valve



## FLOW REGULATION

- Combined isolating ball valve and flow regulator
- Water-saving - flow regulating options 3 - 18 litres per minute
- Optimum pressure range: 0.5 - 10 bar (accuracy ± 10% open outlet)



DATA SHEETS, INSTALLATION  
INSTRUCTIONS & MAINTENANCE

## FLOW REGULATION

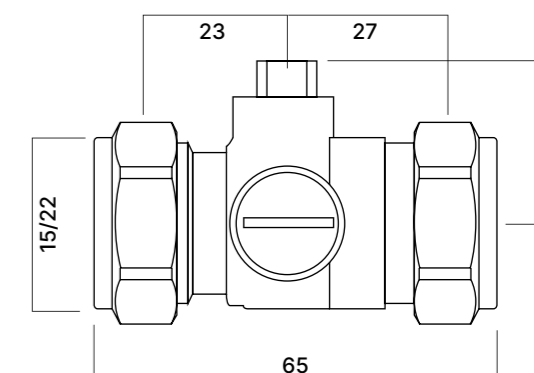
### LITE FLOW REGULATING BALL VALVES

CODE	DESCRIPTION
WVL154	15mm Lite flow regulating ball valve with 4 L/min cartridge
WVL154SW	15mm Lite flow regulating swivel ball valve with 4 L/min cartridge
WVL156SW	15mm Lite flow regulating swivel ball valve with 6 L/min cartridge
WVL158	15mm Lite flow regulating ball valve with 8 L/min cartridge
WVL158SW	15mm Lite flow regulating swivel ball valve with 8 L/min cartridge



### SCREWDRIVER-OPERATED FLOW REGULATOR

CODE	DESCRIPTION
CP961R03XC15	15mm Screwdriver-operated flow regulator with 3 L/min cartridge
CP961R04XC15	15mm Screwdriver-operated flow regulator with 4 L/min cartridge
CP961R06XC15	15mm Screwdriver-operated flow regulator with 6 L/min cartridge
CP961R08XC15	15mm Screwdriver-operated flow regulator with 8 L/min cartridge
CP961R10XC15	15mm Screwdriver-operated flow regulator with 10 L/min cartridge
CP961R12XC15	15mm Screwdriver-operated flow regulator with 12 L/min cartridge
CP961R15XC15	15mm Screwdriver-operated flow regulator with 15 L/min cartridge
CP961R18XC15	15mm Screwdriver-operated flow regulator with 18 L/min cartridge
CP961R04XC22	22mm Screwdriver-operated flow regulator with 4 L/min cartridge
CP961R06XC22	22mm Screwdriver-operated flow regulator with 6 L/min cartridge
CP961R10XC22	22mm Screwdriver-operated flow regulator with 10 L/min cartridge



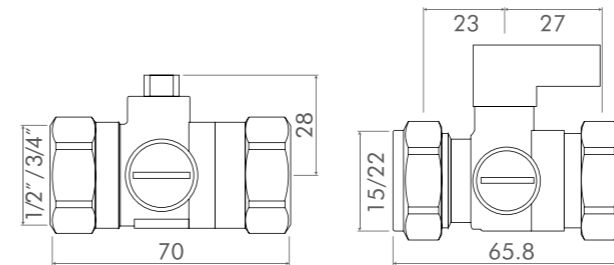
## FLOW REGULATION

- Combined isolating ball valve and flow regulator
- Water-saving - flow regulating options 3 - 18 litres per minute
- Optimum pressure range: 0.5 - 10 bar (accuracy  $\pm$  10% open outlet)



### FLOW REGULATOR BODY ONLY

CODE	DESCRIPTION
CP961XC15	15mm Screwdriver-operated flow regulator body only
CP961XLC15	15mm Lever-operated flow regulator body only
CP961XF15	1/2" Screwdriver-operated flow regulator body only



### FLOW REGULATING CARTRIDGES

CODE	DESCRIPTION
CP961R06BLK	6 Litre flow regulating cartridge
CP961R08WHI	8 Litre flow regulating cartridge
CP961R10SKB	10 Litre flow regulating cartridge
CP961R18GRN	18 Litre flow regulating cartridge
CP961FR06BLK	6 Litre flow regulating cartridge with filter
CP961FR08WHI	8 Litre flow regulating cartridge with filter
CP961FR10SKB	10 Litre flow regulating cartridge with filter
CP961FR12RED	12 Litre flow regulating cartridge with filter
CP961FR15LME	15 Litre flow regulating cartridge with filter



DATA SHEETS, INSTALLATION  
INSTRUCTIONS & MAINTENANCE

## SAFETY VALVES AND GAUGES

INTA'S RANGE OF CPR COMPLIANT SAFETY RELIEF VALVES HAVE BEEN DESIGNED TO PROTECT CLOSED CIRCUIT WATER HEATING SYSTEMS FROM OVER PRESSURE THAT CAN BUILD UP AS A CONSEQUENCE OF HEATING THE WATER OR ANY OTHER FAULT CONDITIONS THAT CAN RESULT IN EXCESS PRESSURE.

- Prevents damage to heating systems by relieving excess pressure
- Range of factory set discharge pressures 2.5, 3, 4.75, 6, 7 and 8 bar
- Available with a pressure gauge
- Built in accordance to EN 4126-1
- Maximum operating pressure (static) 10 bar
- Maximum working temperature 90°C
- PED category IV
- Complies with European directive 97/23/CE
- Fully CPR compliant



DATA SHEETS, INSTALLATION INSTRUCTIONS & MAINTENANCE

## SAFETY VALVES AND GAUGES

### SAFETY RELIEF VALVE 1/2" MALE X 15MM WITH GAUGE PORT

CODE	PRESSURE SETTING	BOX QTY
SRV035405003	3 bar	25
SRV035405006	6 bar	25
SRV035405007	7 bar	-
SRV035405008	8 bar	-



### SAFETY RELIEF VALVE 1/2" MALE X 15MM WITH GAUGE

CODE	PRESSURE SETTING	BOX QTY
SRVG35405003	3 bar	8
SRVG35405006	6 bar	25
SRVG35405007	7 bar	-



### SAFETY RELIEF VALVE 3/4" SWIVEL NUT X 15MM WITHOUT GAUGE

CODE	PRESSURE SETTING	BOX QTY
SRV0353SW05003	3 bar	50
SRV0353SW0475 *	4.75 bar	50
SRV0353SW060 *	6 bar	50

\*Without gauge port



### SAFETY RELIEF VALVE 3/4" SWIVEL NUT X 15MM WITH GAUGE

CODE	PRESSURE SETTING	BOX QTY
SRVG353SW05003	3 bar	25



### SAFETY RELIEF VALVE F X F WITH GAUGE

CODE	SIZE	PRESSURE SETTING	BOX QTY
SRVG35305003	1/2"	3 bar	25
SRVG35305006	1/2"	6 bar	60
SRVG35307503	3/4"	3 bar	25
SRVG35307506	3/4"	6 bar	-



## SAFETY VALVES

INTA'S RANGE OF CPR COMPLIANT SAFETY RELIEF VALVES HAVE BEEN DESIGNED TO PROTECT CLOSED CIRCUIT WATER HEATING SYSTEMS FROM OVER PRESSURE THAT CAN BUILD UP AS A CONSEQUENCE OF HEATING THE WATER, OR ANY OTHER FAULT CONDITIONS THAT CAN RESULT IN EXCESS PRESSURE.

- Prevents damage to heating systems by relieving excess pressure
- Range of factory set discharge pressures 2.5, 3, 4.75, 6, 7 and 8 bar
- Available with a pressure gauge
- Built in accordance to EN 4126-1
- Maximum operating pressure (static) 10 bar
- Maximum working temperature 90°C
- PED category IV
- Complies with European directive 97/23/CE
- Fully CPR compliant



DATA SHEETS, INSTALLATION INSTRUCTIONS & MAINTENANCE

## SAFETY VALVES AND GAUGES

### SAFETY RELIEF VALVE F X F WITHOUT GAUGE

CODE	SIZE	PRESSURE SETTING	BOX QTY
SRV035105025	1/2"	2.5 bar	100
SRV035105003	1/2"	3 bar	100
SRV035105006	1/2"	6 bar	100
SRV035105007	1/2"	7 bar	-
SRV035105008	1/2"	8 bar	-
SRV035107503	3/4"	3 bar	50
SRV035107506	3/4"	6 bar	100
SRV035107507	3/4"	7 bar	30
SRV035107508	3/4"	8 bar	-



### SAFETY RELIEF VALVE 1/2" M X F WITHOUT GAUGE

CODE	PRESSURE SETTING	BOX QTY
SRV035205003	3 bar	50
SRV035205006	6 bar	25
SRV035205008	8 bar	100

CODE	DESCRIPTION
SRVPPM	15mm push-fit safety relief valve 3 bar setting



SRVPPM

### GAUGES WITH PTFE SEALING RING

CODE	PRESSURE	CONNECTION	SIZE	DIAL SIZE MM
GP1576004	4 bar	back	1/4"	Ø50
GP1576006	6 bar	back	1/4"	Ø50
GP1576010	10 bar	back	1/4"	Ø50
GP1536004	4 bar	bottom	1/4"	Ø50
GP1536006	6 bar	bottom	1/4"	Ø50
GP1536010	10 bar	bottom	1/4"	Ø50



### STANDARD PRESSURE GAUGES

CODE	PRESSURE	CONNECTION	SIZE	DIAL SIZE MM
G410038BK	4 bar	back	3/8"	Ø100
G610038BK	6 bar	back	3/8"	Ø100
G2110038BK	25 bar	back	3/8"	Ø100
G610038BT	6 bar	bottom	3/8"	Ø100
G1010038BT	10 bar	bottom	3/8"	Ø100
G105014BT	10 bar	bottom	1/4"	Ø50



## TEMPERATURE AND PRESSURE VALVES

INTA'S TEMPERATURE AND PRESSURE RELIEF VALVES (T & P) ARE DESIGNED TO DISCHARGE EXCESS PRESSURE WHICH BUILDS UP INSIDE SEALED SYSTEMS DURING THE HEATING CYCLE.

If the water inside the cylinder reaches above 90°C the T & P valve will discharge the hot water, protecting the cylinder and components from excessive temperatures. During normal operating conditions nothing is discharged from the valve.

- Fully complies with BS EN 1490
- Prevents damage to sealed systems by relieving excess pressure
- Factory pre-set temperature discharge at 90°C - non adjustable
- Range of factory set discharge pressures available
- Available with long or short probes and 1/2" or 3/4" connections
- DZR brass body
- Fully CPR compliant



DATA SHEETS, INSTALLATION INSTRUCTIONS & MAINTENANCE

## TEMPERATURE AND PRESSURE VALVES

### TEMPERATURE AND PRESSURE RELIEF VALVES 1/2" MALE X 15MM

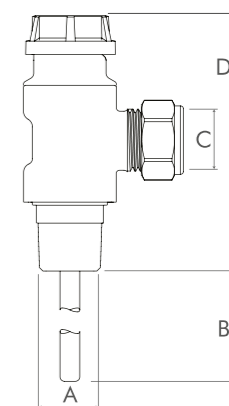
CODE	SIZE	A	B	C	D	PRESSURE SETTING
TP220105004	1/2" x 15mm	1/2"	96mm	15mm	83	4 bar
TP220105006	1/2" x 15mm	1/2"	96mm	15mm	83	6 bar
TP220105010	1/2" x 15mm	1/2"	96mm	15mm	83	10 bar
TPLP220105004	1/2" x 15mm	1/2"	199mm	15mm	83	4 bar
TPLP220105006	1/2" x 15mm	1/2"	199mm	15mm	83	6 bar
TPLP220105007	1/2" x 15mm	1/2"	199mm	15mm	83	7 bar
TPLP220105010	1/2" x 15mm	1/2"	199mm	15mm	83	10 bar
TP121007B	1/2" x 15mm	1/2"	102mm	15mm	85	7 bar

Note: TP121007B image not shown.



### TEMPERATURE AND PRESSURE RELIEF VALVES 3/4" MALE X 22MM

CODE	SIZE	A	B	C	D	PRESSURE SETTING
TP3422004	3/4" x 22mm	3/4"	96mm	22mm	83	4 bar
TP3422006	3/4" x 22mm	3/4"	96mm	22mm	83	6 bar
TP3422007	3/4" x 22mm	3/4"	96mm	22mm	83	7 bar
TP3422010	3/4" x 22mm	3/4"	96mm	22mm	83	10 bar
TPLP3422004	3/4" x 22mm	3/4"	199mm	22mm	83	4 bar
TPLP3422006	3/4" x 22mm	3/4"	199mm	22mm	83	6 bar
TPLP3422007	3/4" x 22mm	3/4"	199mm	22mm	83	7 bar
TPLP3422010	3/4" x 22mm	3/4"	199mm	22mm	83	10 bar



### PLASTIC TUNDISH

CODE	DESCRIPTION
TUN23711522*	15mm x 22mm straight tundish
TUN12M34FA	1/2" Male x 3/4" female angled tundish
TUN34M1FA	3/4" Male x 1" female angled tundish
TUN1522	15mm x 22mm straight plastic tundish



## UNVENTED GROUP SETS

INTA'S UNVENTED GROUP SETS HAVE BEEN SPECIFICALLY DESIGNED TO CONTROL THE PRESSURE TO UNVENTED HOT WATER SYSTEMS.

Each unvented group set comprises a pressure reducing valve, a non return valve, a balanced cold feed outlet, safety relief valve and expansion vessel connection if required.

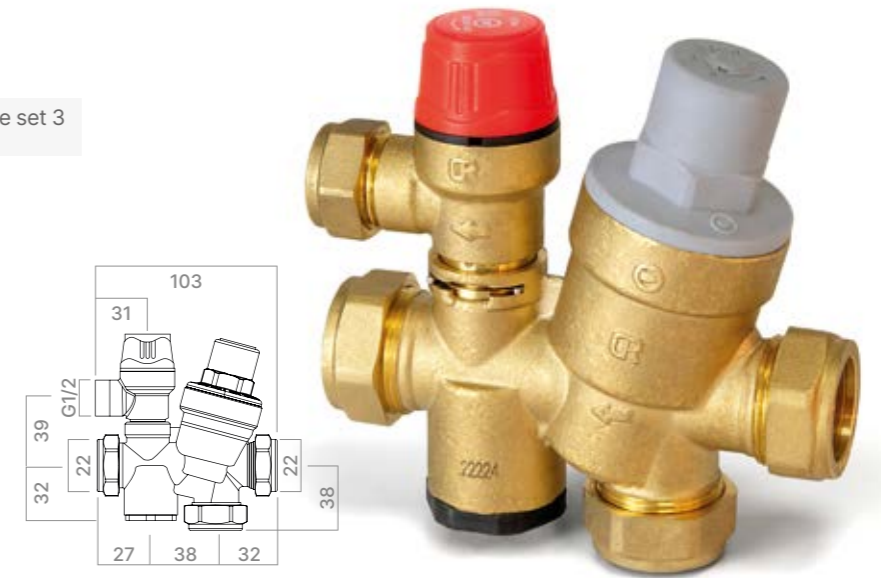
- Controls inlet pressure to unvented hot water systems
- Provides a balanced cold feed
- Combines a PRV, SRV and check valve in one fitting
- Cold water outlet provides a balanced hot and cold feed
- Optional expansion vessel connection available
- Fully complies with BS EN 12897:2016
- CPR compliant product
- PRV factory set at 3 bar
- SRV available in 4.75 and 6 bar discharge pressures



DATA SHEETS, INSTALLATION INSTRUCTIONS & MAINTENANCE

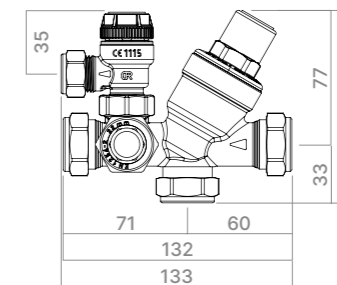
### UNVENTED GROUP SET

CODE	DESCRIPTION
UVGS22BC	22mm Unvented group set pre set 3 bar PRV 6 bar SRV

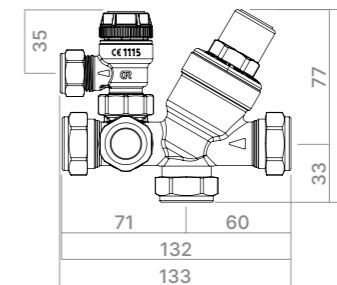


### UNVENTED GROUP SET WITH EXPANSION VESSEL CONNECTION

CODE	DESCRIPTION
UVGS21822220.1	22mm Inlet 3 bar PRV, 6 bar SRV, unvented group set with 22mm expansion vessel connection

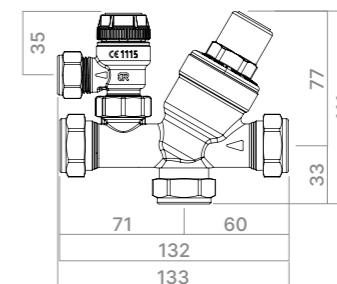


CODE	DESCRIPTION
UVGS21822210.1	22mm Inlet 3 bar PRV, 6 bar SRV, unvented group set with 3/4" expansion vessel connection
UVGS21822200.1	22mm Inlet 3 bar PRV, 4.75 bar SRV, unvented group set with 3/4" expansion vessel connection



### UNVENTED GROUP SET WITHOUT EXPANSION VESSEL CONNECTION

CODE	DESCRIPTION
UVGS21822260.1	22mm Inlet 3 bar PRV, 6 bar SRV, unvented group set, no vessel connection



## UNVENTED WATER HEATER ACCESSORY PACKS

AVAILABLE IN A WIDE VARIETY OF KITS TO SUIT THE MAJORITY OF INSTALLATIONS.

Inta's range of unvented water heater accessory packs are designed to help protect water heaters from excess pressures from the water main, prevent cross-contamination, and provide a means of safe pressure relief in the event of fault conditions.

- Protects water heaters from excess pressure
- Prevents cross-contamination
- Expansion vessel absorbs increased water volume as it's heated
- WRAS-approved 2 litre potable expansion vessel
- DZR brass pressure reducing valve
- CPR compliant safety relief valve
- Chrome finish single check valve
- Wide variety of kits available



WRAS approval applies to expansion vessel only

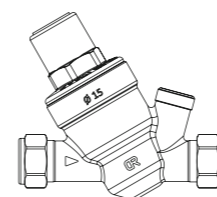


DATA SHEETS, INSTALLATION INSTRUCTIONS & MAINTENANCE

## UNVENTED WATER HEATER ACCESSORY PACKS

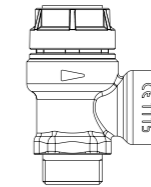
### UNVENTED WATER HEATER ACCESSORY PACKS

CODE	DESCRIPTION
INAQ2	2 Litre potable vessel and single check valve
INAQ3	1/2" Pressure reducing valve
INAQ4	2 Litre potable vessel, single check valve, pressure reducing valve, safety relief valve
INAQ5	2 Litre potable vessel, single check valve and safety relief valve
INAQ6	2 Litre potable vessel, single check valve and pressure reducing valve
INAQ7	2 Litre potable vessel, single check valve, pressure reducing valve, swivel safety relief valve
INAQ8	2 Litre potable vessel, single check valve and swivel safety relief valve



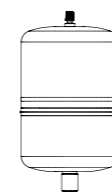
#### PRESSURE REDUCING VALVE

- Minimum operating pressure - 0.8 bar
- Adjustable pressure range - 0.8 - 7 bar
- Maximum inlet temperature - 80°C
- Maximum inlet pressure (static) - 16 bar



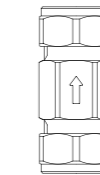
#### SAFETY RELIEF VALVE

- Factory set discharge pressure - 6 bar
- Maximum operating pressure (static) - 10 bar
- Maximum working temperature - 110°C



#### EXPANSION VESSEL

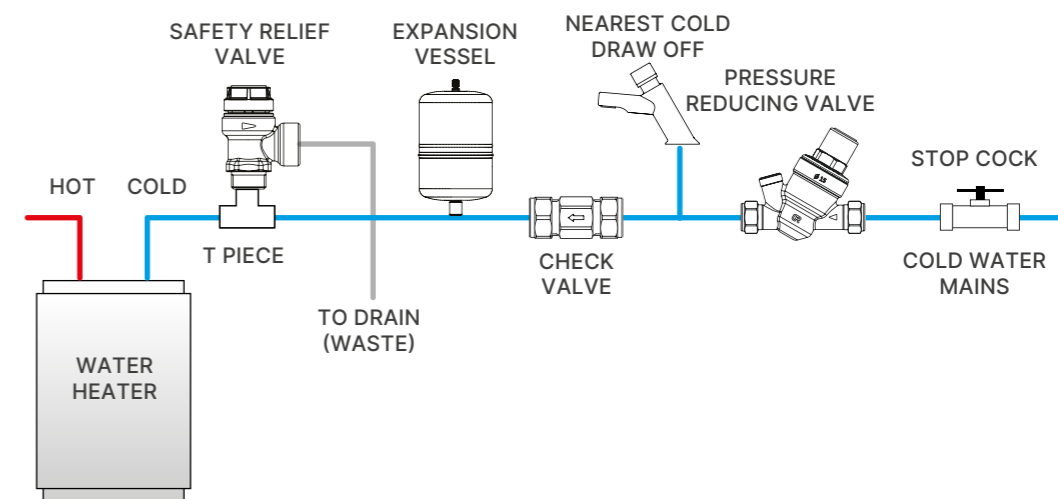
- Maximum operating pressure - 10 bar
- Maximum operating temperature - 70°C
- Factory pre-charge - 3.5 bar
- Membrane - butyl



#### SINGLE CHECK VALVE

- Minimum working pressure - 0.2 bar
- Maximum working pressure (static) - 10 bar
- Maximum working temperature - 70°C

### TYPICAL UNVENTED WATER HEATER INSTALLATION



## WATER CONDITIONING

### REDUCE THE EFFECTS OF HARD WATER

Standard approaches to water treatment rely heavily on harmful chemicals, which must be replenished frequently. Activ-Tec's ActivFlo does away with any need for such chemicals and will conveniently fit in the smallest of spaces, with no on-going maintenance required.

- No power required
- No maintenance
- No earth bonding required
- Quality Stainless Steel housing
- Improves the efficiency of heating equipment
- Extend the life of heating equipment
- Life expectancy in excess of 20 years
- Suitable for whole-house protection



Extends the life and efficiency of heating equipment.

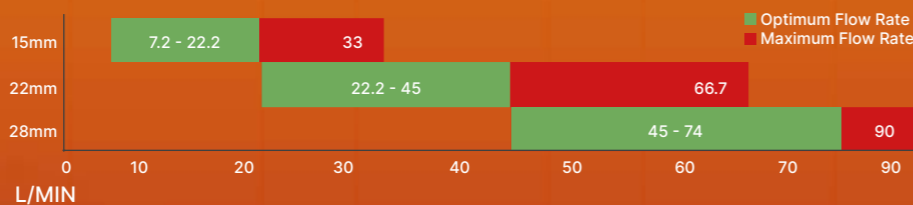


Prevents limescale from forming and actively de-scales older systems when fitted.



Conforms to the requirement of part L building regulations.

### OPERATIONAL FLOW RATES



DATA SHEETS, INSTALLATION INSTRUCTIONS & MAINTENANCE

## ACTIVFLO WATER CONDITIONING

### ACTIVFLO WATER CONDITIONER

CODE	SIZE	DESCRIPTION
AF015	15mm	15mm ActivFlo water conditioner
AF022PL	22mm	22mm ActivFlo+ with 15mm reducing set
AF022	22mm	22mm ActivFlo water conditioner
AF028	28mm	28mm ActivFlo water conditioner
AF012	1/2" BSP	1/2" ActivFlo water conditioner
AF034M	3/4" BSP	3/4" ActivFlo water conditioner
AF010	1" BSP	1" ActivFlo water conditioner



### ACTIVFLO WATER CONDITIONER FOR INDEPENDENT COMPONENT PROTECTION

CODE	SIZE	DESCRIPTION
AF012MF	1/2" M x 1/2" F	ActivFlo Solo water conditioner

- Designed for independent component protection
- Stainless Steel housing
- No power supply required
- Fit and forget installation
- Helps to maintain the operation and efficiency of equipment on fluid systems
- 15 Year manufacturers warranty
- Perfect for showers, dishwashers, heaters and fountains



### ACTIVFLO LITE WATER CONDITIONER

The ActivFlo Lite is the latest addition to the ActivFlo Range of water conditioners and has been specifically designed to help combat against limescale build-up in homes and systems.

The electrolytic operation of ActivFlo Lite helps to prevent scale build-up inside pipework and on external surfaces.

CODE	SIZE	DESCRIPTION
AFL015 *	15mm	15mm ActivFlo Lite water conditioner
AFL022 *	22mm	22mm ActivFlo Lite water conditioner
AFL028 *	28mm	28mm ActivFlo Lite water conditioner
AFL012.1 *	1/2" M	1/2" ActivFlo Lite water conditioner
AFL034.1 *	3/4" M	3/4" ActivFlo Lite water conditioner
AFL010.1 *	1" M	1" ActivFlo Lite water conditioner
AFL0114.1 *	1 1/4" M	1 1/4" ActivFlo Lite water conditioner
AFL0112.1 *	1 1/2" M	1 1/2" ActivFlo Lite water conditioner
AFL012MFC.1	1/2" M x 1/2" F	ActivFlo Solo Lite water conditioner (Chrome)
AFL012MFB.1	1/2" M x 1/2" F	ActivFlo Solo Lite water conditioner (Black)

- Whole-house protection
- Improved internal flow coil
- Stainless Steel sleeve to enhance the ionization process
- No running costs
- Low pressure drop
- Internal slip socket for ease of installation
- For sizing information please visit [www.activ-tec.com](http://www.activ-tec.com)



NEW & IMPROVED





# THE SOLUTION TO HARD WATER IN INDUSTRIAL, COMMERCIAL AND AGRICULTURAL OPERATIONS.

THE PRINCIPAL DIFFERENCES BETWEEN THE DOMESTIC ACTIVFLO AND THE PRO VERSION IS THE ADDITION OF A POWER VOLTAGE REGULATOR TO INCREASE THE PERFORMANCE OF THE UNIT.

- No chemicals
- No magnets
- No maintenance
- Improves the efficiency of heating equipment
- Extend the life of heating equipment
- Quality Stainless Steel housing
- All products carry a 15 year manufacturer's warranty
- Life expectancy in excess of 20 years
- Suitable for whole system protection



DATA SHEETS, INSTALLATION INSTRUCTIONS & MAINTENANCE

## ACTIVFLO WATER CONDITIONING



### ACTIVFLO COMMERCIAL BSP

CODE	SIZE	DESCRIPTION	OPTIMUM FLOW RATE
AF0114	1 1/4" BSP	1 1/4" ActivFlo water conditioner	75-120 Ltrs/m
AF0112	1 1/2" BSP	1 1/2" ActivFlo water conditioner	120-170 Ltrs/m
AF002	2" BSP	2" ActivFlo water conditioner	170-260 Ltrs/m
AF0025	2 1/2" BSP	2 1/2" ActivFlo water conditioner	260-350 Ltrs/m
AF003	3"	3" ActivFlo water conditioner	360-680 Ltrs/m
AF004	4"	4" ActivFlo water conditioner	680-1260 Ltrs/m
AF005	5"	5" ActivFlo water conditioner	1260-1820 Ltrs/m
AF006	6"	6" ActivFlo water conditioner	1825-3500 Ltrs/m



### ACTIVFLO PRO WATER CONDITIONER WITH POWER REGULATOR

CODE	SIZE	DESCRIPTION	OPTIMUM FLOW RATE
AFP22PR	22mm	22mm ActivFlo Pro and power regulator	22-45 Ltrs/m
AFP34PR	3/4"	3/4" ActivFlo Pro and power regulator	22-45 Ltrs/m
AFP10PR	1"	1" ActivFlo Pro and power regulator	45-74 Ltrs/m
AFR14PR	1 1/4"	1 1/4" ActivFlo Pro and power regulator	75-120 Ltrs/m
AFP112PR	1 1/2"	1 1/2" ActivFlo Pro and power regulator	120-170 Ltrs/m
AFP20PR	2"	2" ActivFlo Pro and power regulator	170-260 Ltrs/m
AFP212FPR	2 1/2"	2 1/2" ActivFlo Pro and power regulator	260-350 Ltrs/m
AFP30FPR	3"	3" ActivFlo Pro and power regulator	360-680 Ltrs/m
AFP40FPR	4"	4" ActivFlo Pro and power regulator	680-1260 Ltrs/m
AFP50FPR	5"	5" ActivFlo Pro and power regulator	1260-1820 Ltrs/m
AFP60FPR	6"	6" ActivFlo Pro and power regulator	1825-3500 Ltrs/m
AFP80FPR	8"	8" ActivFlo Pro and power regulator	3500-5600 Ltrs/m



# Activ LEAK SENSE

LEAK DEFENCE TECHNOLOGY

## SMARTER PLUMBING STARTS HERE.

### THE ULTIMATE LEAK DEFENCE TECHNOLOGY.

Protect properties from unexpected water damage with Activ Leak Sense – a state-of-the-art ultrasonic leak detection system designed to safeguard residential environments.

Using advanced ultrasonic sensing technology, Activ Leak Sense continuously monitors water flow, detecting leaks with precision before they become a serious problem. Whether it's a slow, hidden drip or a sudden burst pipe, the system responds intelligently to prevent flooding and minimise damage.

- Live data feedback - Monitoring flow, pressure & temperature
- Remote ON/OFF water isolation
- Connect up to 8 remote flood sensors

Compatible with Smart Life App

Download on the App Store

GET IT ON Google Play



Can detect even the smallest microleaks

Know about a burst pipe almost instantly

Avoid hidden floods with smart flood sensors in service areas

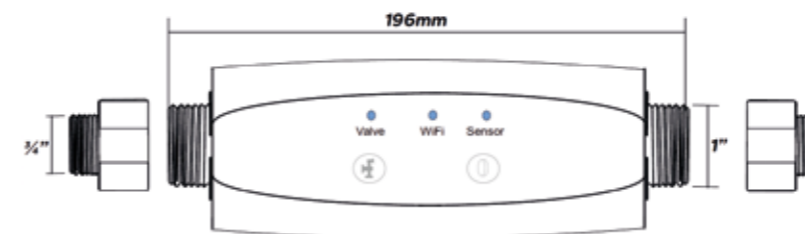


For more information visit [www.intatec.co.uk](http://www.intatec.co.uk)

### ACTIV LEAK SENSE

CODE	DESCRIPTION
ALS01	Activ Leak Sense leak prevention device

- Maximum Operating Pressure: **8 Bar**
- Inlet Temperature Range: **4 - 45°C**
- Ambient Temperature Range: **-10°C - 50°C**
- Maximum Flow Rate: **3600L/H**
- Protection Class: **IPX4**
- Power Supply: **230v Plug Transformer - 12v**
- Battery Backup: **4 x AA Battery**
- Plug Spec: **G Type**
- WiFi Connectivity: **2.4GHz**
- Minimum Flow Detection: **0.033 l/min**
- Flow Parameter Range: **2 - 990 Litres**



### ACTIV LEAK SENSE FLOOD SENSOR

CODE	DESCRIPTION
ALFS01	Activ Leak Sense flood sensor x 1



### APP INTERFACE

- Frost protection warning
- Water usage calculator
- Programmable parameters
- IOS & Android compatible
- Live data feedback - monitoring flow, pressure & temperature
- Remote ON/OFF water isolation - connect up to 8 remote flood sensors

Compatible with Smart Life App

Download on the App Store

GET IT ON Google Play

# METERING

**THE INTA APARTMENT HUB WATER METER ASSEMBLY IS A COMBINATION VALVE PROVIDING A STOP VALVE, PRESSURE REDUCING VALVE, PRESSURE GAUGE, CLASS D WATER METER CARRIER AND DOUBLE CHECK VALVE IN ONE CONVENIENT AND EASY-TO-FIT UNIT.**

The water meter assembly valve is provided complete with a whole assembly moulded insulation cover.

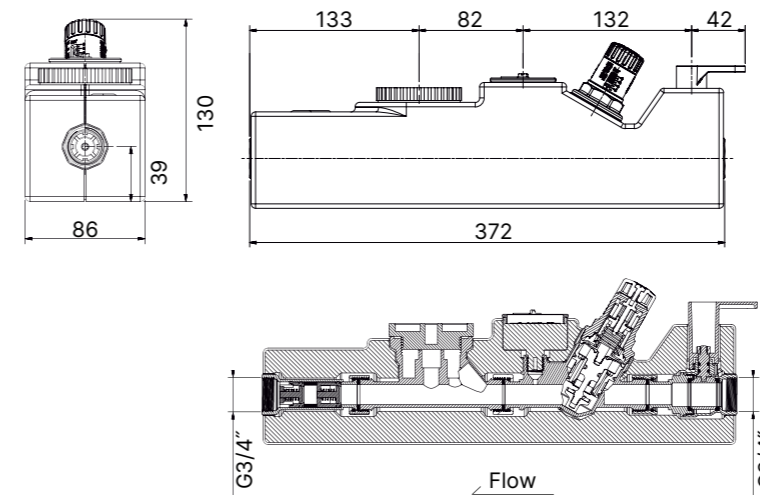
- Class D water meter carrier
- Combines an isolation valve, double check valve, pressure reducing valve, and water meter all-in-one unit
- Pressure reducing valve is pre-set to 4 bar, but can be manually adjusted to suit site conditions
- Supplied with a whole assembly insulation jacket as standard
- Double check valve to eliminate the chance of backflow
- Stop valve included to allow isolation from the rest of the system, ideal for multi-dwelling properties
- Maximum inlet pressure (static): 16 bar
- Maximum inlet temperature: 65°C
- Pre-set Pressure: 4 bar
- Pressure adjustment range: 1-6 bar
- Installation: vertical or horizontal



**DATA SHEETS, INSTALLATION INSTRUCTIONS & MAINTENANCE**

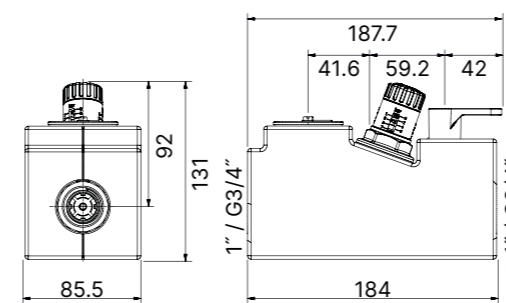
## INTA APARTMENT HUB

CODE	DESCRIPTION
WTA34	Inta Apartment Hub water meter assembly



## INTA APARTMENT HUB COMPACT

CODE	DESCRIPTION
TVC01FF-CV	Apartment valve compact 1" with check valve
TVC34FF-CV	Apartment valve compact 3/4" with check valve



## WATER METERS

CODE	DESCRIPTION	BOX QTY
WM12C	1/2" Cold water meter	10
WM34C	3/4" Cold water meter	10
WM01C	1" Cold water meter	5
WM12H	1/2" Hot water meter	10
WM34H	3/4" Hot water meter	10



## THERMAL BALANCING VALVES

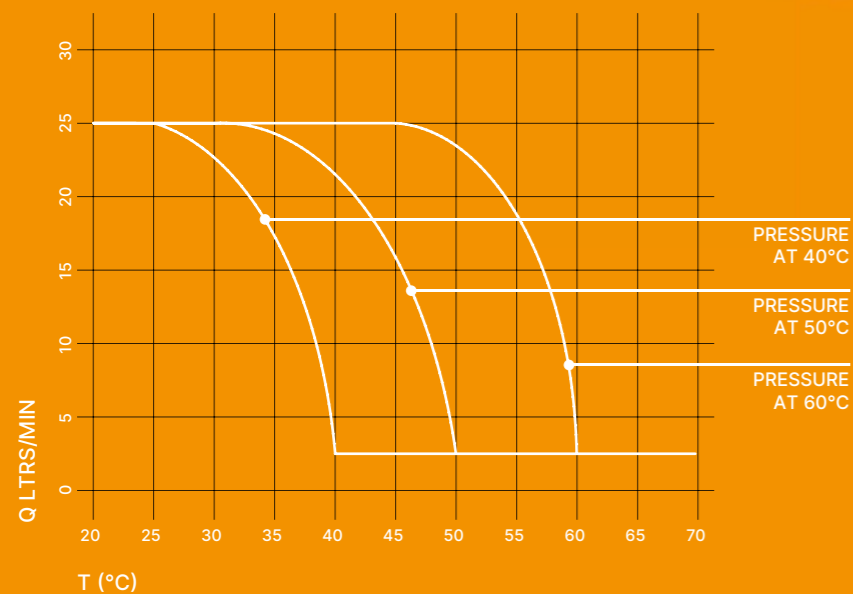
**THE INTA RANGE OF THERMAL BALANCING VALVES ARE FOR USE IN HOT WATER CIRCULATING SYSTEMS.**

The valve provides a thermal balance on the system by regulating the flow within it depending on the desired temperature setting. When this setting is reached the valve closes down to its minimum position which allows for other draw-off points to be supplied with sufficient hot water.

- Improves efficiency of DHW systems
- Thermostatic self-balancing control automatically responds to changes in system temperature and flow requirements
- Reduces heat loss through lower circulation of hot water
- Helps to keep temperature evenly distributed and reduces dead-legs
- Reduces the consequences of oversized circulation pumps
- Temperature adjustment range: 40 - 65°C
- Maximum operating pressure: 5 bar (dynamic) 10 bar (static)
- Maximum inlet temperature: 90°C
- Temperature stability:  $\pm 2^\circ\text{C}$
- Kv: 1.5



### PRESSURE DROP GRAPH

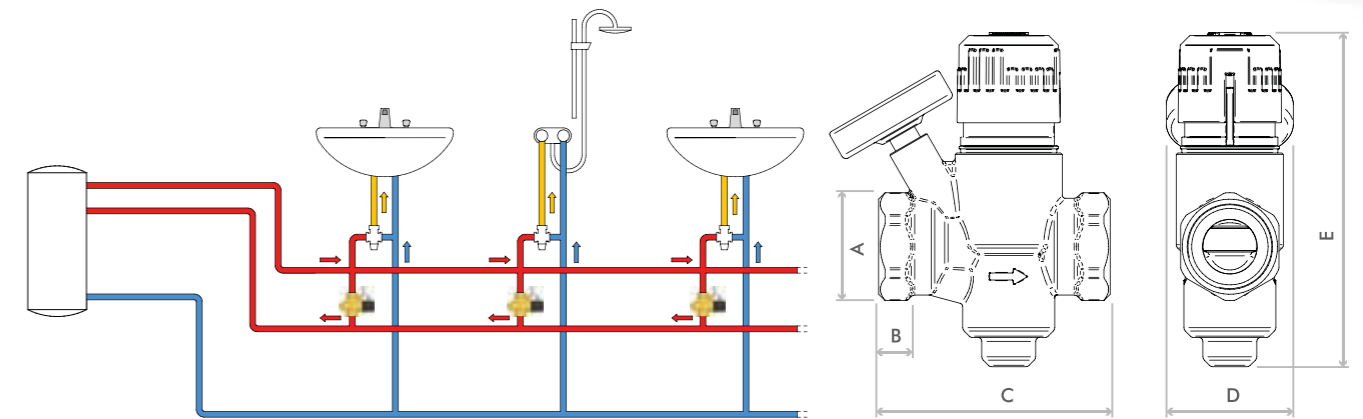


**DATA SHEETS, INSTALLATION INSTRUCTIONS & MAINTENANCE**

## THERMAL BALANCING VALVES

### THERMAL BALANCING VALVES

CODE	DESCRIPTION	A	B	C	D	E
60040CP	1/2" Thermal balancing valve	1/2"	13.5	70	40	MAX 110
60041CP	3/4" Thermal balancing valve	3/4"	13.5	73	40	MAX 110



### THERMAL BALANCING VALVE WITH THERMAL DISINFECTION BY-PASS

CODE	DESCRIPTION
60045CP	3/4" Thermal balancing valve with thermal disinfection bypass
60046CP	1" Thermal balancing valve with thermal disinfection bypass
60047CP	3/4" Thermal balancing valve with thermal disinfection bypass and actuator
60048CP	1" Thermal balancing valve with thermal disinfection bypass and actuator



### FLOW BALANCING VALVES

CODE	DESCRIPTION
FBV061905050	1/2" Flow balancing valve with dial
FBV061907550	3/4" Flow balancing valve with dial
FBV061910050	1" Flow balancing valve with dial
FBV061912550	1 1/4" Flow balancing valve with dial
FBV061915050	1 1/2" Flow balancing valve with dial
PA0932018	1/8" Pointer adapters for gauge
PT0621018	1/8" Pressure take-offs



## UNDERFLOOR HEATING

- Large area pump sets
- Covered by a 2 year manufacturers' warranty
- ERP compliant, high-efficiency Grundfos UMP3 pump
- Maximum inlet temperature 90°C
- Maximum inlet pressure of 10 bar



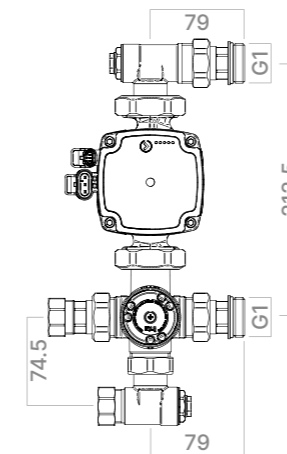
DATA SHEETS, INSTALLATION INSTRUCTIONS & MAINTENANCE

## UNDERFLOOR HEATING

### MANIFOLD PUMP MIXER SETS

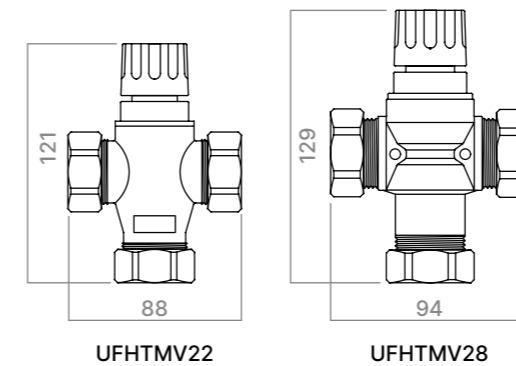
Inta's complete underfloor heating pump set is a compact unit designed to thermostatically control the temperature of water within an underfloor heating system. The kit includes the thermostatic mixing valve, an ERP compliant circulating pump, and manifold connection points.

CODE	DESCRIPTION
UFHPSET	Underfloor heating pump mixer set with brass finish
UFHPSETNK	Underfloor heating pump mixer set with nickel plated finish



### BLENDING VALVES

CODE	DESCRIPTION
UFHTMV22	22mm Underfloor heating thermostatic blending valve
UFHTMV28	28mm Underfloor heating thermostatic blending valve



## SOLAR MIXING VALVES

**INTA'S AWARD-WINNING COMBI DIVERTER VALVE ENABLES SOLAR HEATED UNVENTED CYLINDERS TO BE LINKED WITH A COMBI-BOILER.**

In the event that the cylinder temperature is only warm (or cold), the Intasol will divert the demand for hot water to the combi-boiler, blending it to maintain safe delivery temperatures.

- Links solar heating unvented cylinders to a combi-boiler
- Diverts to hot water supply from the combi-boiler in the event of low cylinder temperatures
- Maximises the use of solar heated water in the cylinder
- Provides water at a controlled optimum temperature to the end user
- Maximum static pressure 10 bar
- Maximum dynamic pressure 5 bar
- Temperature adjustment range 35 - 55°C
- Temperature stability  $\pm 2^\circ\text{C}$
- Maximum inlet temperature 100°C
- Minimum flow rate for stable temperature 6 L/min



**DATA SHEETS, INSTALLATION INSTRUCTIONS & MAINTENANCE**

## SOLAR MIXING VALVES

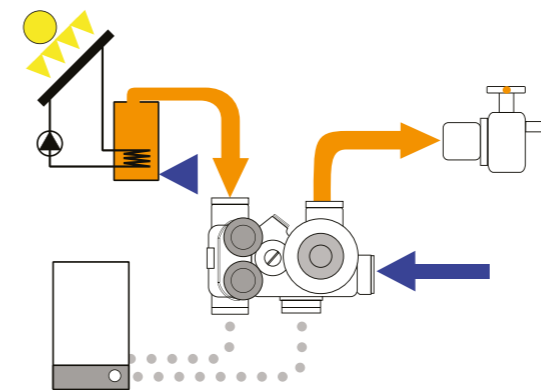
### SOLAR TMV INTASOL COMBINATION DIVERTER VALVE

CODE	DESCRIPTION
555CSD1	Solar TMV Intasol combination diverter valve



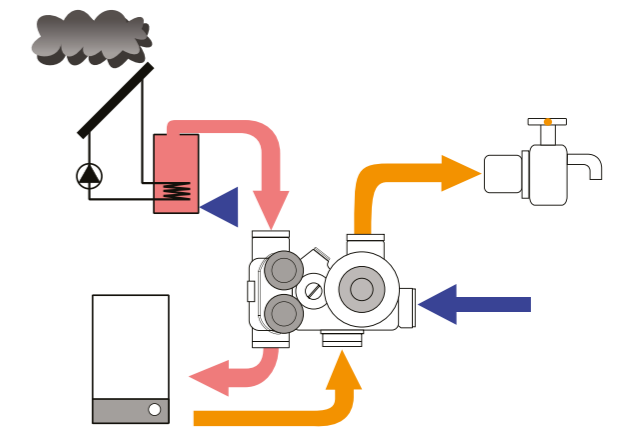
#### OPERATION EXAMPLE 1

When the domestic hot water has been heated up by the solar system, the Intasol will regulate the hot and cold water supplies, blending the water down to a safe temperature for use at the outlet.



#### OPERATION EXAMPLE 2

When the temperature in the solar heated cylinder dips below usable levels, the Intasol diverts the warm from the cylinder to combi-boiler which then heats it to a usable temperature, blending it with cold water to safe levels before delivering it to outlets.



### SOLAR-RATED THERMOSTATIC MIXING VALVES

CODE	DESCRIPTION	BOX QTY
50022SR	22mm Solar-rated thermostatic mixing valve	20
50028SR	28mm Solar-rated thermostatic mixing valve	20



### LOW PRESSURE SOLAR-RATED THERMOSTATIC MIXING VALVES

CODE	DESCRIPTION
50122SRLP	22mm Low pressure solar-rated thermostatic mixing valve





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## COMMERCIAL COLLECTION

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**FOR MORE INFORMATION  
ON OUR COMMERCIAL  
COLLECTION PLEASE SCAN**



# inta

## THERMOSTATIC MIXING VALVES

### FREQUENTLY USED APPLICATIONS



DATA SHEETS, INSTALLATION INSTRUCTIONS & MAINTENANCE

3.01

## THERMOSTATIC MIXING VALVES

### INTAMIX THERMOSTATIC MIXING VALVES

- Thermostatic control
- Anti-scald failsafe technology
- Suitable for high and low pressure
- Integral check valves

#### 40015CP

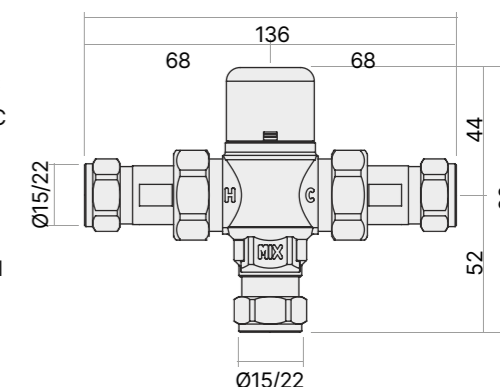
Intamix thermostatic mixing valve 15mm

#### 40022CP

Intamix thermostatic mixing valve 22mm



- Temperature adjustment range: 30°C - 50°C
- Temperature stability: ±2°C
- Max inlet temperature: 85°C
- Max operating pressure: 10 bar static
- Min inlet pressure: 0.2 bar dynamic
- Min temperature differential to achieve failsafe: 10°C
- Max pressure inlet differential: 5:1



### INTAMIX THERMOSTATIC MIXING VALVES WITH SERVICE VALVES

- Thermostatic control
- Anti-scald failsafe technology
- Suitable for high and low pressure
- Integral check valves
- Isolating ball valves

#### 400MX15CP

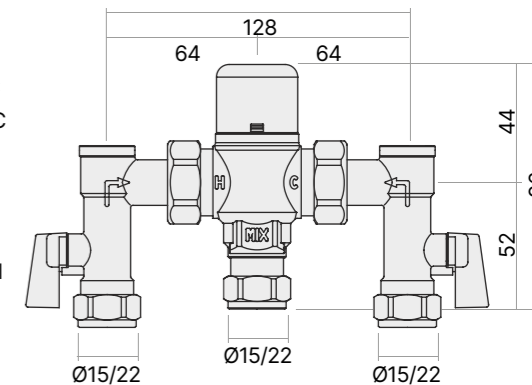
Intamix thermostatic mixing valve 15mm with service valves

#### 400MX22CP

Intamix thermostatic mixing valve 22mm with service valves



- Temperature adjustment range: 30°C - 50°C
- Temperature stability: ±2°C
- Max inlet temperature: 85°C
- Max operating pressure: 10 bar static
- Min inlet pressure: 0.2 bar dynamic
- Min temperature differential to achieve failsafe: 10°C
- Max pressure inlet differential: 5:1



### INTAMIX THERMOSTATIC MIXING VALVES WITH SERVICE VALVES AND COMPRESSION TOP CONNECTOR

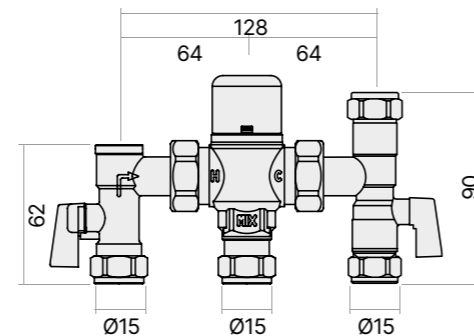


- Thermostatic control
- Anti-scald failsafe technology
- Suitable for high and low pressure
- Integral check valves and isolating ball valves with straight through connection for the cold supply

#### 400MS15CP

Intamix thermostatic mixing valve 15mm with service valves and compression top connector

- Temperature adjustment range: 30°C - 50°C
- Temperature stability: ±2°C
- Max inlet temperature: 85°C
- Max operating pressure: 10 bar static
- Min inlet pressure: 0.2 bar dynamic
- Min temperature differential to achieve failsafe: 10°C
- Max pressure inlet differential: 5:1



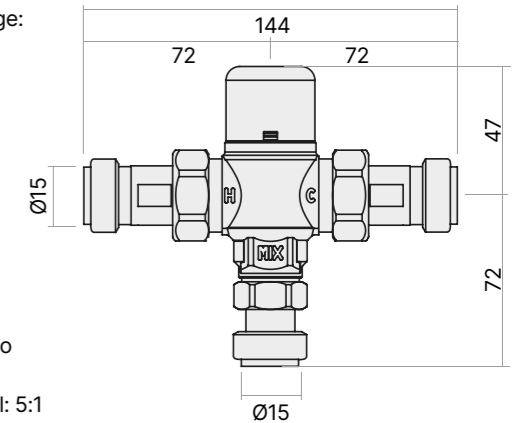
### INTAMIX PUSH-FIT THERMOSTATIC MIXING VALVE

- One valve to suit all applications
- One piece cartridge construction for ease of maintenance and replacement
- High flow rates with low pressure drops
- Building regulations Part G compliant
- Integral check valves and strainers
- Push-fit connections
- Highly resistant to scaling
- Anti-tamper proof head

#### 40015PF

Intamix push-fit thermostatic mixing valve 15mm

- Temperature adjustment range: 30°C - 50°C
- Temperature stability: ±2°C
- Max inlet temperature: 85°C
- Max operating pressure: 10 bar static
- Min inlet pressure: 0.2 bar dynamic
- Inlet temperature range: 52°C - 65°C - HOT, 5°C - 20°C - COLD
- Min temperature differential to achieve failsafe: 10°C
- Max pressure inlet differential: 5:1



### INTAMIX THERMOSTATIC MIXING VALVES WITH SERVICE VALVES AND TEST POINT



- Thermostatic control
- Anti-scald failsafe technology
- Suitable for high and low pressure
- Integral check valves, isolating ball valves and inspection points

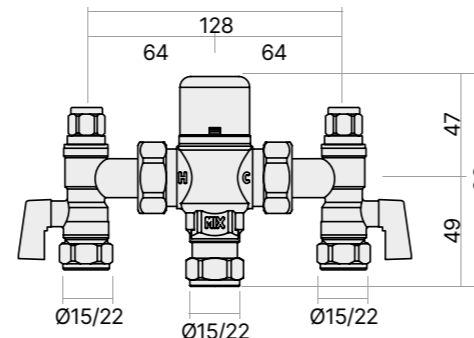
#### 400MZ15CP

Intamix thermostatic mixing valve 15mm with service valves and test point

#### 400MZ22CP

Intamix thermostatic mixing valve 22mm with service valves and test point

- Temperature adjustment range: 30°C - 50°C
- Temperature stability: ±2°C
- Max inlet temperature: 85°C
- Max operating pressure: 10 bar static
- Min inlet pressure: 0.2 bar dynamic
- Min temperature differential to achieve failsafe: 10°C
- Max pressure inlet differential: 5:1



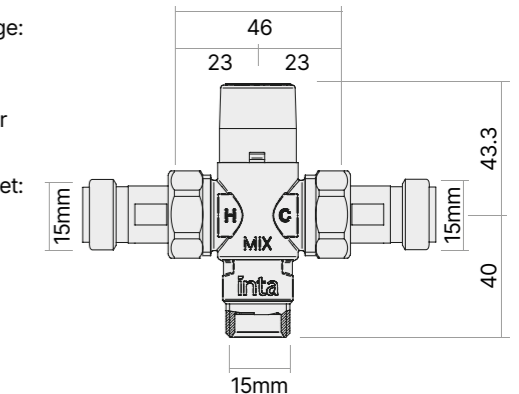
### ECOMIX THERMOSTATIC MIXING VALVE

- One valve to suit all applications
- One piece cartridge construction for ease of maintenance
- Building regulations Part G compliant
- Integral check valves and strainers
- Anti-tamper proof head

#### 600715CP

Ecomix thermostatic mixing valve 15mm

- Temperature adjustment range: 30°C - 50°C
- Max static pressure: 10 bar
- Max dynamic pressure: 10 bar
- Max inlet temperature: 90°C
- Min ΔT between inlet and outlet: 10°C
- Kv: 0.6





### T-PATTERN L MIX THERMOSTATIC FAILSAFE MIXING VALVES

- Thermostatic control
- Anti-scald failsafe technology
- Suitable for high and low pressure
- L pattern inlet arrangement to reduce installation time

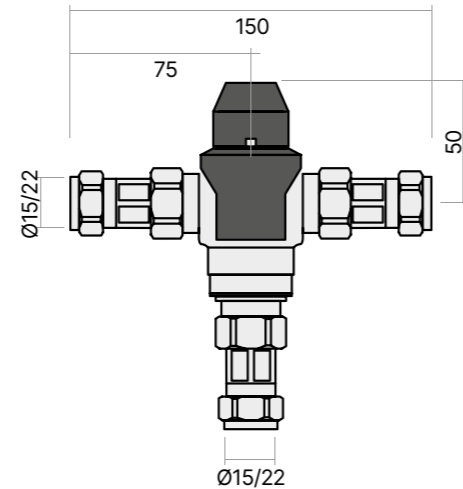
#### 60020CP

15mm T-pattern L mix thermostatic mixing valve

#### 60021CP

22mm T-pattern L mix thermostatic mixing valve

- Temperature adjustment range: 30°C - 50°C
- Temperature stability: ±2°C
- Max inlet temperature: 85°C
- Max operating pressure: 10 bar static
- Min inlet pressure: 0.2 bar dynamic
- Min temperature differential to achieve failsafe: 10°C
- Max pressure inlet differential: 5:1



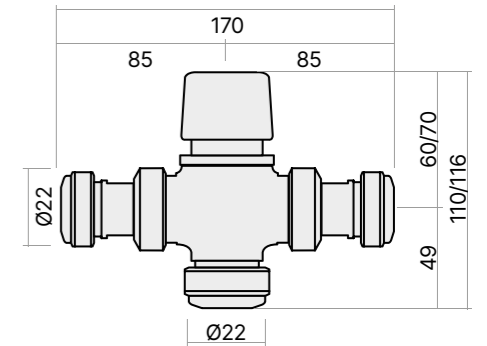
### INTAMIX LOW PRESSURE UNDER BATH THERMOSTATIC MIXING VALVE

- Thermostatic control
- Large flow rates with low pressure drops
- Anti-scald failsafe technology
- Ideal for under-bath thermostatic control

#### 60007CP

Intamix low pressure under bath thermostatic mixing valve 22mm compression

- Temperature adjustment range: 25°C - 50°C
- Temperature stability: ±2°C
- Max inlet temperature: 85°C
- Max operating pressure: 10 bar static
- Min inlet pressure: 0.2 bar dynamic
- Min temperature differential to achieve failsafe: 10°C
- Max pressure inlet differential: 5:1



### L MIX THERMOSTATIC FAILSAFE MIXING VALVES

- Thermostatic control
- Anti-scald failsafe technology
- Suitable for high and low pressure
- L pattern inlet arrangement to reduce installation time

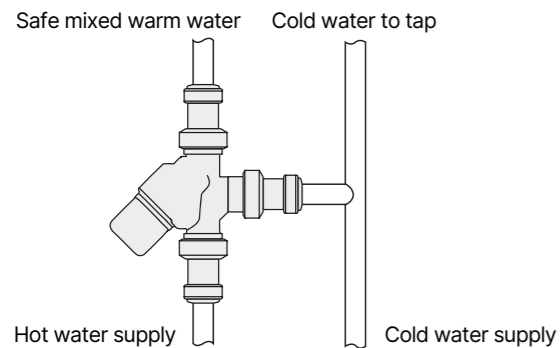
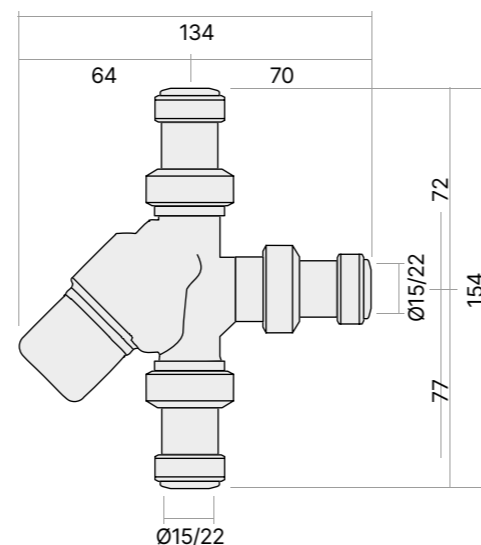
#### 60010CP

Intamix L-mix 15mm

#### 60011CP

Intamix L-mix 22mm

- Temperature adjustment range: 30°C - 50°C
- Temperature stability: ±2°C
- Max inlet temperature: 85°C
- Max operating pressure: 10 bar static
- Min inlet pressure: 0.2 bar dynamic
- Min temperature differential to achieve failsafe: 10°C
- Max pressure inlet differential: 5:1



### INTAMIX LOW PRESSURE UNDER BATH THERMOSTATIC MIXING VALVE

- Thermostatic control
- Large flow rates with low pressure drops
- Anti-scald failsafe technology
- Ideal for under-bath thermostatic control

#### 41028CPB

Intamix 28mm thermostatic mixing valve with isolation unions and check valves

- Temperature adjustment range: 25°C - 50°C
- Temperature stability: ±2°C
- Max inlet temperature: 85°C
- Max operating pressure: 10 bar static
- Min inlet pressure: 0.2 bar dynamic
- Min temperature differential to achieve failsafe: 10°C
- Max pressure inlet differential: 5:1



### INTAMIX PRO THERMOSTATIC GROUP MIXING VALVES



#### 60001CP

1/2" Screwed male iron with check valves

#### 60003CP

3/4" Screwed male iron with check valves

#### 60004CP

1" Screwed male iron with check valves

#### 60005CP

1 1/4" Screwed male iron with check valves

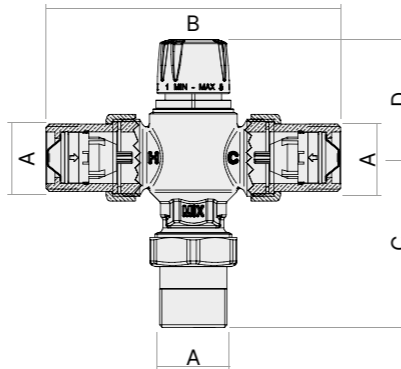
#### 60006CP

1 1/2" Screwed male iron

#### 60023CP

2" Screwed male iron

- Temperature adjustment range: 30°C - 65°C
- Temperature stability: ±2°C
- Max inlet temperature: 90°C
- Max operating pressure: 10 bar static
- Min inlet pressure: 0.2 bar dynamic
- Max pressure inlet differential: 2:1



CODE	A	B	C	D
60001CP	1/2"	108	67	55
60003CP	3/4"	118	72	55
60004CP	1"	165	96	79
60005CP	1 1/4"	183	105	79
60006CP	1 1/2"	217	125.5	100
60023CP	2"	238	138.5	100



COMMERCIAL LEISURE

### INTAMIX PRO V THERMOSTATIC GROUP MIXING VALVES



- Thermostatic control
- Large flow rates with low pressure drops for group mixing
- Integral check valve and isolating ball valves

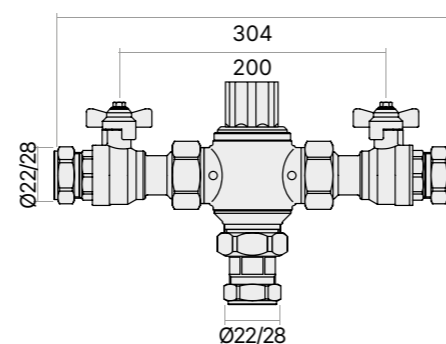
#### 61022CPB

Intamix Pro V 22mm with isolating unions

#### 61028CPB

Intamix Pro V 28mm with isolating unions

- Temperature adjustment range: 30°C - 65°C
- Temperature stability: ±2°C
- Max inlet temperature: 85°C
- Max operating pressure: 14 bar static
- Min inlet pressure: 0.2 bar dynamic
- Max pressure inlet differential: 2:1



COMMERCIAL LEISURE

### ADJUSTABLE OEM MIXING VALVE

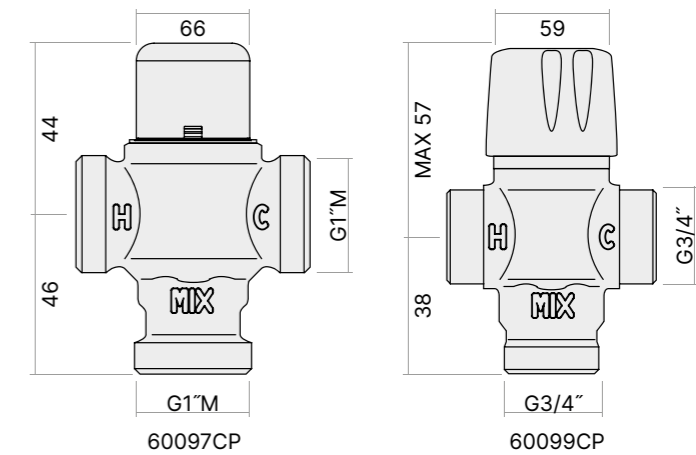
#### 60097CP

Adjustable OEM mixing valve - 1" male

#### 60099CP

Adjustable OEM mixing valve - 3/4" male

- Temperature adjustment range: 30 - 65°C
- Temperature stability: ±2°C
- Max dynamic pressure: 5 bar
- Max inlet pressure differential: 2: 1
- Max inlet temperature: 90°C
- Min temperature differential: 10°C



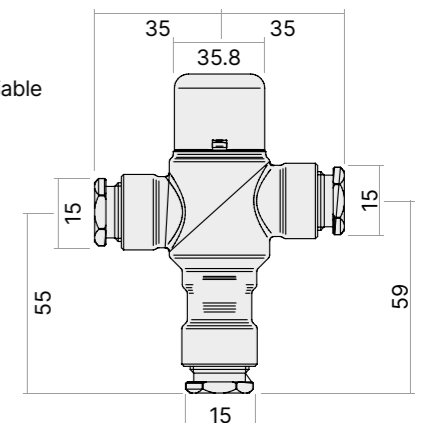
### PRE SET 45°C OEM MIXING VALVE

- Thermostatic control
- Large flow rates with low pressure drops for group mixing
- Integral check valve and isolating ball valves

#### 60096CP

Pre-set OEM mixing valve - 15mm

- Simple to install
- Off-set inlet connections
- Anti-tamper proof head robust and reliable
- Max static pressure: 10 bar
- Max dynamic pressure: 5 bar
- Max inlet temperature: 85°C
- Kv 1.6 m³/h



## INTAMIX DELTA

### FREQUENTLY USED APPLICATIONS



DATA SHEETS, INSTALLATION INSTRUCTIONS & MAINTENANCE

## INTAMIX DELTA

### intamix DELTA THERMOSTATIC MIXING VALVES



- Specifically designed for heat networks where the maximum distribution temperature is 50°C
- A 5°ΔT between the hot inlet and mixed outlet ensures the valve will still achieve cold water failsafe even with lower inlet temperatures
- Designed for use with bath taps or manual mixer to reduce the max hot water temperature down to a safe and comfortable bathing temperature
- Flat face unions allow for easy maintenance of the valve
- High flow rates with low pressure drops  
Integral check valves and strainers

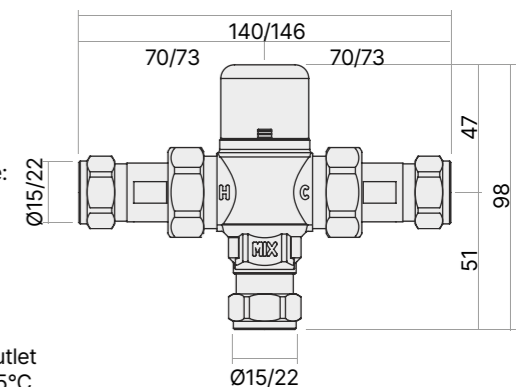
#### DT40015CP

Intamix Delta thermostatic mixing valve 15mm

#### DT40022CP

Intamix Delta thermostatic mixing valve 22mm

- Max inlet pressure (static): 10 bar
- Min inlet pressure (dynamic): 0.2 bar
- Max inlet temperature: 85°C
- Temperature adjustment range: 30°C to 50°C
- Temperature stability: +/-2°C
- Max pressure differential: 5:1
- Application: bath filler 44°C
- Min temperature differential between hot inlet and mixed outlet to achieve cold water failsafe: 5°C



### intamix DELTA THERMOSTATIC MIXING VALVES WITH SERVICE VALVE



- Specifically designed for heat networks where the maximum distribution temperature is 50°C
- A 5°ΔT between the hot inlet and mixed outlet ensures the valve will still achieve cold water failsafe even with lower inlet temperatures
- Designed for use with bath taps or manual mixer to reduce the max hot water temperature down to a safe and comfortable bathing temperature
- Flat face unions allow for easy maintenance of the valve
- High flow rates with low pressure drops  
Integral check valves and strainers

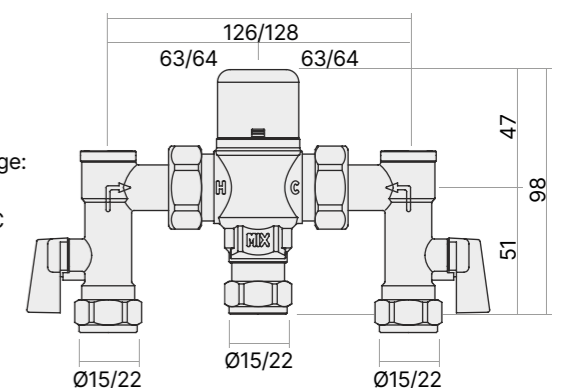
#### DT400MX15CP

Intamix Delta thermostatic mixing valve 15mm with service valves

#### DT400MX22CP

Intamix Delta thermostatic mixing valve 22mm with service valves

- Max inlet pressure (static): 10 bar
- Min inlet pressure (dynamic): 0.2 bar
- Max inlet temperature: 85°C
- Temperature adjustment range: 30°C to 50°C
- Temperature stability: +/-2°C
- Max pressure differential: 5:1
- Application: bath filler 44°C
- Min temperature differential between hot inlet and mixed outlet to achieve cold water failsafe: 5°C



## DELTA SHOWERS

### FREQUENTLY USED APPLICATIONS



DATA SHEETS, INSTALLATION INSTRUCTIONS & MAINTENANCE



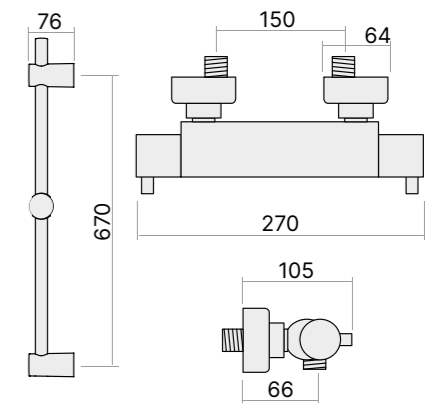
### DELTA THERMOSTATIC SINGLE OUTLET BAR SHOWER WITH FLEXIBLE SLIDE RAIL KIT AND 3 FUNCTION HANDSET

- Minimalistic body with easy to operate metal peg lever handles
- 3 function handset
- Thermostatic control
- Anti-scald fail safe technology
- Fast-fix brackets
- Slide rail kit with adjustable fixing points
- Integral check valves & strainers
- Anti-twist hose

#### DT10031CP

Delta thermostatic single outlet bar shower with flexible slide rail kit and 3 function handset

- Max Outlet Temperature: 42°C
- Max Inlet Pressure (static): 5 Bar
- Min Inlet Pressure (dynamic): 1 Bar
- Max Inlet Temperature: 60°C
- Inlet Connections: 15mm Compression
- Temperature Stability: + / -2°C
- Max Pressure Differential: 5:1
- Min temperature differential between hot inlet and mixed outlet to achieve cold water failsafe: 8°C



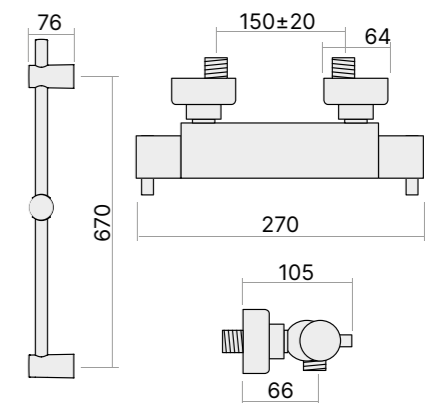
### DELTA THERMOSTATIC SINGLE OUTLET BAR SHOWER WITH FLEXIBLE SLIDE RAIL KIT, SMOOTH HOSE AND PUSH BUTTON HANDSET

- Specifically designed where the maximum distribution temperature is 50°C for safety and compliance with building regulation G3 and BS EN1111:2017
- Minimalistic body with easy to operate metal peg lever handles
- Push button, 5 function handset
- Thermostatic control
- Anti-scald fail safe technology
- Slide rail kit with adjustable fixing points
- Integral check valves & strainers
- Anti-twist hose

#### DT10035CP

Delta thermostatic single outlet bar shower with flexible slide rail kit and 3 function handset

- Max Inlet Pressure (static): 5 Bar
- Min Inlet Pressure (dynamic): 0.2 Bar
- Max Inlet Temperature: 60°C
- Inlet Connection: 3/4" BSP
- Outlet Connection: D1/2"
- Temperature Stability: + / -2°C
- Max Pressure Differential: 5:1
- Min temperature differential between hot inlet and mixed outlet to achieve cold water failsafe: 8°C



# inta

## INTATHERM SAFE-TOUCH LEVER TAPS

### FREQUENTLY USED APPLICATIONS



DATA SHEETS, INSTALLATION INSTRUCTIONS & MAINTENANCE

## 3.04 LEVER TAPS



### INTATHERM SAFE-TOUCH

- Thermostatic control with anti-scald failsafe technology
- Smooth sequential lever operated control to aid functional use for users with limited dexterity
- Safe-touch body, surface remains cool to touch during operation
- Smooth internal water ways
- Self-draining spout
- DDA compliant

#### IT1005CP

Intatherm safe-touch TMV3 thermostatic basin mixer tap with copper tails (TP6) 7 L/min

#### IT1005CP4

Intatherm safe-touch TMV3 thermostatic basin mixer tap with copper tails (TP6) 4 L/min

#### IT1006CP

Intatherm safe-touch TMV3 thermostatic basin mixer tap with extended lever and copper tails (TP6) 7 L/min

#### IT1006CP4

Intatherm safe-touch TMV3 thermostatic basin mixer tap with extended lever and copper tails (TP6) 4 L/min

#### IT1005FT

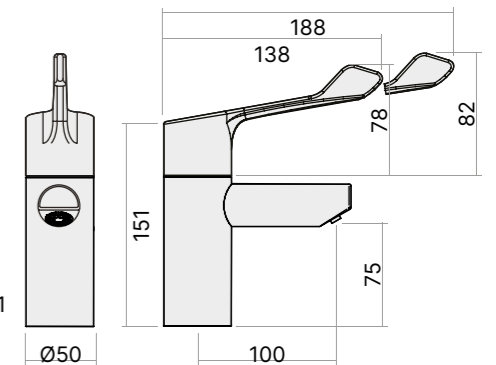
Intatherm safe-touch TMV3 thermostatic basin mixer tap with flexible tails (TP6) 7 L/min

#### IT1005FT4

Intatherm safe-touch TMV3 thermostatic basin mixer tap with flexible tails (TP6) 4 L/min



- Max inlet temperature: 85°C
- Factory set temperature: 41°C
- Temperature stability:  $\pm 2^\circ\text{C}$
- Max operating pressure: 10 bar static
- Min inlet pressure: 0.2 bar dynamic
- Min temperature differential to achieve failsafe: 10°C
- Max pressure inlet differential: 5:1



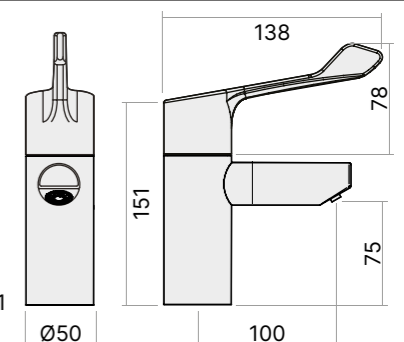
### INTATHERM SAFE-TOUCH WITH DETACHABLE SPOUT

- Thermostatic control with anti-scald failsafe technology
- Smooth sequential lever operated control to aid functional use for users with limited dexterity
- Safe-touch body, surface remains cool to touch during operation
- Smooth internal water ways
- Self-draining spout
- DDA compliant
- Copper inlet connections
- Detachable spout

#### IT1005RS

Intatherm safe-touch TMV3 thermostatic basin mixer tap with detachable spout and copper tails (TP6)

- Max inlet temperature: 85°C
- Factory set temperature: 41°C
- Temperature stability:  $\pm 2^\circ\text{C}$
- Max operating pressure: 10 bar static
- Min inlet pressure: 0.2 bar dynamic
- Min temperature differential to achieve failsafe: 10°C
- Max pressure inlet differential: 5:1





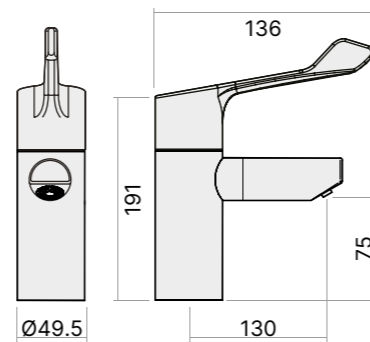
#### LOW LEAD INTATHERM SAFE-TOUCH

- Thermostatic control with anti-scald failsafe technology
- Smooth sequential lever operated control to aid functional use for users with limited dexterity
- Safe-touch body, surface remains cool to touch during operation
- Smooth internal water ways
- Self-draining spout
- DDA compliant
- Copper inlet connections
- Lead content  $\geq 0.2\%$

#### IT1005LF

Intatherm safe-touch low lead TMV3 thermostatic basin mixer tap and copper tails

- Max inlet temperature: 85°C
- Factory set temperature: 41°C
- Temperature stability:  $\pm 2^\circ\text{C}$
- Max operating pressure: 10 bar static
- Min inlet pressure: 0.2 bar dynamic
- Min temperature differential to achieve failsafe: 10°C
- Max pressure inlet differential: 5:1



#### INTATHERMECO

- Thermostatic control
- Smooth sequential lever operated control to aid functional use for users with limited dexterity
- Anti-scald failsafe technology
- Self draining spout

#### IT1008CP

Intatherm Eco thermostatic basin mixer tap with copper tails 7 L/min

#### IT1008CP4

Intatherm Eco thermostatic basin mixer tap with copper tails 4 L/min

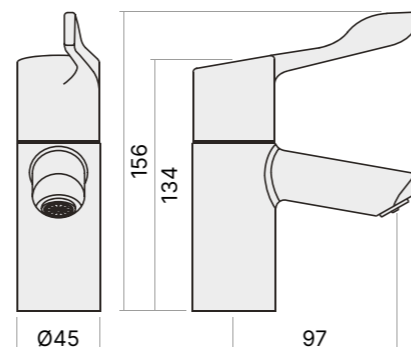
#### IT1008FT

Intatherm Eco thermostatic basin mixer tap with flexible tails 7 L/min

#### IT1008FT4

Intatherm Eco thermostatic basin mixer tap with flexible tails 4 L/min

- Max inlet temperature: 85°C
- Factory set temperature: 41°C
- Temperature stability:  $\pm 2^\circ\text{C}$
- Max operating pressure: 10 bar static
- Min inlet pressure: 0.2 bar dynamic
- Min temperature differential to achieve failsafe: 10°C
- Max pressure inlet differential: 5:1



#### INTATHERM SAFE-TOUCH SEQUENTIAL THERMOSTATIC BASIN MIXER

- Simple smooth operation
- Integral thermostatic mixing valve
- Safe-touch body, surface remains cool to touch during operation
- Self draining spout

#### IT1007CP\*

Intatherm safe-touch sequential thermostatic basin mixer and copper tails 7 L/min

#### IT1007CP4

Intatherm safe-touch sequential thermostatic basin mixer and copper tails 4 L/min

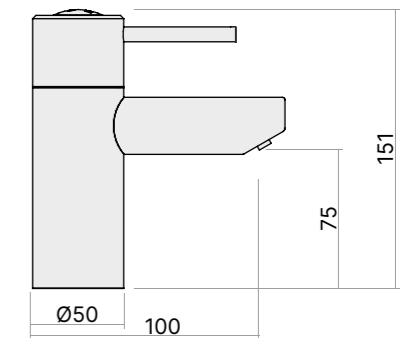
#### IT1007FT

Intatherm safe-touch sequential thermostatic basin mixer and flexible tails 7 L/min

#### IT1007FT4

Intatherm safe-touch sequential thermostatic basin mixer and flexible tails 4 L/min

- Max inlet temperature: 85°C
- Factory set temperature: 43°C
- Temperature stability:  $\pm 2^\circ\text{C}$
- Max operating pressure: 10 bar static
- Min inlet pressure: 0.2 bar dynamic
- Min temperature differential to achieve failsafe: 43°C
- Max pressure inlet differential: 5:1





## ONLY AVAILABLE FROM inta








**WHOLE-HOUSE PROTECTION!**

- No electricity, chemicals, magnets, earth bonding or maintenance.
- Quality Stainless Steel housing.
- 15 year manufacturer's warranty.

## TAKING CHARGE OF YOUR LIMESCALE



### HTM SAFE-TOUCH THERMOSTATIC SEQUENTIAL WALL-MOUNTED TAP

- Lever operation with progressive thermostatic mixing
- Complete safe-touch body
- Isolation valves, check valves and filters accessible without removing the panel or demounting the tap
- Smooth internal surfaces
- HTM04-01 compliant flow outlet and self-draining spout
- Built-in sterilisation method
- Complies with HTM64 (2006), HTM04-01, PRH8941.0.6, HBN00.09
- Removable spout for autoclaving (RS version)

#### HTMWMCP

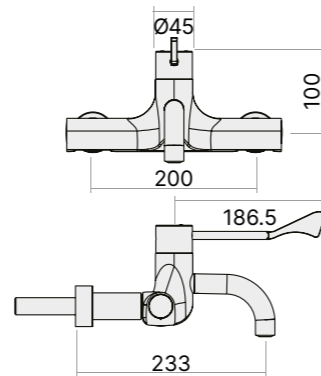
HTM (TBH 2a) safe-touch thermostatic sequential wall-mounted tap

#### HTMWMRS

HTM (TBH 2a) safe-touch thermostatic sequential wall-mounted tap with removable spout



- Min operating pressure: 1.0 bar dynamic
- Max operating pressure: 12 bar static
- Max inlet temperature: 85°C
- Inlet connections: G1/2" M BSP
- Replacement cartridge: HTMSP2XX



HEALTHCARE COMMERCIAL



### HTM SAFE-TOUCH THERMOSTATIC SEQUENTIAL MIXER TAP WITH BASIN-MOUNTING LEGS

- Lever operation with progressive thermostatic mixing
- Complete safe-touch body
- Isolation valves, check valves and filters accessible without removing the panel or demounting the tap
- Smooth internal surfaces
- HTM04-01 compliant flow outlet and self-draining spout
- Built-in sterilisation method
- Complies with HTM64 (2006), HTM04-01, PRH8941.0.6, HBN00.09
- Removable spout for autoclaving (RS version)

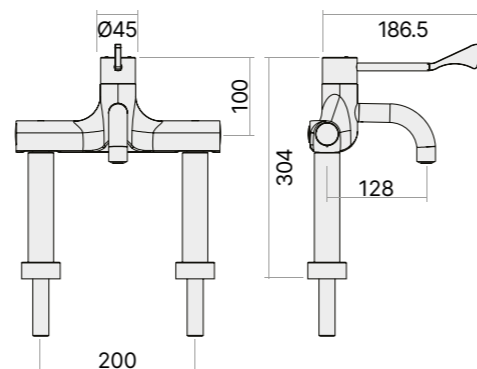
#### HTMDMCP

HTM safe-touch thermostatic sequential deck-mounted tap

#### HTMDMRS

HTM safe-touch thermostatic sequential deck-mounted tap with removable spout

- Min operating pressure: 1.0 bar dynamic
- Max operating pressure: 12 bar static
- Max inlet temperature: 85°C
- Inlet connections: G1/2" M BSP
- Replacement cartridge: HTMSP2XX



HEALTHCARE COMMERCIAL



### HTM (TB H6) SAFE-TOUCH INFRARED THERMOSTATIC WALL-MOUNTED TAP

- Infrared operation – wave on / off with 60 second pre-set flow time
- Complete safe-touch body
- Isolation valves, check valves and filters accessible without removing or demounting the tap
- Smooth internal surfaces
- 24 hour automatic hygiene flush
- HTM04-01 compliant flow outlet and self-draining spout
- Built-in sterilisation method
- Complies with HTM64 (2006), HTM04-01, PRH8941.0.6, HBN00.09
- Removable spout version for autoclaving (RS version)

#### HTMWMBCP

HTM (TB H6) safe-touch Infrared thermostatic wall-mounted tap (battery operated)

#### HTMWM MCP

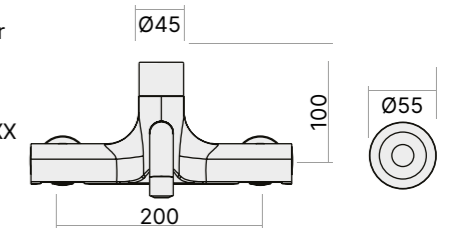
HTM (TB H6) safe-touch Infrared thermostatic wall-mounted tap (mains operated)

#### HTMWM MRS

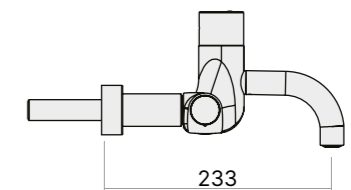
HTM (TB H6) safe-touch Infrared thermostatic wall-mounted tap with removable spout (mains operated)



- Min inlet pressure (dynamic): 1 bar
- Max inlet pressure (static): 10 bar
- Max inlet temperature: 85°C
- Replacement cartridge: HTMSP2XX



HEALTHCARE COMMERCIAL



### FLUSHING KIT FOR HTM TAPS

#### HTMFLUSH

Flushing kit for HTM taps (pairs)



**LEVER OPERATED BASIN MIXER TAP**

- Smooth sequential lever operated control to aid functional use for users with limited dexterity
- Maximum temperature limiting stop

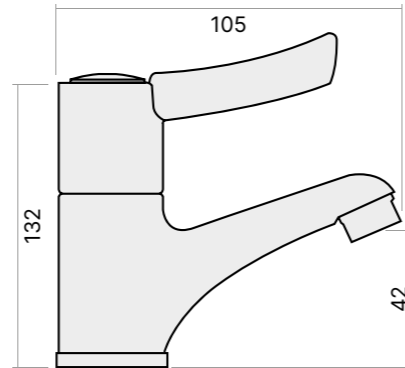
**LO980CP \***

Lever operated basin mixer tap

**LO980CT**

Lever operated basin mixer tap with copper tails

- Min operating pressure: 0.2 bar
- Max operating pressure: 5 bar
- Preferred operating range: 2-5 bar
- Max basin thickness: 36mm
- Connections: G 1/2" flexible tails (LO980CP only)
- Connections: 10mm copper tails (LO980CT only)



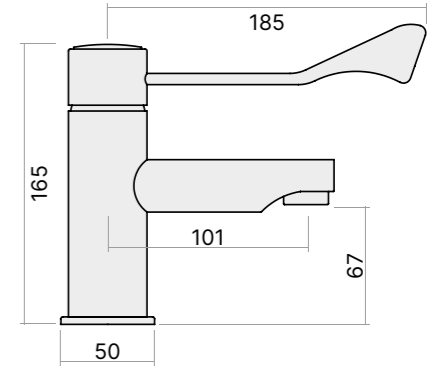
**CONTEMPORARY LEVER OPERATED MIXER TAP**

- Smooth sequential lever operated control
- Extended lever for users with limited dexterity or to avoid contact with hands

**LO985CP**

Contemporary sequential tap

- Min operating pressure: 0.5 bar
- Max operating pressure: 5 bar
- Max basin thickness: 45mm
- Connections: 10mm Ø copper tails



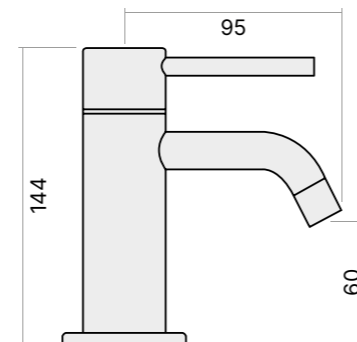
**MINIMALISTIC LEVER TAP**

- Smooth sequential lever operated control

**LO990CP**

Standard (75mm) lever minimalistic basin tap (single)

- Min operating pressure: 0.2 bar dynamic
- Max operating pressure: 10 bar static
- Max basin thickness: 26mm
- Connections: G 1/2" BSP



## ACURA CARE

FREQUENTLY USED APPLICATIONS



DATA SHEETS, INSTALLATION INSTRUCTIONS & MAINTENANCE

#### ACURA CARE CONCEALED THERMOSTATIC SEQUENTIAL SHOWER VALVE

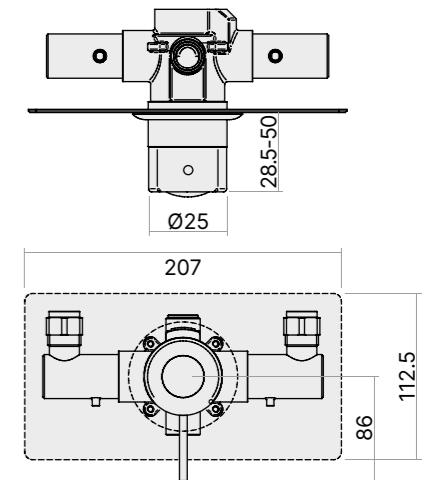
- Long lever to aid operation for users with limited dexterity
- Thermostatic sequential control
- Anti-scald failsafe technology
- With top and bottom connection



#### 79020CP

Acura Care concealed thermostatic sequential shower valve

- 10 bar max inlet pressure (static)
- 0.2 bar min inlet pressure (dynamic)
- 85°C max inlet temperature
- Factory pre-set temperature: 43°C with max temp stop
- Temperature stability:  $\pm 2^{\circ}\text{C}$
- Inlet connections: 15mm compression
- Outlet connections: 15mm compression
- Min temperature differential to achieve failsafe: 10°C
- System installation: unvented, pressurised, gravity and combination



#### ACURA CARE EXPOSED THERMOSTATIC SEQUENTIAL SHOWER VALVE

- Long levers to aid operation for users with limited dexterity
- Thermostatic sequential control
- Anti-scald failsafe technology



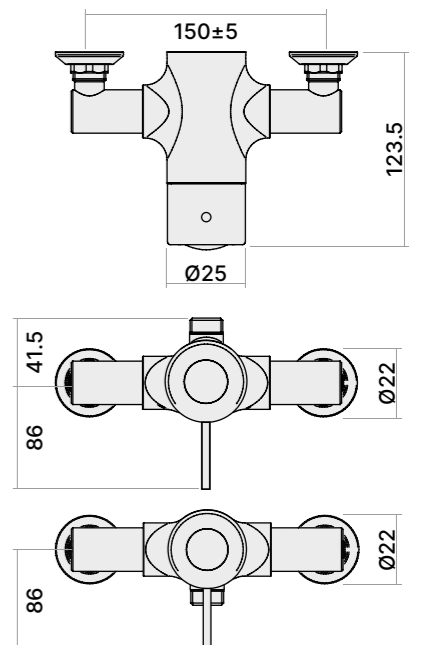
#### 79010CP

Acura Care exposed thermostatic sequential shower valve top outlet

#### 79011CP

Acura Care exposed thermostatic sequential shower valve bottom outlet

- 10 bar max inlet pressure (static)
- 0.2 bar min inlet pressure (dynamic)
- 85°C max inlet temperature
- Factory pre-set temperature: 43°C with max temp stop
- Inlet connections: 15mm compression
- Outlet connections: G 1/2" BSP (top or bottom)
- System installation: unvented, pressurised, gravity and combination



**ACURA SEQUENTIAL CONTROL EXPOSED SHOWER**

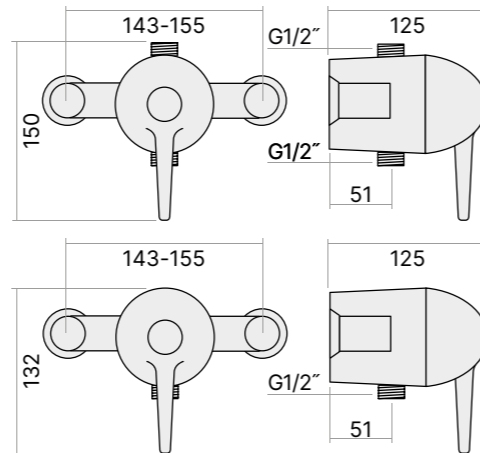
- Long lever to aid operation for users with limited dexterity
- Thermostatic sequential control
- Anti-scald failsafe technology
- Available in concealed, exposed with top and bottom connection or bottom only connection
- Can be used in conjunction with lever operated two way diverter (SDIVERT)



**90033CP**  
Acura exposed thermostatic sequential control shower with top and bottom outlet

**90030CP**  
Acura exposed thermostatic sequential control shower

- 10 bar max inlet pressure (static)
- 0.2 bar min inlet pressure (dynamic)
- 85°C max inlet temperature
- Inlet connections: 15mm compression elbows
- Outlet connections: G 1/2" BSP
- Min temperature differential to achieve failsafe: 10°C
- Thermostatic cartridge: B091169



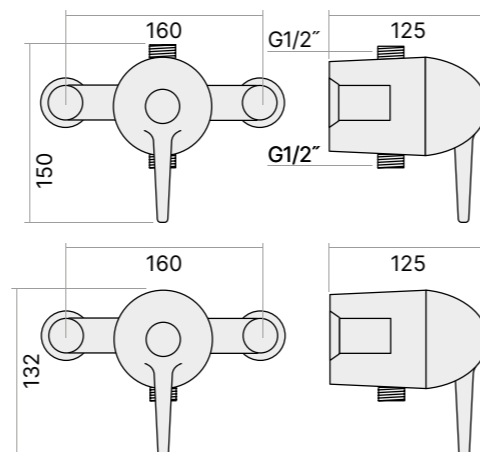
**ACURA SEQUENTIAL CONTROL EXPOSED SHOWER WITH BUILT IN ISOLATION VALVES**

- Long lever to aid operation for users with limited dexterity
- Thermostatic sequential control
- Anti-scald failsafe technology
- Isolating valves on the inlets
- Serviceable check valves
- Can be used in conjunction with lever operated two way diverter (SDIVERT)



**90034CP**  
Acura exposed thermostatic sequential control shower with top or bottom outlet and isolating inlets

- 10 bar max inlet pressure (static)
- 0.2 bar min inlet pressure (dynamic)
- 85°C max inlet temperature
- Inlet connections: 15mm compression elbows
- Outlet connections: G 1/2" BSP
- Min temperature differential to achieve failsafe: 10°C
- Thermostatic cartridge: B091169



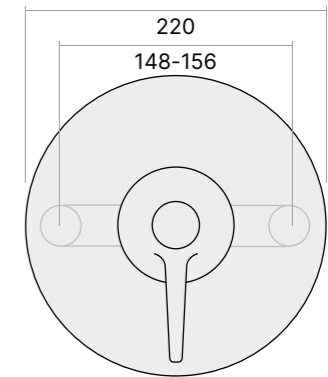
**ACURA SEQUENTIAL CONTROL CONCEALED SHOWER**

- Long lever to aid operation for users with limited dexterity
- Thermostatic sequential control
- Anti-scald failsafe technology
- Available in concealed, exposed with top and bottom connection or bottom only connection
- Can be used in conjunction with lever operated two way concealed diverter (DI7001CP)



**90032CP**  
Acura concealed thermostatic sequential control shower

- 10 bar max inlet pressure (static)
- 0.2 bar min inlet pressure (dynamic)
- 85°C max inlet temperature
- Inlet connections: 15mm compression elbows
- Outlet connections: 15mm compression
- Min temperature differential to achieve failsafe: 10°C
- Thermostatic cartridge: B091169



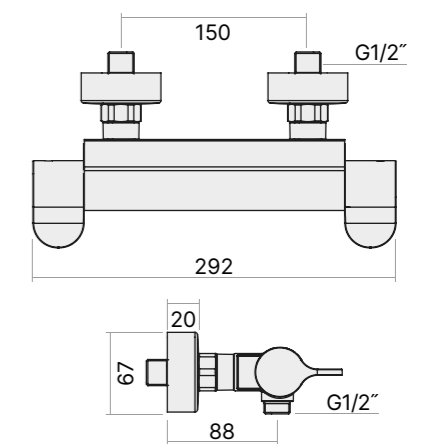
**ACURA SAFE-TOUCH THERMOSTATIC BAR SHOWER**

- Paddle handles to aid users with limited dexterity
- Thermostatic control with anti-scald failsafe technology
- Safe-touch shower body
- WRAS & TMV3 Approved - Complies with NHS D08 & BS7942
- Wide range of suitable riser kits available
- Fast-fix brackets



**ST10010CP**  
Acura TMV3 safe-touch thermostatic bar shower

- Independent control of temperature and flow
- Max inlet pressure (static): 5 bar
- Min inlet pressure (dynamic): 0.2 bar
- Max inlet temperature: 85°C
- Factory pre-set temperature: 41°C with max temp stop
- Temperature stability: ±2°C
- Max inlet pressure ratio: 5:1
- Min temperature differential between hot inlet and mixed outlet to achieve cold water failsafe: 10°C



### ACURA SAFE-TOUCH DUAL OUTLET TMV3 SHOWER

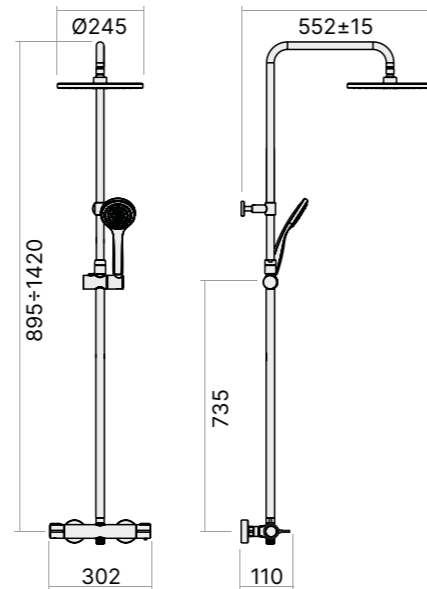
- Paddle handles to aid users with limited dexterity
- Thermostatic control with anti-scald failsafe technology
- Safe-touch shower body
- WRAS & TMV3 Approved - Complies with NHS D08 & BS7942
- Fast-fix brackets



#### ST1030CP

Acura safe-touch dual outlet thermostatic shower with telescopic riser kit, overhead soaker and handset

- Independent control of temperature and flow
- Max inlet pressure (static): 5 bar
- Min inlet pressure (dynamic): 0.5 bar
- Max inlet temperature: 85°C
- Factory pre-set temperature: 41°C with max temp stop
- Temperature stability:  $\pm 2^\circ\text{C}$
- Max inlet pressure ratio: 5:1
- Min temperature differential between hot inlet and mixed outlet to achieve cold water failsafe: 10°C



### ACURA THERMOSTATIC BATH FILLER

- Long levers to aid operation for users with limited dexterity
- Thermostatic control with anti-scald failsafe technology
- Wall or deck mounted options
- Independent control of temperature and flow



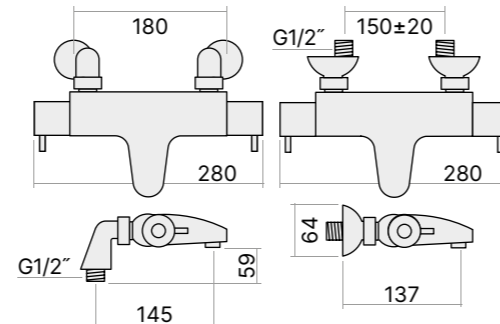
#### AC50010CP

Acura thermostatic bath filler

#### AC50020CP

Acura thermostatic bath filler with deck mounting legs

- 5 bar max inlet pressure (static)
- 0.2 bar min inlet pressure (dynamic)
- 85°C max inlet temperature
- Inlet connections: G 3/4" F BSP (valve body)
- Min temperature differential to achieve failsafe: 15°C
- Thermostatic cartridge: 10017



### EXPOSED DIVERTER VALVE

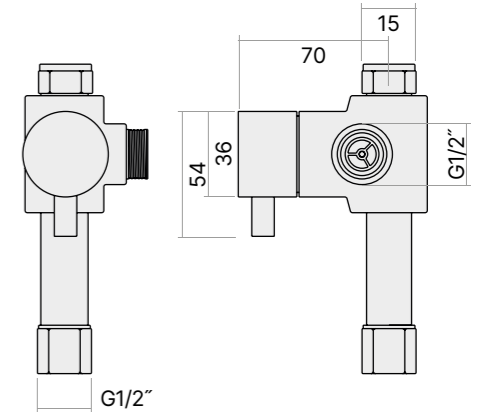
- Long lever to aid operation for users with limited dexterity
- Diverts water flow between outlets



#### SDIVERT

Exposed lever operated diverter

- 5 bar max inlet pressure (static)
- 85°C max inlet temperature
- Inlet connections: 1/2" F
- Outlet connections: 1/2" M and 15mm



### CONCEALED DIVERTER VALVE

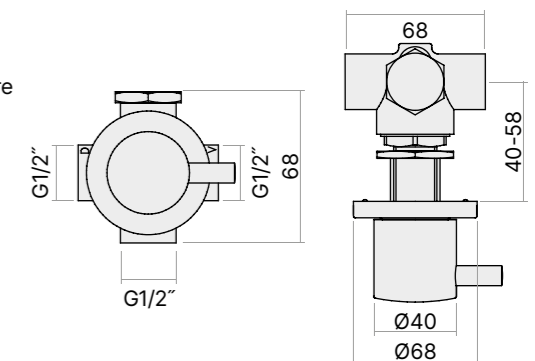
- Long lever to aid operation for users with limited dexterity
- Diverts water flow between outlets



#### DI7001CP

Concealed minimalistic 2-way diverter

- 5 bar max inlet pressure (static)
- 85°C max inlet temperature
- Inlet connections: 1/2" F
- Outlet connections: 1/2" M and 15mm



# inta

## NON-CONCUSSIVE

FREQUENTLY USED APPLICATIONS



COMMERCIAL EDUCATION LEISURE



DATA SHEETS, INSTALLATION INSTRUCTIONS & MAINTENANCE



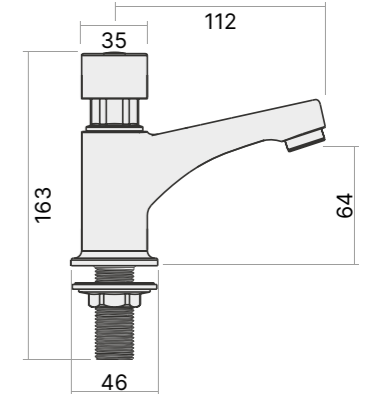
### NON-CONCUSSIVE BASIN-MOUNTED STANDARD TAP

- Timed flow control automatically closes the tap
- Intended for use with Intamix TMV

#### NC600CP

Non-concussive basin-mounted standard tap (pairs)

- Min operating pressure: 1 bar
- Max operating pressure: 6 bar
- Timed flow at 1 Bar: 15 seconds ± 5
- Max operating temperature: 65°C
- 4 L/min flow restrictors pre-installed



### NON-CONCUSSIVE BASIN-MOUNTED STANDARD TAP

- Timed flow control automatically closes the tap
- Intended for use with Intamix TMV

#### NC160CP

Non-concussive basin-mounted standard tap (pairs)

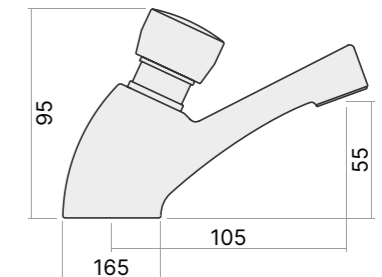
#### NC160CP(S)

Non-concussive basin-mounted standard tap (single)

#### NC160CP5

Non-concussive basin-mounted standard tap (pairs) 5 litre per min\*

- Min operating pressure: 0.2 bar dynamic
- Max operating pressure: 10 bar static
- Timed flow at 1 bar: 15 seconds ± 3
- Max basin thickness: 26mm
- Connections: G 1/2" BSP
- Cartridge: NC300CP



### NON-CONCUSSIVE WALL-MOUNTED TAP (PAIRS)

- Timed flow control automatically closes the tap
- Intended for use with Intamix TMV

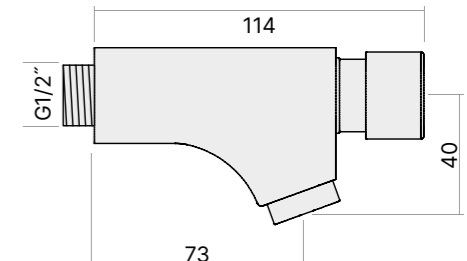
#### NC170CP

Non-concussive wall-mounted tap (pairs)

#### NC170CP5

Non-concussive wall-mounted tap (pairs) 5 litre per min\*

- Min operating pressure: 0.2 bar dynamic
- Max operating pressure: 10 bar static
- Timed flow at 1 bar: 15 seconds ± 3
- Connections: G 1/2" BSP
- Cartridge: NC300CP





### NON-CONCUSSIVE CONTEMPORARY BASIN-MOUNTED TAPS

- Timed flow control automatically closes the tap
- Intended for use with Intamix TMV

#### NC162CP

Non-concussive basin-mounted tap (pairs)

#### NC162CP(S)

Non-concussive basin-mounted tap (single)

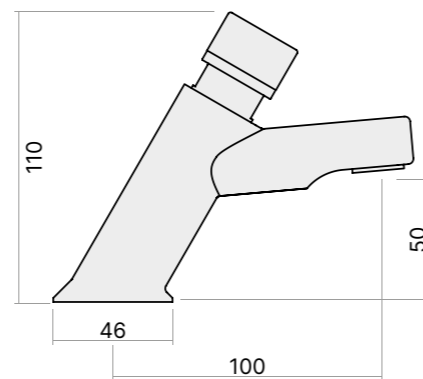
#### NC162CP5

Non-concussive basin-mounted tap (pairs) - 5 litre per min\*

#### NC162CPS5

Non-concussive basin-mounted tap (single) - 5 litre per min\*

- Min operating pressure: 0.2 bar dynamic
- Max operating pressure: 10 bar static
- Timed flow at 1 bar: 15 seconds  $\pm$  3
- Connections: G 1/2"
- Cartridge: TF008



### ADJUSTABLE FLOW TIME NON-CONCUSSIVE ANTI-BLOCK BASIN-MOUNTED TAP

- Timed flow control automatically closes the tap
- Adjustable timed flow control between 3-30 seconds (NC177CP and NC177CP(S) only)
- Anti-block feature closes the tap should the control be forced on
- Intended for use with Intamix TMV

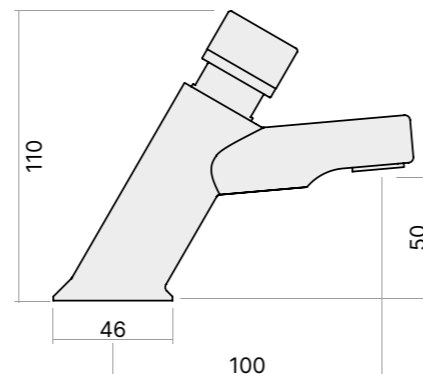
#### NC177CP

Adjustable flow time non-concussive basin-mounted tap with anti-block feature (pairs)

#### NC177CP(S)

Adjustable flow time non-concussive basin-mounted tap with anti-block feature (single)

- Adjustable flow time between 3 - 30 seconds
- Anti-block feature
- Min operating pressure: 0.5 bar dynamic
- Max operating pressure: 10 bar static
- Factory set timed flow at 1 bar: 15 seconds  $\pm$  5
- Max basin thickness: 26mm
- Connections: G 1/2"



**NEW THERMOSTATIC TIMED FLOW CONTROL COMBINES INTA'S PROVEN ANTI-SCALD THERMOSTATIC TECHNOLOGY, WITH WATER-SAVING TIMED FLOW CONTROL.**



### THERMOSTATIC TIMED FLOW NON-CONCUSSIVE BASIN-MOUNTED MIXER TAP WITH TEMPERATURE ADJUSTMENT

- Thermostatic control
- Anti-scald failsafe technology
- Timed flow control automatically closes the tap
- Temperature adjustable

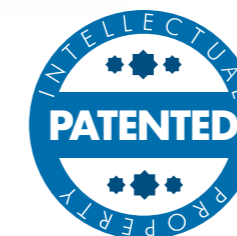
#### NC250CP

Thermostatic time flow non-concussive basin-mounted mixer tap with temperature adjustment

#### NC250CP5

Thermostatic time flow non-concussive basin-mounted mixer tap with temperature adjustment with 5 l/min flow regulator

- Min operating pressure: 1 bar dynamic
- Max operating pressure: 5 bar static
- Max inlet temperature: 65°C
- Timed flow at 1 bar: 15  $\pm$  5 seconds
- Factory set temperature: 41°C
- Min temperature differential (between mix outlet and hot inlet) to achieve failsafe: 10°C





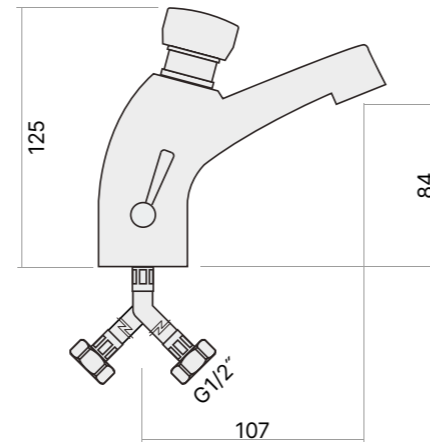
**NON-CONCUSSIVE BASIN-MOUNTED MIXER TAP WITH TEMPERATURE CONTROL**

- Timed flow control automatically closes the tap
- Temperature adjustable
- Intended for use with Intamix TMV

**NC180CP**

Non-concussive basin-mounted mixer tap with temperature control

- Min operating pressure: 0.5 bar dynamic
- Max operating pressure: 10 bar static
- Timed flow at 1 bar: 15 seconds ± 5
- Max basin thickness: 38mm
- Connections: G 1/2" flexible tails
- Cartridge: NC300CP



COMMERCIAL EDUCATION LEISURE



**NON-CONCUSSIVE BASIN-MOUNTED TAP**

- Timed flow control automatically closes the tap
- Intended for use with Intamix TMV

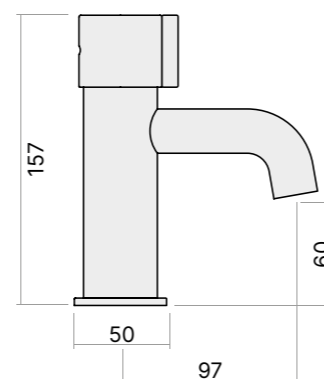
**NC230CP**

Non-concussive basin-mounted manual mixer tap\*

**NC230CT**

Non-concussive basin-mounted manual mixer tap with copper tails

- Max operating pressure: 6 bar
- Min operating pressure: 1 bar
- Max inlet temperature: 65°C
- Timed flow at 1 bar: 15 ± 3 seconds



COMMERCIAL EDUCATION LEISURE



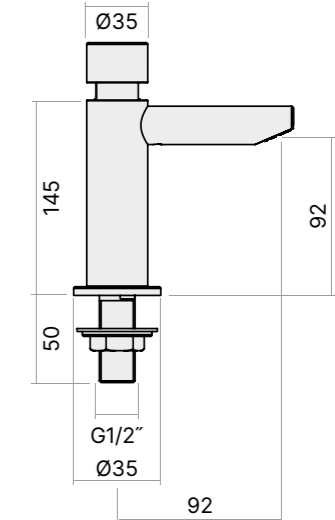
**NON-CONCUSSIVE BASIN-MOUNTED TAP**

- Timed flow control automatically closes the tap
- Intended for use with Intamix TMV

**NC235CP**

Non-concussive basin-mounted monoblock tap

- Max operating pressure: 6 bar
- Min operating pressure: 1 bar
- Max inlet temperature: 65°C
- Timed flow at 1 bar: 15 ± 3 seconds



**MULTI-DIRECTIONAL NON-CONCUSSIVE WALL-MOUNTED VANDAL-RESISTANT TAP**

- Timed flow control automatically closes the tap
- Toggle lever for users with limited dexterity
- Intended for use with Intamix TMV

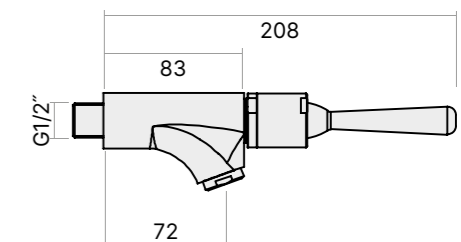
**NC190CP**

Multi-directional non-concussive wall-mounted tap

**NC190CP5**

Multi-directional non-concussive wall-mounted tap 5 litre per min\*

- Min operating pressure: 0.2 bar dynamic
- Max operating pressure: 10 bar static
- Timed flow at 1 bar: 15 seconds ± 3
- Connections: G 1/2"
- Cartridge: ID0019



**MULTI-DIRECTIONAL NON-CONCUSSIVE  
BASIN-MOUNTED VANDAL-RESISTANT TAP**

- Timed flow control automatically closes the tap
- Toggle lever for users with limited dexterity
- Intended for use with Intamix TMV

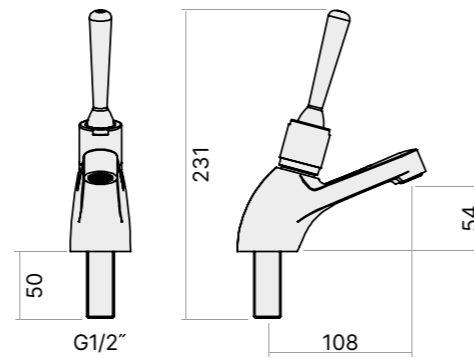
**NC200CP.1**

Multi-directional vandal-resistant basin-mounted tap (single)

**NC200CP5.1**

Multi-directional vandal-resistant basin-mounted tap (single) - 5 litre per min\*

- Min operating pressure: 0.2 bar dynamic
- Max operating pressure: 10 bar static
- Timed flow at 1 bar: 15 seconds ± 3
- Max basin thickness: 26mm
- Connections: G 1/2"
- Cartridge: ID0019



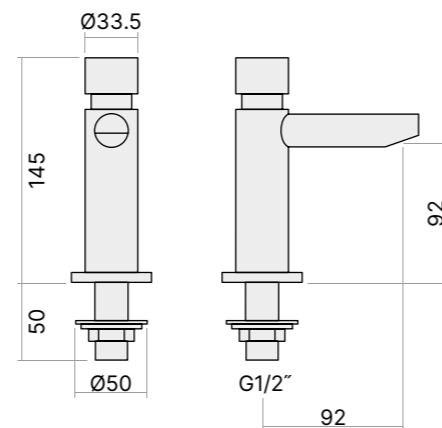
**STAINLESS STEEL NON-CONCUSSIVE  
BASIN-MOUNTED TAP**

- Robust Stainless Steel construction - Grade 316L
- Highly resistant to harsh chemicals and cleaning agents
- Ideal for high-use environments

**NC112SS**

Stainless Steel non-concussive basin-mounted tap

- Min operating pressure: 1 bar dynamic
- Max operating pressure: 6 bar static
- Timed flow at 3 bar: 15 seconds ± 3
- Connections: G 1/2"



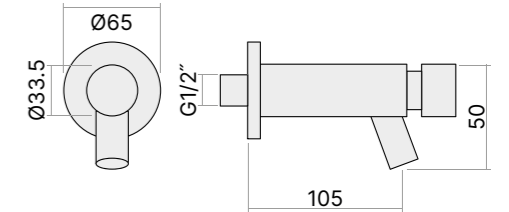
**STAINLESS STEEL NON-CONCUSSIVE WALL-MOUNTED TAP**

- Robust Stainless Steel construction - Grade 316L
- Highly resistant to harsh chemicals and cleaning agents
- Ideal for high-use environments

**NC113SS**

Stainless Steel non-concussive wall-mounted tap

- Min operating pressure: 1 bar dynamic
- Max operating pressure: 6 bar static
- Timed flow at 3 bar: 15 seconds ± 3
- Connections: G 1/2"



**NON-CONCUSSIVE ACCESSORIES**

- Extensions for wall-mounted taps

**ID0061**

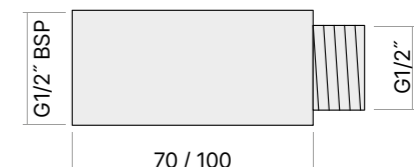
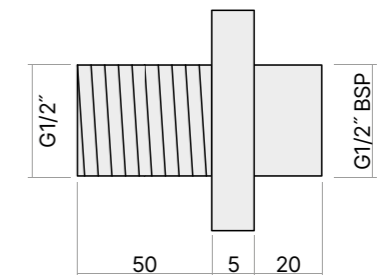
Bib tap wall connector (sold in pairs)

**ID0062**

Wall extension 1/2" M x 1/2" BSP 70mm

**ID0063**

Wall extension 1/2" M x 1/2" BSP 100mm





#### EXPOSED TIMED FLOW SHOWER CONTROL

- Timed flow control automatically closes the shower
- Intended for use with Intamix TMV

##### TF992CP

Timed flow shower control exposed (15 seconds)

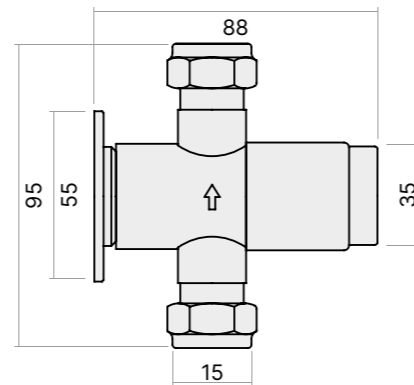
##### TF99230CP

Timed flow shower control exposed (30 seconds)

##### TF9923CP

Timed flow shower control exposed (3 seconds)

- Min operating pressure: 0.2 bar dynamic
- Max operating pressure: 10 bar static
- Max inlet temperature: 65°C
- Timed flow at 1 bar: 15/30 ± 3 seconds
- Inlet connections: 15mm compression
- Outlet connections: 15mm compression
- Cartridge TF006 (15 seconds)
- Cartridge TF0815530CP (30 seconds)



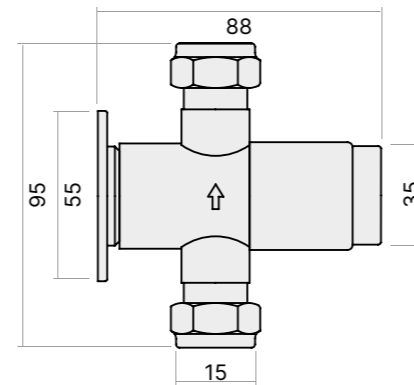
#### EXPOSED ADJUSTABLE TIMED FLOW ANTI-BLOCK SHOWER CONTROL

- Timed flow control automatically closes the shower
- Adjustable flow control between 3-30 seconds
- Anti-block feature closes the valve should the control be forced on
- Intended for use with Intamix TMV

##### TF177CP

Adjustable timed flow anti-block shower control

- Adjustable flow time between 3-30 seconds
- Anti-block feature
- Min operating pressure: 0.5 bar dynamic
- Max operating pressure: 10 bar static
- Factory set timed flow at 1 bar: 15 seconds ± 3
- Connections: 15mm compression



\* Includes 1 metre straight polished Stainless Steel pipe



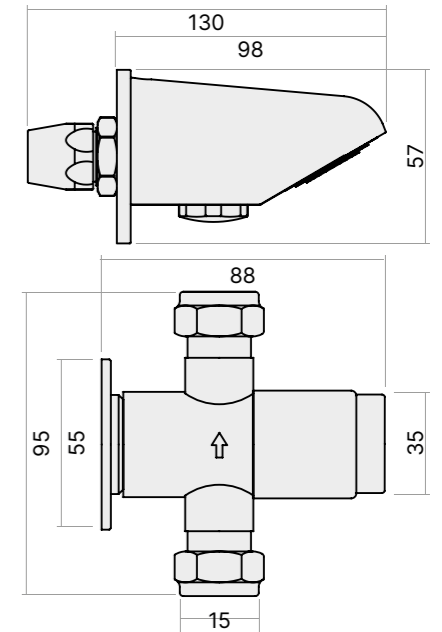
#### TIMED FLOW SHOWER EXPOSED WITH VR HEAD AND 1 METRE RISER PIPE

- Timed flow control automatically closes the shower
- Intended for use with Intamix TMV
- Vandal-resistant design
- Bottom or back inlet connections

##### VR0001CP

Timed flow shower exposed with VR head and 1mtr riser pipe

- Min operating pressure: 0.2 bar dynamic
- Max operating pressure: 10 bar static
- Max inlet temperature: 65°C
- Timed flow at 1 bar: 15/30 ± 3 seconds
- Inlet connections: 15mm compression
- Outlet connections: 15mm compression
- Cartridge TF006 (15 seconds)
- Cartridge TF0815530CP (30 seconds)
- For thermostatic protection use Intamix TMV 40015CP and for thermal re-circulation control use Inta thermal balancing valve 60040CP



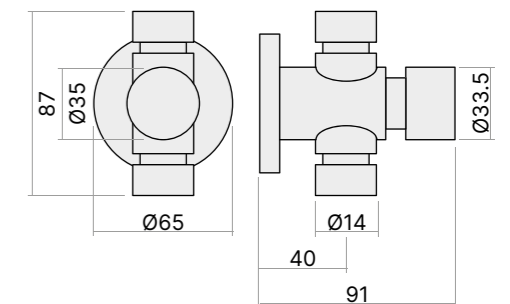
#### STAINLESS STEEL EXPOSED TIMED FLOW SHOWER CONTROL

- Robust Stainless Steel construction - Grade 316L
- Highly resistant to harsh chemicals and cleaning agents
- Ideal for high use environments

##### TF111SS

Stainless Steel exposed timed flow shower control

- Min operating pressure: 1 bar dynamic
- Max operating pressure: 6 bar static
- Timed flow at 3 bar: 15 seconds ± 3
- Connections: 15mm compression





**CONCEALED TIMED FLOW SHOWER CONTROL**

- Timed flow control automatically closes the shower
- Intended for use with Intamix TMV

**TF997CP**

Timed flow shower control concealed (15 seconds)

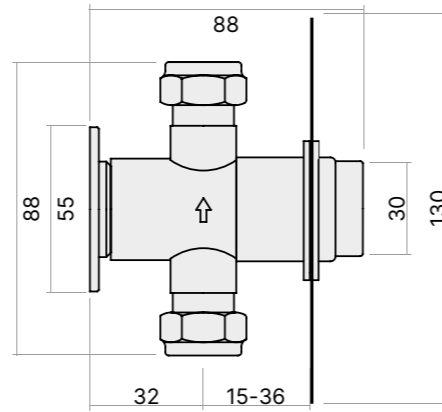
**TF99730CP**

Timed flow shower control concealed (30 seconds)

**TF9973CP**

Timed flow shower control concealed (3 seconds)

- Min operating pressure: 0.2 bar dynamic
- Max operating pressure: 10 bar static
- Max inlet temperature: 65°C
- Timed flow at 1 bar: 15/30 ± 3 seconds
- Inlet connections: 15mm compression
- Outlet connections: 15mm compression
- Cartridge TF006 (15 seconds)
- Cartridge TF0815530CP (30 seconds)



**TIMED FLOW VANDAL-RESISTANT SHOWER CONTROL FOR PRISONS, WITH EXTENDED SPINDLE**

- Timed flow control automatically closes the shower
- Cross-wall design in three length options with vandal-resistant construction
- Intended for use with Intamix TMV

**TF222CP15**

Timed flow vandal-resistant shower control for prisons with 15mm spindle

**TF222CP150**

Timed flow vandal-resistant shower control for prisons with 150mm spindle

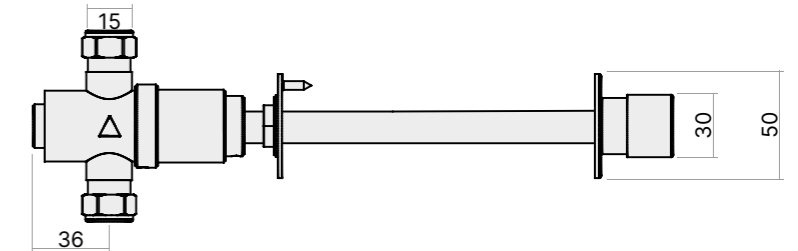
**TF222CP200**

Timed flow vandal-resistant shower control for prisons with 200mm spindle

**TF222CP250**

Timed flow vandal-resistant shower control for prisons with 250mm spindle

- Min operating pressure: 0.2 bar dynamic
- Max operating pressure: 10 bar static
- Max inlet temperature: 65°C
- Timed flow at 1 bar: 15 ± 3 seconds
- Inlet connections: 15mm compression
- Outlet connections: 15mm compression



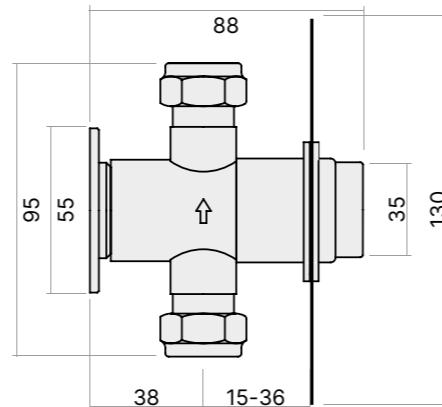
**CONCEALED ADJUSTABLE TIMED FLOW ANTI-BLOCK SHOWER CONTROL**

- Timed flow control automatically closes the shower
- Adjustable timed flow control between 3-30 seconds
- Anti-block feature closes the valve should the control be forced on
- Intended for use with Intamix TMV

**TF178CP**

Adjustable timed flow anti-block shower control

- Adjustable flow time between 3-30 seconds
- Anti-block feature
- Min operating pressure: 0.5 bar dynamic
- Max operating pressure: 10 bar static
- Factory set timed flow at 1 bar: 15 seconds ± 3
- Connections: 15mm compression



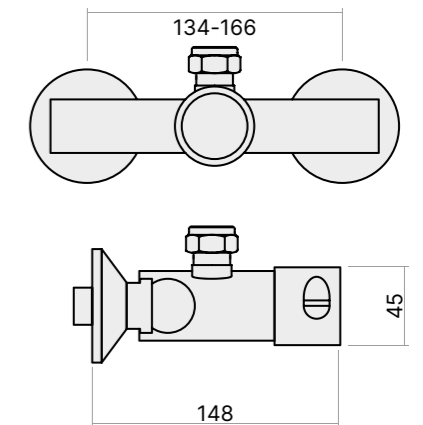
**EXPOSED TIMED FLOW SHOWER CONTROL WITH TEMPERATURE ADJUSTMENT**

- Timed flow control automatically closes the shower
- Temperature adjustable
- Intended for use with Intamix TMV

**NC140CP**

Timed flow exposed shower control with temperature adjustment

- Min operating pressure: 0.5 bar dynamic
- Max operating pressure: 5 bar static
- Max inlet temperature: 65°C
- Timed flow at 1 bar: 15 ± 3 seconds
- Inlet connections: G 3/4" F
- Outlet connections: 15mm compression
- Cartridge ID8112



**EXPOSED THERMOSTATIC TIME FLOW NON-CONCUSSIVE MIXER SHOWER WITH TEMPERATURE ADJUSTMENT**

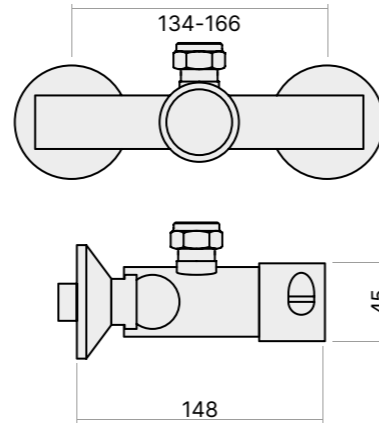


- Timed flow control automatically closes the shower
- Temperature adjustable

**NC252CP**

Exposed thermostatic timed flow non-concussive mixer shower with temperature adjustment

- Min operating pressure: 1 bar dynamic
- Max operating pressure: 5 bar static
- Max inlet temperature: 65°C
- Timed flow at 1 bar: 15 ± 5 seconds
- Factory set temperature: 41°C
- Min temperature differential (between mix outlet and hot inlet) to achieve failsafe: 10°C



COMMERCIAL EDUCATION LEISURE

**CONCEALED THERMOSTATIC TIME FLOW NON-CONCUSSIVE MIXER SHOWER WITH TEMPERATURE ADJUSTMENT**

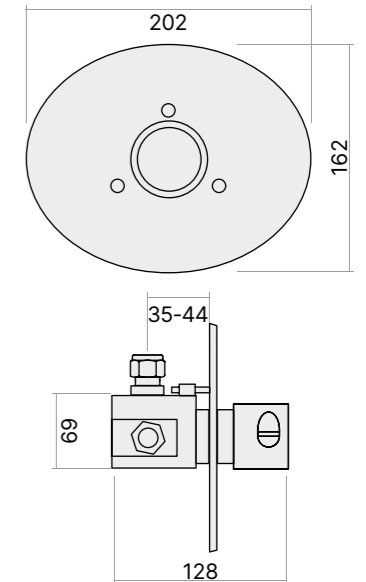


- Timed flow control automatically closes the shower
- Temperature adjustable

**NC253CP**

Concealed thermostatic timed flow non-concussive mixer shower with temperature adjustment

- Min operating pressure: 1 bar dynamic
- Max operating pressure: 5 bar static
- Max inlet temperature: 65°C
- Timed flow at 1 bar: 15 ± 5 seconds
- Factory set temperature: 41°C
- Min temperature differential (between mix outlet and hot inlet) to achieve failsafe: 10°C



COMMERCIAL EDUCATION LEISURE

**CONCEALED TIMED FLOW SHOWER CONTROL WITH TEMPERATURE ADJUSTMENT**

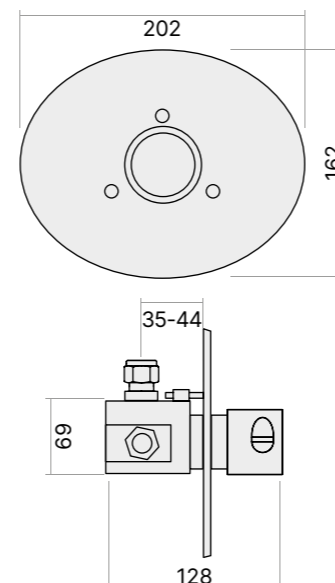


- Timed flow control automatically closes the shower
- Temperature adjustable
- Intended for use with Intamix TMV

**NC145CP**

Timed flow concealed shower control with temperature adjustment

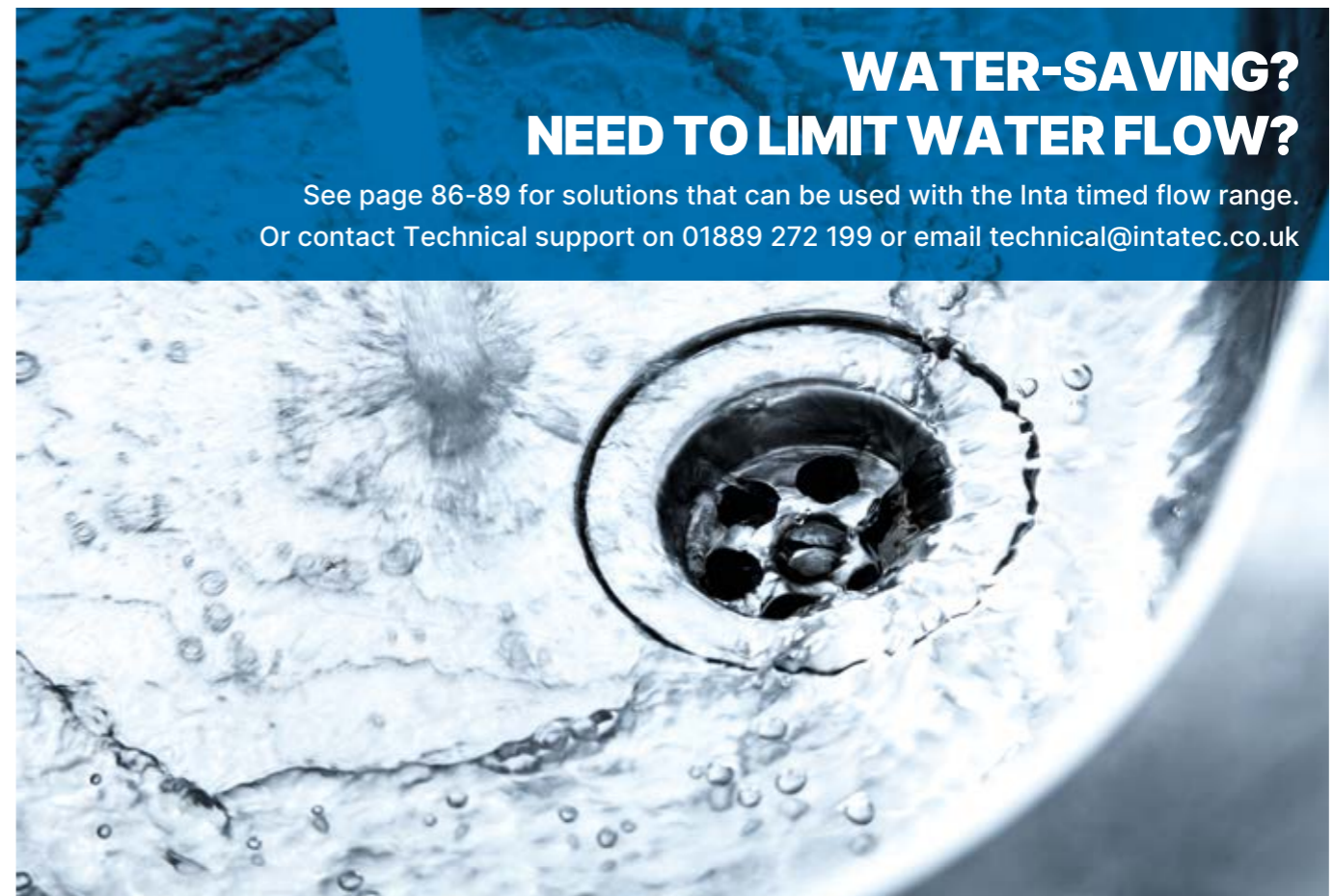
- Min operating pressure: 0.5 bar dynamic
- Max operating pressure: 5 bar static
- Max inlet temperature: 65°C
- Timed flow at 1 bar: 15 ± 3 seconds
- Inlet connections: G 1/2" F
- Outlet connections: 15mm compression
- Cartridge ID8112



COMMERCIAL EDUCATION LEISURE

**WATER-SAVING?  
NEED TO LIMIT WATERFLOW?**

See page 86-89 for solutions that can be used with the Inta timed flow range.  
Or contact Technical support on 01889 272 199 or email [technical@intatec.co.uk](mailto:technical@intatec.co.uk)



# inta

## INFRARED PRODUCTS

View our extensive range of infrared products, allowing users total control in touch-free environments where hygiene and water economy is paramount - our extensive range of products features the following:

- **BASIN-MOUNTED TAPS**
- **WALL-MOUNTED TAPS**
- **CONCEALED CISTERN PACKS**

## INFRARED PRODUCTS

### FREQUENTLY USED APPLICATIONS



HEALTHCARE COMMERCIAL EDUCATION LEISURE



DATA SHEETS, INSTALLATION INSTRUCTIONS & MAINTENANCE

## INFRARED PRODUCTS



HEALTHCARE COMMERCIAL EDUCATION LEISURE

### INFRARED CONTEMPORARY BASIN-MOUNTED TAP

- Infrared touch-free operation
- Timed flow control automatically closes the tap
- Hygiene flush every 24 hours without operation
- Copper inlet connection
- Intended for use with Intamix TMV

#### IR120CP.1

Infrared contemporary basin-mounted tap (battery operated)

#### IR121CP.1

Infrared contemporary basin-mounted tap (mains operated)

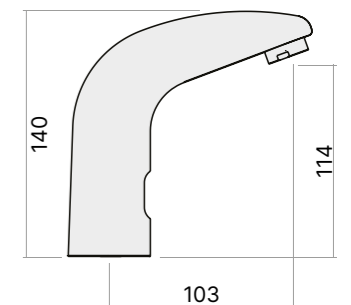
#### IR120CP.1.5

Infrared contemporary basin-mounted tap (battery operated) with 5 l/min flow regulator

#### IR121CP.1.5

Infrared contemporary basin-mounted tap (mains operated) with 5 l/min flow regulator

- Min operating pressure: 1.0 bar dynamic
- Max operating pressure: 8 bar static
- Max inlet temperature: 70°C
- Max basin thickness: 26mm
- Connections: copper tail 10mm
- 24 Hour hygiene flush



HEALTHCARE COMMERCIAL EDUCATION LEISURE

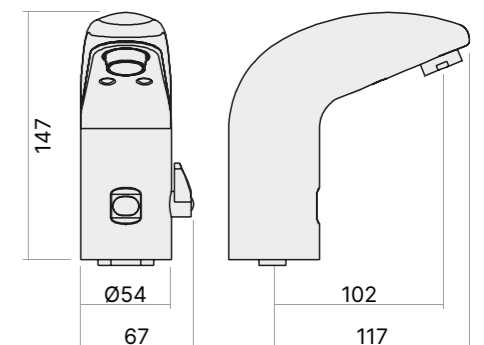
### INFRARED MINIMALISTIC TEMPERATURE ADJUSTABLE BASIN-MOUNTED TAP (BATTERY OPERATED)

- Infrared touch-free operation
- Timed flow control automatically closes the tap
- Temperature adjustable
- Hygiene flush every 24 hours without operation
- Copper inlet connections
- Intended for use with Intamix TMV

#### IR180CP

Infrared minimalistic temperature adjustable basin-mounted tap (battery operated)

- Min operating pressure: 1 bar dynamic
- Max operating pressure: 8 bar static
- Max inlet temperature: 65°C
- Max basin thickness: 26mm
- Connections: G 1/2"
- 24 Hour hygiene flush





### INCLINED INFRARED BASIN-MOUNTED TAP

- Infrared touch-free operation
- Timed flow control automatically closes the tap
- Hygiene flush every 24 hours without operation
- Intended for use with Intamix TMV

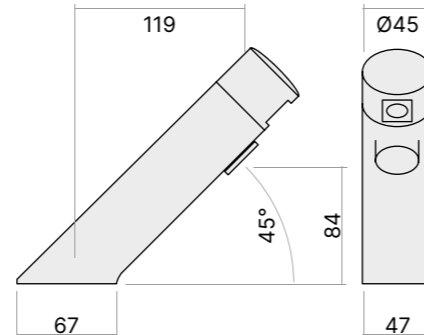
#### IR500CP

Infrared basin-mounted tap (battery operated)

#### IR501CP

Infrared basin-mounted tap (mains operated)

- Min operating pressure: 1 bar dynamic
- Max operating pressure: 8 bar static
- Max inlet temperature: 65°C
- Max basin thickness: 26mm
- Connections: G 1/2"
- 24 Hour hygiene flush



### TUBULAR INFRARED WALL-MOUNTED MIXER TAP

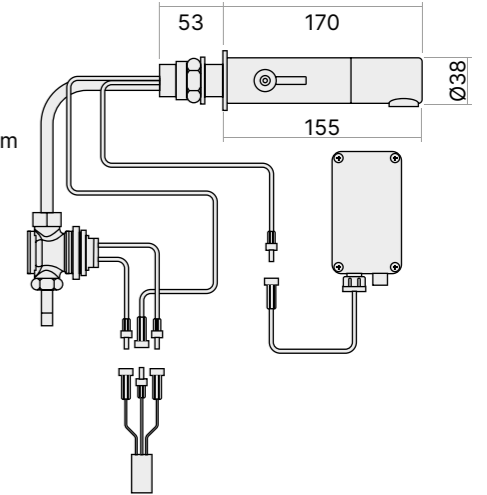
#### IR272CP

Infrared tubular mixing tap 170mm length (battery operated)

#### IR273CP

Infrared tubular mixing tap 170mm length (mains operated)

- Min operating pressure: 1 bar
- Max operating pressure: 5 bar static
- Max inlet temperature: 65°C
- Min height above basin: 300mm



### TUBULAR INFRARED WALL-MOUNTED TAP

- Infrared touch-free operation
- Timed flow control automatically closes the tap
- Intended for use with Intamix TMV

#### IR270CP

Infrared tubular tap 170mm length (battery operated)

#### IR271CP

Infrared tubular tap 170mm length (mains operated)

#### IR278CP

Infrared tubular tap 220mm length (battery operated)

#### IR279CP

Infrared tubular tap 220mm length (mains operated)



### INFRARED MODERN BASIN-MOUNTED TAP

- Infrared touch-free operation
- Timed flow control automatically closes the tap
- Programmable timed flow between 1-60 seconds
- Intended for use with Intamix TMV

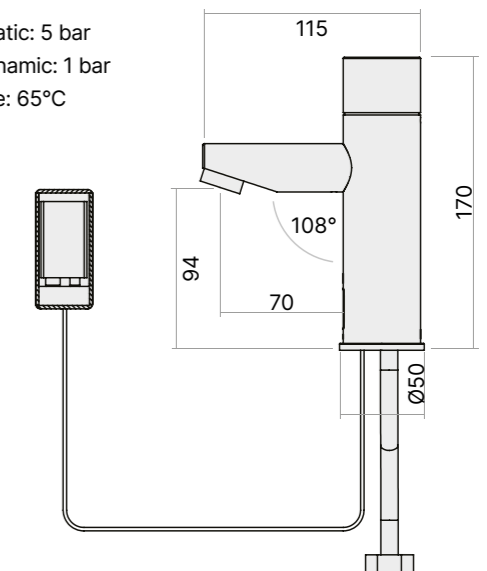
#### IR411CP

Infrared modern basin-mounted tap (battery operated)

#### IR412CP

Infrared modern basin-mounted tap (mains operated)

- Max inlet pressure static: 5 bar
- Min inlet pressure dynamic: 1 bar
- Max inlet temperature: 65°C





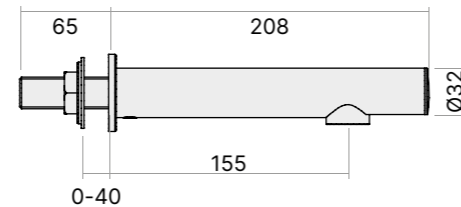
**INFRARED WALL-MOUNTED MIXER  
BATTERY OPERATED**

- Infrared touch-free operation
- Timed flow control automatically closes the tap
- Hygiene flush every 24 hours without operation
- Copper inlet connection
- Intended for use with Intamix TMV

**IR2582CP**

Infrared wall-mounted mixer battery operated

- Min operating pressure: 1.0 bar dynamic
- Max operating pressure: 8 bar static
- Max inlet temperature: 70°C
- Max basin thickness: 26mm
- Connections: G 1/2" flexi tails
- 24 Hour hygiene flush
- Automatic shut off after 60 seconds of continual use
- Aerator 6 l/m



HEALTHCARE COMMERCIAL EDUCATION LEISURE

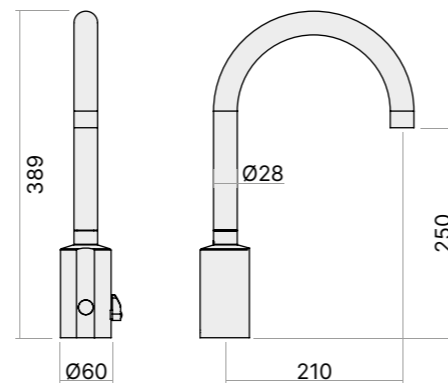
**INFRARED BASIN MIXER FIXED SPOUT  
BATTERY OPERATED**

- Infrared touch-free operation
- Timed flow control automatically closes the tap
- Hygiene flush every 24 hours without operation
- Intended for use with Intamix TMV

**IR2505CP**

Infrared basin mixer fixed spout battery operated

- Min operating pressure: 1.0 bar dynamic
- Max operating pressure: 8 bar static
- Max inlet temperature: 70°C
- Max basin thickness: 26mm
- Connections: G 1/2" flexi tails
- 24 Hour hygiene flush
- Automatic shut off after 60 seconds of continual use



HEALTHCARE COMMERCIAL EDUCATION LEISURE



**INFRARED WC FLUSH CONCEALED CISTERN,  
FLUSH VALVE, INLET AND INFRARED SENSOR**

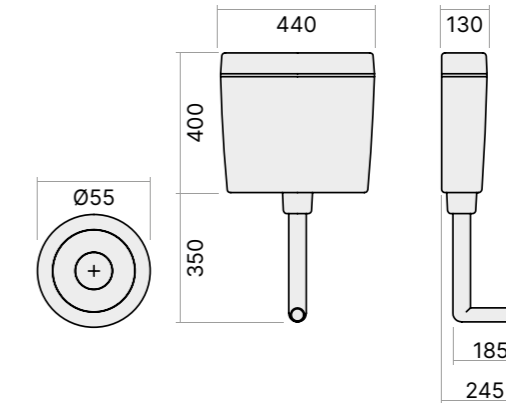
- Infrared touch-free operation
- 6 litre flush

**IR2568**

Infrared WC 6 litre flush (battery operated)

**IR2569**

Infrared WC 6 litre flush (mains operated)



# inta

## DOC M RANGE

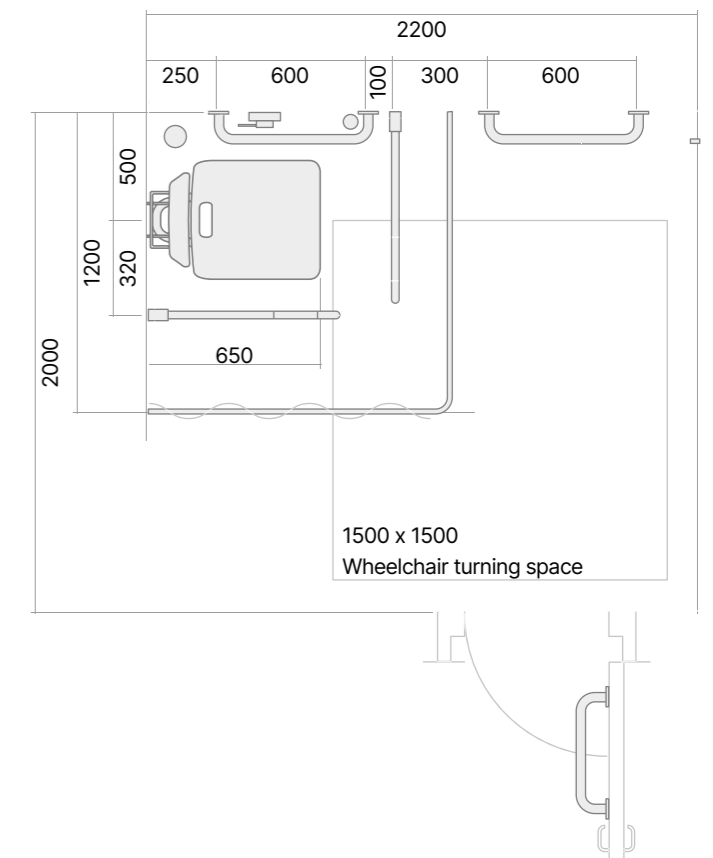
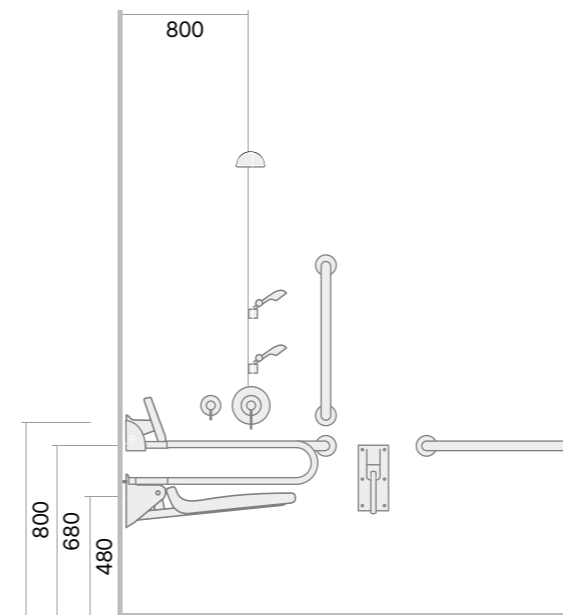
### FREQUENTLY USED APPLICATIONS



HEALTHCARE COMMERCIAL EDUCATION LESS ABLE



\* 90033CP / 90032CP



## 3.09 DOC M RANGE

### DOC M SHOWER PACK

- Document M compliant
- DDA compliant
- TMV3 approved thermostatic shower (90033CP / 90032CP)
- Exposed or concealed packs
- Blue (RAL 5011) or White (RAL 9016)

#### DMPS902WH

Doc M shower room pack with white rails and TMV3 shower - concealed

#### DMPS902BL

Doc M shower room pack with blue rails and TMV3 shower - concealed

#### DMPS902GR

Doc M shower room pack with grey rails and TMV3 shower - concealed

#### DMPS902SS

Doc M shower room pack with Stainless Steel rails and TMV3 shower - concealed

#### DMPS904WH

Doc M shower room pack with white rails and TMV3 shower - exposed

#### DMPS904BL

Doc M shower room pack with blue rails and TMV3 shower - exposed

#### DMPS904GR

Doc M shower room pack with grey rails and TMV3 shower - exposed

#### DMPS904SS

Doc M shower room pack with Stainless Steel rails and TMV3 shower - exposed



DATA SHEETS, INSTALLATION INSTRUCTIONS & MAINTENANCE

## GRAB RAILS

FREQUENTLY USED APPLICATIONS



HEALTHCARE RESIDENTIAL LESS ABLE LEISURE



DATA SHEETS, INSTALLATION INSTRUCTIONS & MAINTENANCE

### PLASTIC GRAB RAILS WITH CONCEALED FIXINGS

- Plastic construction
- Concealed fixings
- Blue (RAL 5011) or White (RAL 9016)



#### PL300WH

300mm White plastic grab rail 35mm Ø

#### PL450WH

450mm White plastic grab rail 35mm Ø

#### PL600WH

600mm White plastic grab rail 35mm Ø

#### PL450BL

450mm Blue plastic grab rail 35mm Ø

#### PL600BL

600mm Blue plastic grab rail 35mm Ø

### POWDER COATED GRAB RAILS WITH EXPOSED FIXINGS

- Mild steel construction
- Exposed fixings
- Blue (RAL 5011) or White (RAL 9016)



#### GR30035WH

300mm White grab rail 35mm Ø

#### GR45035WH

450mm White grab rail 35mm Ø

#### GR60035WH

600mm White grab rail 35mm Ø

#### GR80035HWH

800mm White hinged grab rail 35mm Ø (with toilet roll holder)

#### GR30035BL

300mm Blue grab rail 35mm Ø

#### GR45035BL

450mm Blue grab rail 35mm Ø

#### GR60035BL

600mm Blue grab rail 35mm Ø

#### GR80035HBL

800mm Blue hinged grab rail 35mm Ø (with toilet roll holder)



**POWDER COATED GRAB RAILS WITH CONCEALED FIXINGS**

- Mild steel Stainless Steel construction
- Concealed fixings
- Blue (RAL 5011) or White (RAL 9016)

**GR30032WH**  
300mm White grab rail 35mm Ø

**GR45032WH**  
450mm White grab rail 35mm Ø

**GR60032WH**  
600mm White grab rail 35mm Ø

**GR80035HWH**  
800mm White hinged drop down grab rail 35mm Ø (with toilet roll holder)

**GR45032BL**  
450mm Blue grab rail 35mm Ø

**GR60032BL**  
600mm Blue grab rail 35mm Ø

**GR80035HBL**  
800mm Blue hinged drop down grab rail 35mm Ø (with toilet roll holder)

**STAINLESS STEEL GRAB RAILS WITH CONCEALED FIXINGS**

- Stainless Steel construction
- Concealed fixings
- Polished or brushed finish

**GR30032SSB**  
300mm Brushed Stainless Steel grab rail 32mm Ø

**GR45032SSB**  
450mm Brushed Stainless Steel grab rail 32mm Ø

**GR60032SSB**  
600mm Brushed Stainless Steel grab rail 32mm Ø

**GR30032SSP**  
300mm Polished Stainless Steel grab rail 32mm Ø

**GR45032SSP**  
450mm Polished Stainless Steel grab rail 32mm Ø

**GR60032SSP**  
600mm Polished Stainless Steel grab rail 32mm Ø



**LESS ABLED SHOWER KIT AND SLIDING HANDSET HOLDER**

- Easy to operate paddle lever
- Soft touch easy grip lever with simple operation
- Suitable for 32mm diameter rails
- Blue (RAL 5011) or White (RAL 9016)

**LA1003WH**  
Less abled shower kit 900mm white grab rail with 2m hose and handset

**LA1003BL**  
Less abled shower kit 900mm blue grab rail with 2m hose and handset

**LA1003CR**  
Less abled shower kit 900mm chrome grab rail with 2m hose and handset

**LA0008WH**  
Less abled sliding handset holder in white

**LA0008BL**  
Less abled sliding handset holder in blue

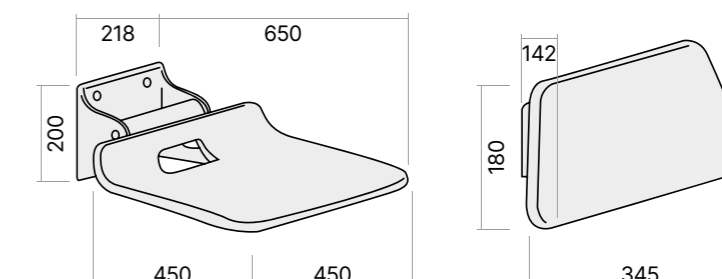


**LESS ABLED SHOWER SEATS**

- Ergonomically curved seat with anti-slip surface
- Can hold up to 125kg

**R16200112**  
Wall-mounted foldable shower seat

**R16610112**  
Wall-mounted back rest



# inta

## SHOWER PANELS

FREQUENTLY USED APPLICATIONS



USE SHOWER BEFORE ENTERING POOL



DATA SHEETS, INSTALLATION INSTRUCTIONS & MAINTENANCE



### **iSPORT**

#### INTA I-SPORT SHOWER PANEL WITH PUSH BUTTON TIMED FLOW CONTROL AND ADJUSTABLE SHOWER HEAD

- Timed flow control automatically closes the water
- Directional control of the shower head
- Limescale is easily removed with the rub-clean shower head
- Compact lightweight design, with 8 litre per minute flow regulator included
- Intended for use with the Intamix TMV

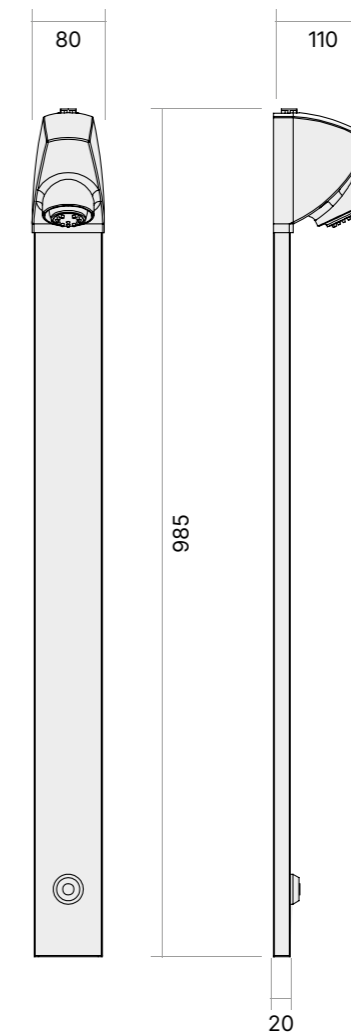
#### SP9206CP

Inta i-Sport shower panel with push button timed flow control and adjustable shower head top inlet

#### SP9207CP

Inta i-Sport shower panel with push button timed flow control and adjustable shower head back inlet

- Timed flow at 3 bar: 30 seconds ± 5
- Min operating pressure: 1.0 bar dynamic
- Max operating pressure: 5 bar
- Directional control head





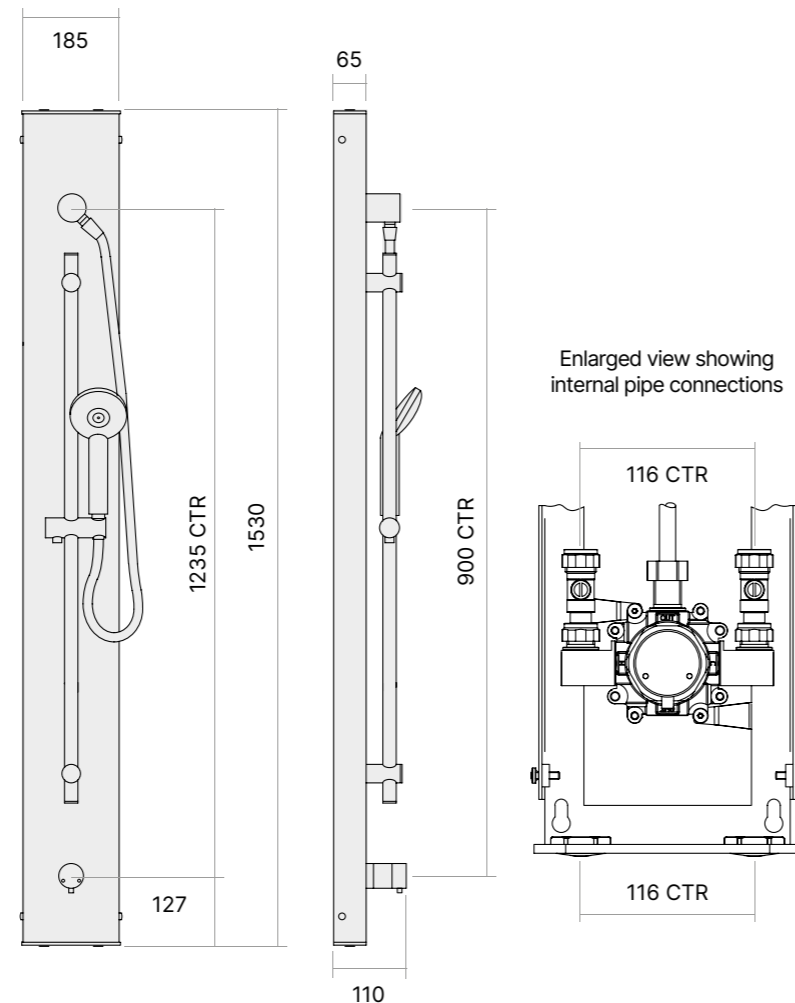
**WALL-MOUNTED THERMOSTATIC SHOWER PANEL IN STAINLESS STEEL WITH RISER RAIL, HANDSET AND HOSE IN CHROME FINISH**

- Temperature adjustable
- Stainless Steel panel
- Thermostatic control
- Anti-scald failsafe

**SP9301CP**

Wall-mounted thermostatic shower panel

- Max pressure: 6 bar
- Min pressure: 1 bar
- Hot water inlet temperature: 50 to 90°C Recommended: 55 to 60°C
- Cold water inlet temperature: 5 to 20°C
- Min temperature differential: 10°C
- Outlet water temperature range: 18 to 46°C
- Setting tolerance:  $\pm 2^\circ\text{C}$
- Factory temperature setting:  $41 \pm 1^\circ\text{C}$
- Flow rate with flow regulator: 7 l/min



SP9302CP

SP9303CP

**STAINLESS STEEL SHOWER PANEL WITH THERMOSTATIC TIMED FLOW CONTROL AND VANDAL-RESISTANT HEAD**

- Timed flow control automatically closes the flow of water
- Stainless Steel panel
- Thermostatic control

**SP9302CP**

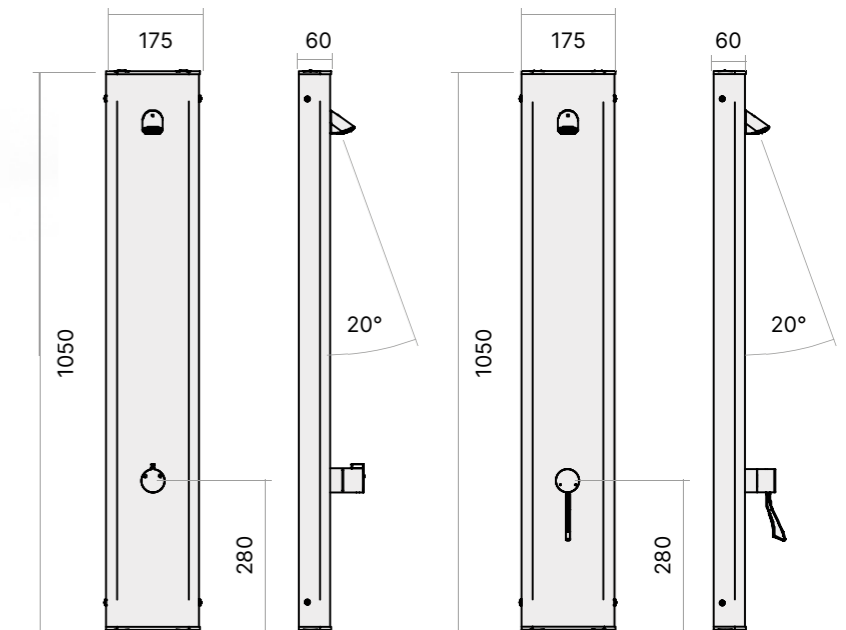
Stainless Steel shower panel with thermostatic timed flow control and vandal-resistant head

- Min operating pressure: 1 bar dynamic
- Max operating pressure: 10 bar static
- Min temperature differential to achieve failsafe: 15°C
- Max inlet temperature: 65°C
- Flow time:  $30 \pm 5$  seconds at 3 bar

**SP9303CP**

Stainless Steel shower panel with thermostatic sequential control and vandal-resistant shower head

- Min operating pressure: 1 bar dynamic
- Max operating pressure 10 bar static
- Max inlet temperature: 65°C
- Inlet connections: G 1/2"



SP9302CP

SP9303CP

# inta

## VANDAL-RESISTANT SHOWERS AND SPOUTS

### FREQUENTLY USED APPLICATIONS



HEALTHCARE COMMERCIAL EDUCATION LEISURE



DATA SHEETS, INSTALLATION INSTRUCTIONS & MAINTENANCE

## VANDAL-RESISTANT SHOWERS AND SPOUTS

### VANDAL-RESISTANT STANDARD SHOWER HEAD WITH BACK OR BOTTOM CONNECTION

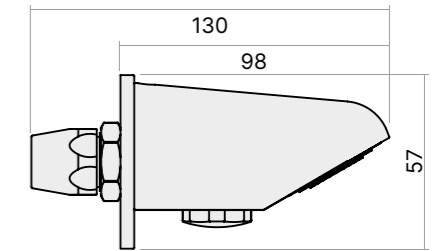


- Vandal-resistant design
- Bottom or back inlet connections
- Intended for use with Inta timed flow controls and Intamix TMV

#### VR991CP

Vandal-resistant standard shower head

- Min operating pressure: 0.2 bar dynamic
- Max operating pressure: 10 bar static
- Max inlet temperature: 65°C
- Inlet connections: 15mm compression



### VANDAL-RESISTANT MINI SHOWER HEAD

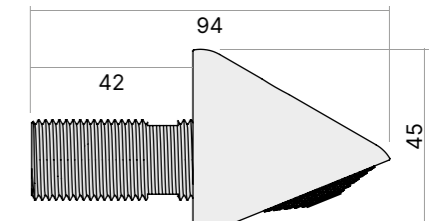


- Vandal-resistant design
- Intended for use with Inta timed flow controls and Intamix TMV

#### VR992CP

Vandal-resistant mini shower head

- Min operating pressure: 0.2 bar dynamic
- Max operating pressure: 10 bar static
- Max inlet temperature: 65°C
- Mini shower head inlet connections: G 1/2" BSP





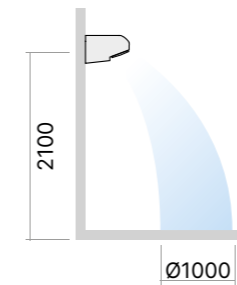
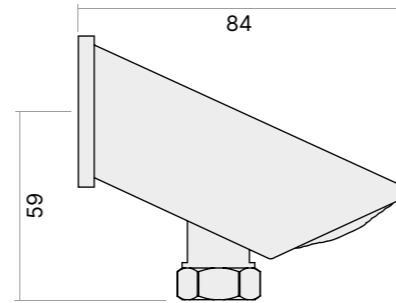
**VANDAL-RESISTANT COMPACT SHOWER HEAD**

- Vandal-resistant design
- Back or bottom inlet connection
- Intended for use with Inta timed flow controls and Intamix TMV

**VR994CP**

Vandal-resistant compact shower head with concealed or exposed connection

- Min operating pressure: 0.2 bar dynamic
- Max operating pressure: 10 bar static
- Max inlet temperature: 65°C
- Inlet connections: 15mm compression



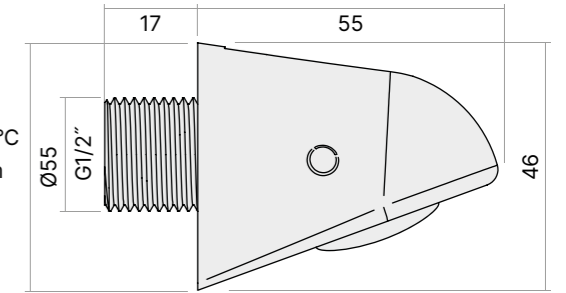
**ANTI-LIMESCALE VANDAL-RESISTANT HEAD**

- Directional control of the shower head
- Rub-clean shower head to easily remove limescale
- Intended for use with Inta timed flow controls and Intamix TMV

**VR997CP**

Vandal-resistant head with back connection, anti-limescale adjustable spray plate

- Min operating pressure: 0.2 bar dynamic
- Max operating pressure: 10 bar static
- Max inlet temperature: 65°C
- Inlet connections: G 1/2" m



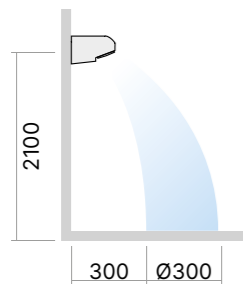
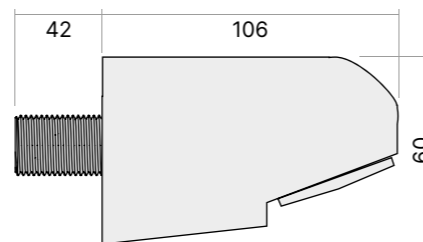
**RUB CLEAN VANDAL-RESISTANT HEAD**

- Back or bottom inlet connection
- Rub-clean shower head to easily remove limescale
- Compact spray footprint allows for functional use, even in compact areas
- Intended for use with Inta timed flow controls and Intamix TMV

**VR996CP**

Rub-clean vandal-resistant head with exposed or concealed connection

- Min operating pressure: 0.2 bar dynamic
- Max operating pressure: 10 bar static
- Max inlet temperature: 65°C
- Inlet connections: G 1/2" M / 15mm compression

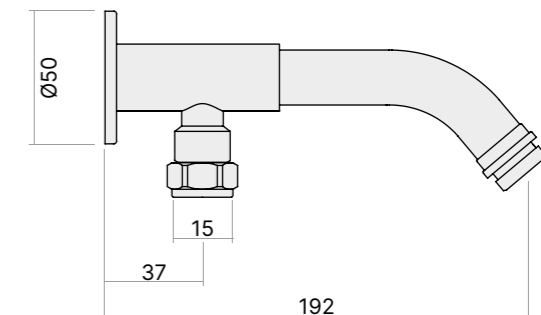


**INTACEPT SHOWER ARM**

- Bottom inlet connection
- Brass construction

**IN904CP**

Intacept bottom entry extended shower arm



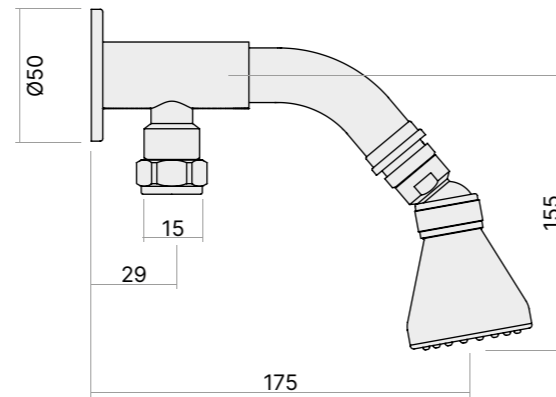


**INTACEPT BOTTOM ENTRY SHOWER ARM**

- Bottom inlet connection
- Anti-limescale rub-clean shower head
- Brass construction

**IN930CP**

Intacept bottom entry shower with rub-clean shower head

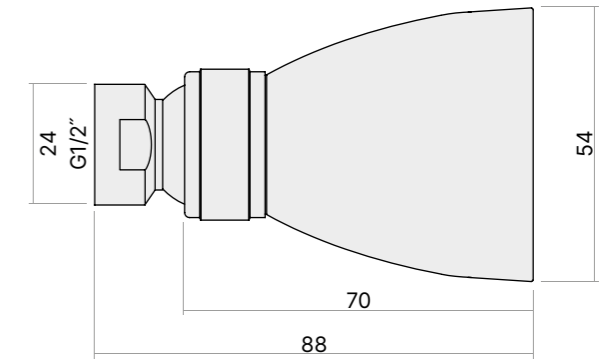


**INTACEPT ANTI-SCALE SHOWER HEAD**

- Anti-limescale twist and clean shower head

**IN9100CP**

Intacept anti-scale shower head (standard)

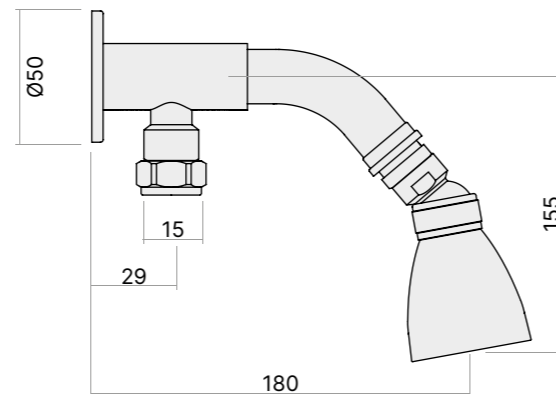


**INTACEPT BOTTOM ENTRY SHOWER ARM**

- Bottom inlet connection
- Anti-limescale twist and clean shower head
- Brass construction

**IN940CP**

Intacept bottom entry extended shower arm with anti-limescale shower head (mini)

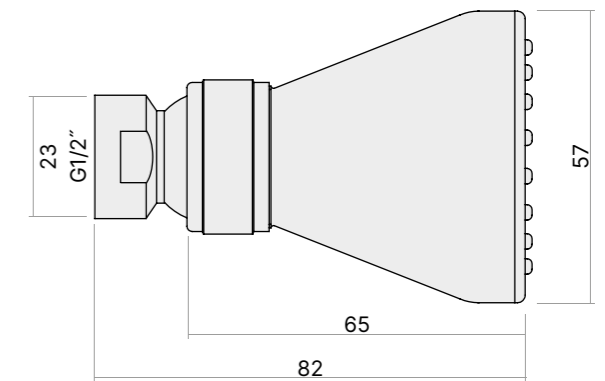


**INTACEPT RUB-CLEAN SHOWER HEAD**

- Anti-limescale rub-clean shower head

**IN9200CP**

Intacept rub-clean shower head

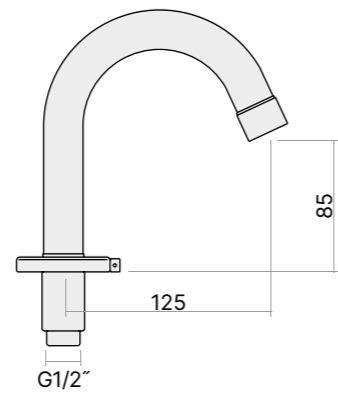




**BASIN-MOUNTED FIXED SPOUT**

- Aerator outlet

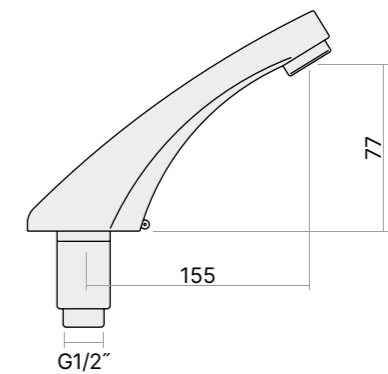
**5160CP**  
Basin-mounted fixed spout



**BASIN-MOUNTED FIXED SPOUT**

- Aerator outlet

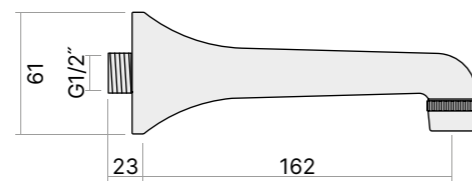
**5163CP**  
Basin-mounted fixed spout



**WALL-MOUNTED FIXED BASIN SPOUT**

- Aerator outlet

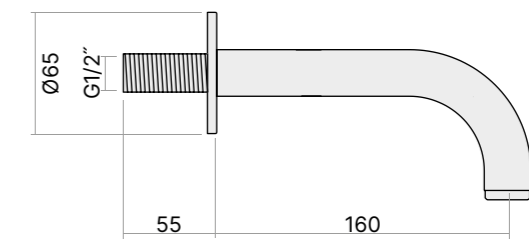
**5161CP**  
Wall-mounted fixed basin spout



**WALL-MOUNTED FIXED MINIMALISTIC SPOUT**

- Aerator outlet

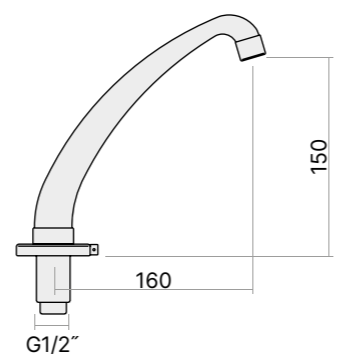
**5165CP**  
Wall-mounted fixed minimalistic spout



**BASIN-MOUNTED SWIVEL TUBE SPOUT**

- Swivel spout
- Aerator outlet

**5162CP**  
Basin-mounted swivel tube spout



## DRINKING FOUNTAINS

FREQUENTLY USED APPLICATIONS



COMMERCIAL EDUCATION LEISURE



DATA SHEETS, INSTALLATION INSTRUCTIONS & MAINTENANCE

## DRINKING FOUNTAINS

### PUSH BUTTON DRINKS FOUNTAIN

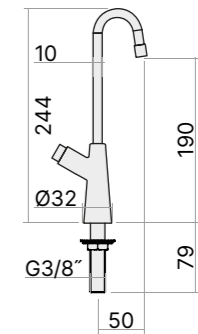
- Drinking fountain with instant shut-off

#### DF2179CP

Push button drinks fountain



- Min operating pressure: 0.1 bar dynamic
- Max operating pressure: 8 bar static
- Recommended pressure: 2 - 4 bar
- Water temperature range: 5 - 65°C
- Adjustable flow rate



### LEVER OPERATED DRINKS FOUNTAIN

- Drinking fountain with instant shut-off

#### DF2180CP

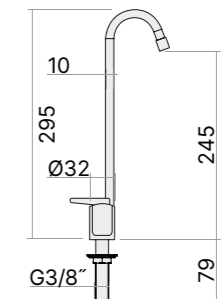
Lever operated drinks fountain

#### DF2181CP

Lever operated low lead drinks fountain



- Min operating pressure: 0.1 bar dynamic
- Max operating pressure: 8 bar static
- Recommended pressure: 2 - 4 bar
- Water temperature range: 5 - 65°C
- Adjustable flow rate



### PUSH BUTTON DRINKS FOUNTAIN WITH INSTANT CUT OFF

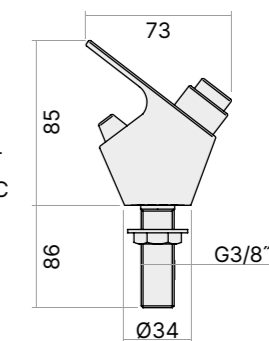
- Drinking fountain with instant shut-off

#### DF2178CP

Push button drinks fountain with instant cut off



- Min operating pressure: 0.1 bar dynamic
- Max operating pressure: 8 bar static
- Recommended pressure: 2 - 4 bar
- Water temperature range: 5 - 65°C
- Adjustable flow rate



## PEDAL/KNEE VALVES

FREQUENTLY USED APPLICATIONS



COMMERCIAL



LEISURE



### KNEE OPERATED EXPOSED VALVE

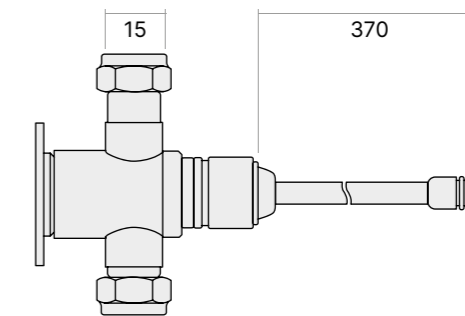
- Timed flow control
- Lever operated non-concussive action

#### LO810CP

Knee operated exposed valve with 350mm lever



- Min operating pressure: 0.5 bar dynamic
- Max operating pressure: 10 bar static
- Max inlet temperature: 65°C
- Timed flow: 15 ± 3 seconds
- Inlet connections: 15mm compression
- Outlet connections: 15mm compression



### KNEE OPERATED CONCEALED VALVE

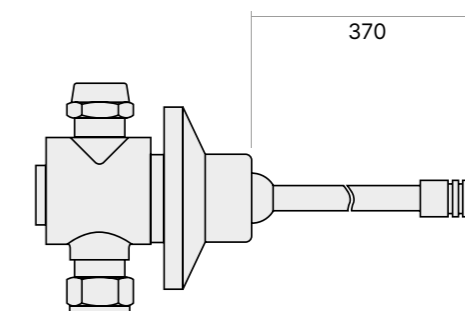
- Timed flow control
- Lever operated non-concussive action

#### LO820CP

Knee operated concealed valve with 350mm lever



- Min operating pressure: 0.5 bar dynamic
- Max operating pressure: 10 bar static
- Max inlet temperature: 65°C
- Timed flow: 15 ± 3 seconds
- Inlet connections: 15mm compression
- Outlet connections: 15mm compression



DATA SHEETS, INSTALLATION INSTRUCTIONS & MAINTENANCE



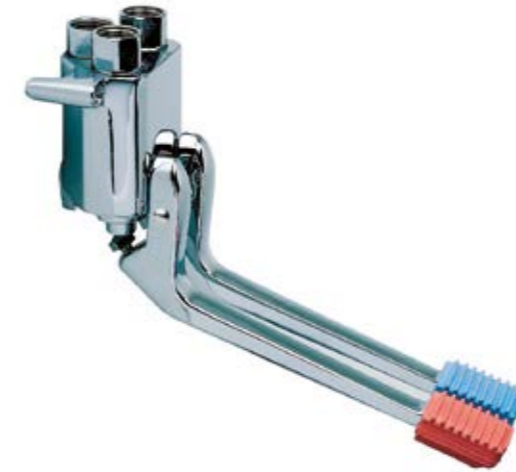
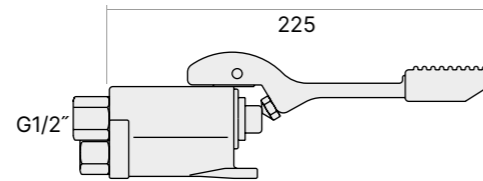
**FOOT OPERATED FLOOR-MOUNTED MIXING VALVE**

- Timed flow control
- Hygienic pedal operation
- Stop control pedal for continuous flow
- Intended for use with the Intamix TMV

**LO803CP**

Foot operated floor-mounted mixing valve

- Min operating pressure: 0.5 bar dynamic
- Max operating pressure: 8 bar static
- Max inlet temperature: 70°C
- Inlet connections: G 1/2" F BSP
- Outlet connections: G 1/2" F BSP



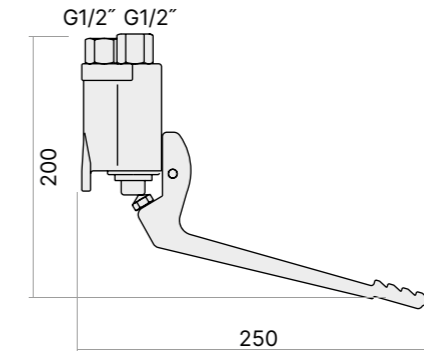
**FOOT OPERATED WALL-MOUNTED MIXING VALVE**

- Timed flow control
- Hygienic pedal operation
- Independent control of the hot and cold
- Intended for use with the Intamix TMV

**LO805CP**

Foot operated wall-mounted mixing valve

- Min operating pressure: 0.5 bar dynamic
- Max operating pressure: 8 bar static
- Max inlet temperature: 70°C
- Inlet connections: G 1/2" F BSP
- Outlet connections: G 1/2" F BSP



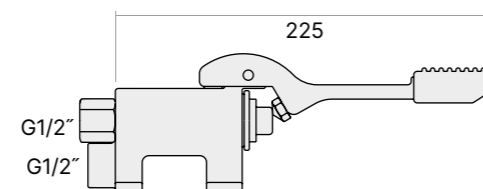
**FOOT OPERATED FLOOR-MOUNTED VALVE**

- Timed flow control
- Hygienic pedal operation
- Intended for use with the Intamix TMV

**LO802CP**

Foot operated floor-mounted valve

- Min operating pressure: 0.5 bar dynamic
- Max operating pressure: 8 bar static
- Max inlet temperature: 70°C
- Inlet connections: G 1/2" F BSP
- Outlet connections: G 1/2" F BSP



**INSPIRATION ENZO SINGLE OUTLET SHOWERS**



inspiration

showering collection from

**inta**

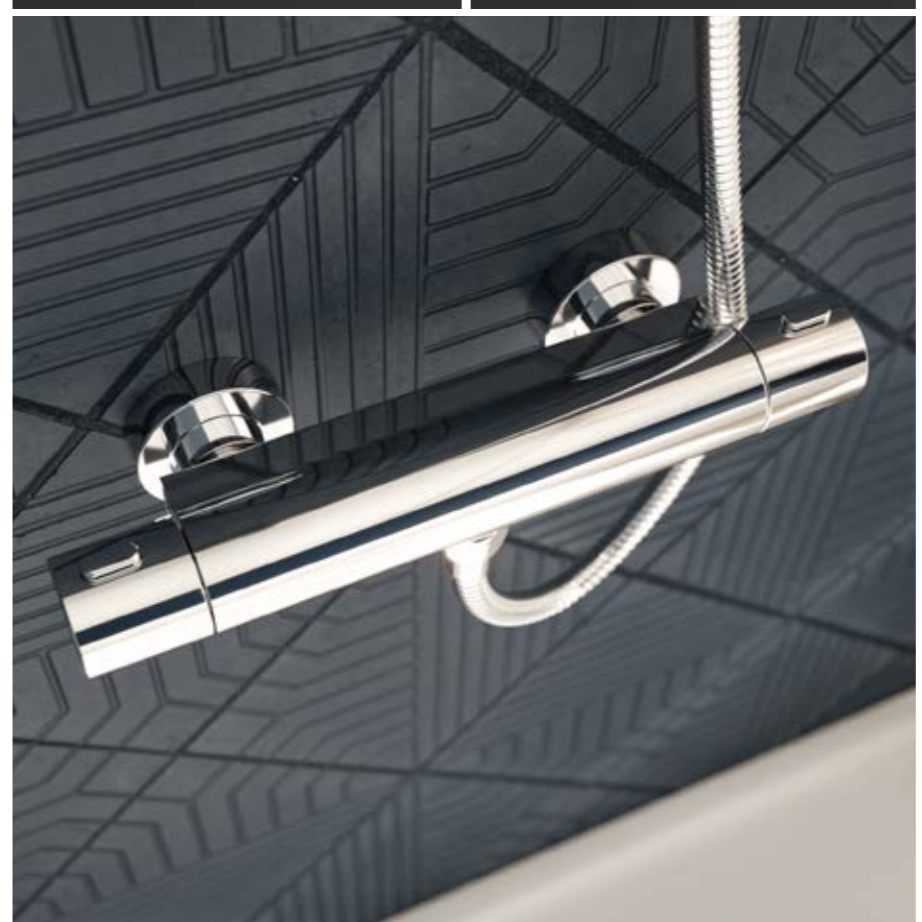


For more information on our Inspiration Shower Collection please scan


**IX10010CP**  
Enzo single outlet thermostatic shower with flexible riser kit and handset

**IX100020CP**  
Enzo safe-touch single outlet thermostatic shower with flexible riser kit and multi-function handset


**IX100025CP**  
Enzo deluxe safe-touch single outlet thermostatic shower with flexible riser kit and multi-function handset



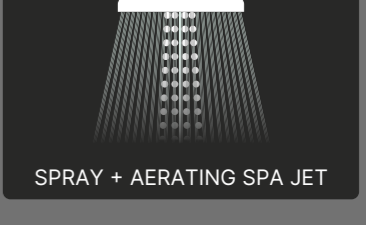
**IX100020CP + IX100025CP  
HANDSET SPRAY PATTERN**



SPRAY





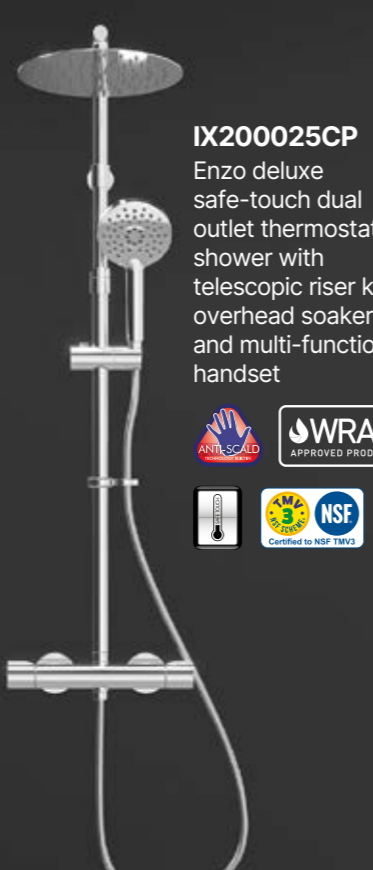



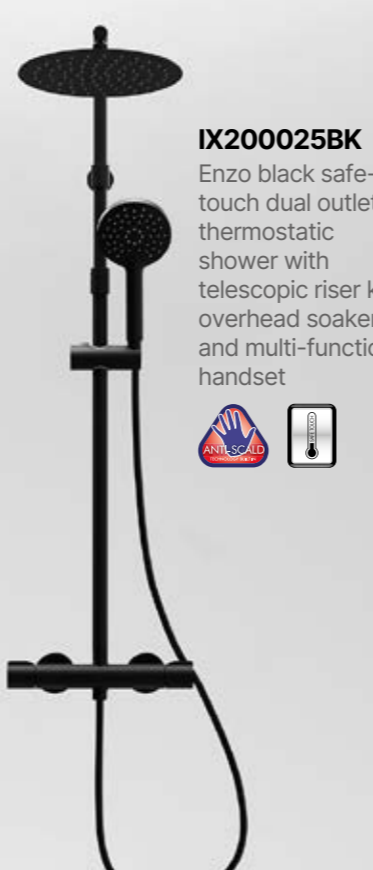




AERATING SPA JET


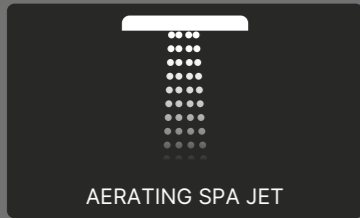



SPRAY + AERATING SPA JET

**4.02**  
**INSPIRATION ENZO DUAL OUTLET SHOWERS**

 <p><b>IX200020CP</b>          Enzo safe-touch dual outlet thermostatic shower with telescopic riser kit, overhead soaker and handset</p> <p>   </p>	 <p><b>IX200025CP</b>          Enzo deluxe safe-touch dual outlet thermostatic shower with telescopic riser kit, overhead soaker and multi-function handset</p> <p>   </p>	 <p><b>IX200025BK</b>          Enzo black safe-touch dual outlet thermostatic shower with telescopic riser kit, overhead soaker and multi-function handset</p> <p> </p>
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IX200025CP + IX200025BK  
 HANDSET SPRAY PATTERN

 <p>SPRAY</p>
 <p>AERATING SPA JET</p>
 <p>SPRAY + AERATING SPA JET</p>






**4.03**  
**INSPIRATION ENZO BATH SHOWER MIXER**

	<p><b>IX800010CP</b>          Enzo thermostatic bath shower mixer with deck-mounting legs, flexible riser kit and multi-function handset</p> <p>   </p>
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MULTI-FUNCTION  
 HANDSET SPRAY PATTERN

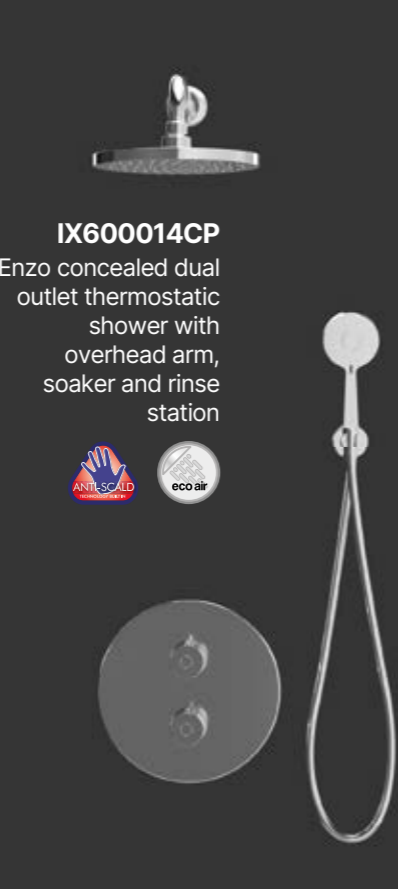
 <p>SPRAY</p>
 <p>PULSATING MASSAGE</p>
 <p>SPRAY + PULSATING MASSAGE</p>

**4.04**  
**INSPIRATION ENZO CONCEALED SHOWERS**

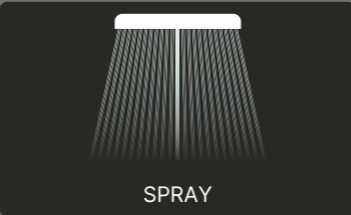
**IX400014CP**  
 Enzo concealed single outlet thermostatic shower with flexible riser kit, multi-function handset and wall elbow



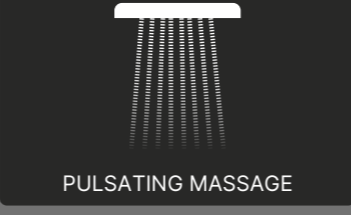
**IX600014CP**  
 Enzo concealed dual outlet thermostatic shower with overhead arm, soaker and rinse station




MULTI-FUNCTION  
 HANDSET SPRAY PATTERN



SPRAY



PULSATING MASSAGE



SPRAY + PULSATING MASSAGE



**4.05**  
**INSPIRATION MIO SINGLE OUTLET SHOWERS**

**IX300020CP**  
 Mio safe-touch single outlet thermostatic shower with flexible riser kit




MULTI-FUNCTION  
 HANDSET SPRAY PATTERN



SPRAY



AERATING SPA JET



SPRAY + AERATING SPA JET



**4.06**  
**INSPIRATION MIO DUAL OUTLET SHOWERS**



**IX400020CP**  
Mio safe-touch dual outlet thermostatic shower with telescopic riser kit, overhead soaker and handset



**IX400025CP**  
Mio deluxe safe-touch dual outlet thermostatic shower with telescopic riser kit, overhead soaker and multi-function handset



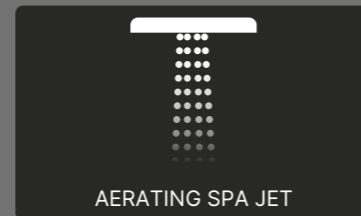
**IX400025BK**  
Mio black safe-touch dual outlet thermostatic shower with telescopic riser kit, overhead soaker and multi-function handset



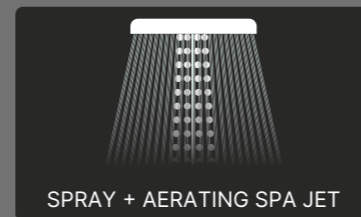
MULTI-FUNCTION  
HANDSET SPRAY PATTERN



SPRAY

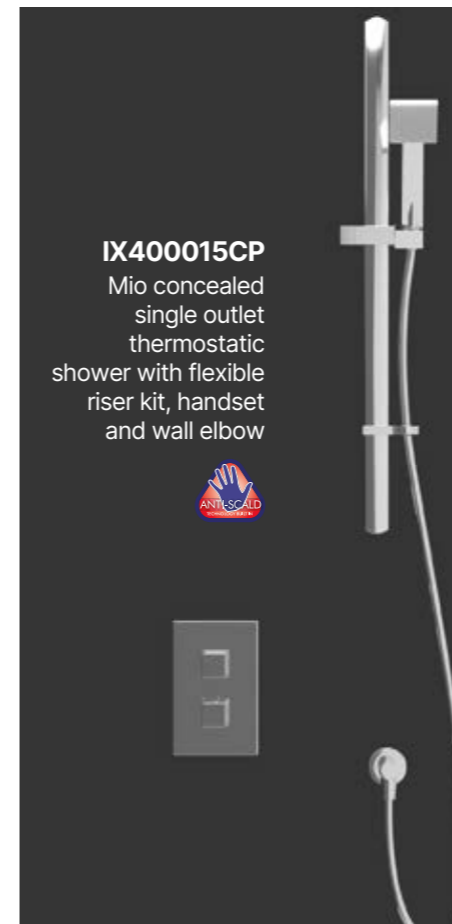


AERATING SPA JET



SPRAY + AERATING SPA JET

**4.07**  
**INSPIRATION MIO CONCEALED SHOWERS**



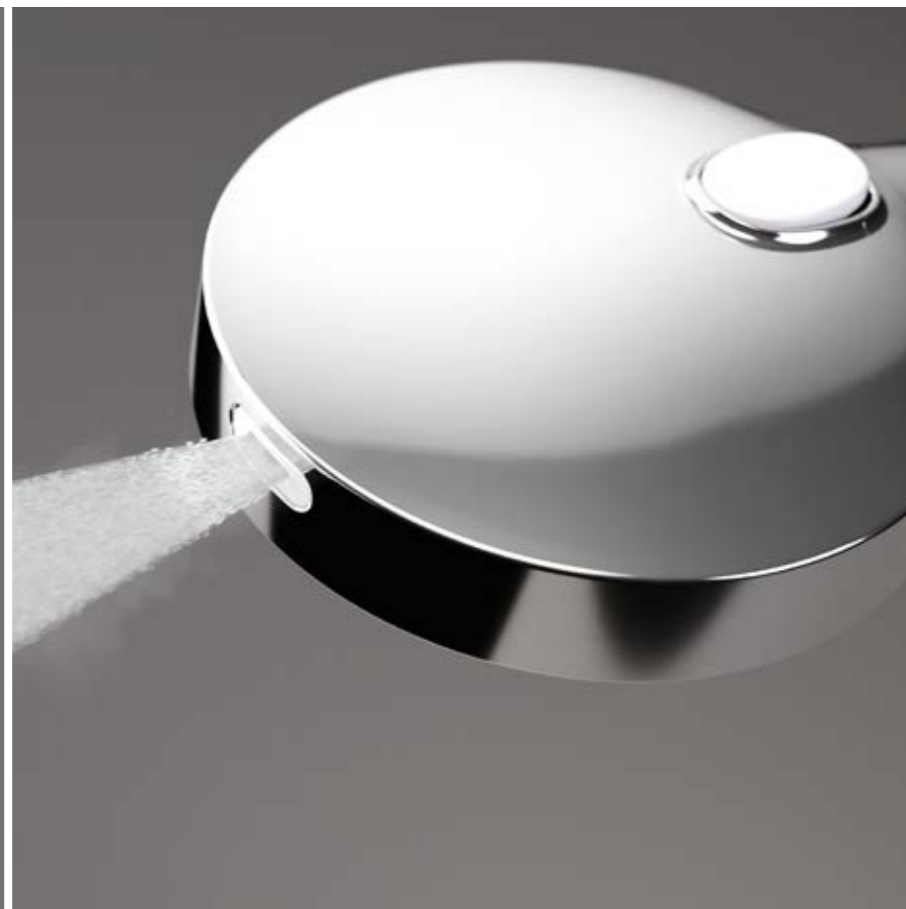
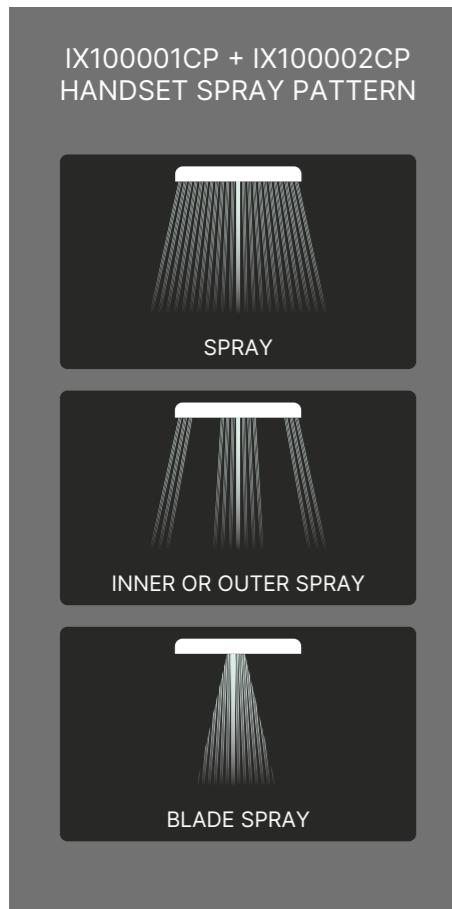
**IX400015CP**  
Mio concealed single outlet thermostatic shower with flexible riser kit, handset and wall elbow



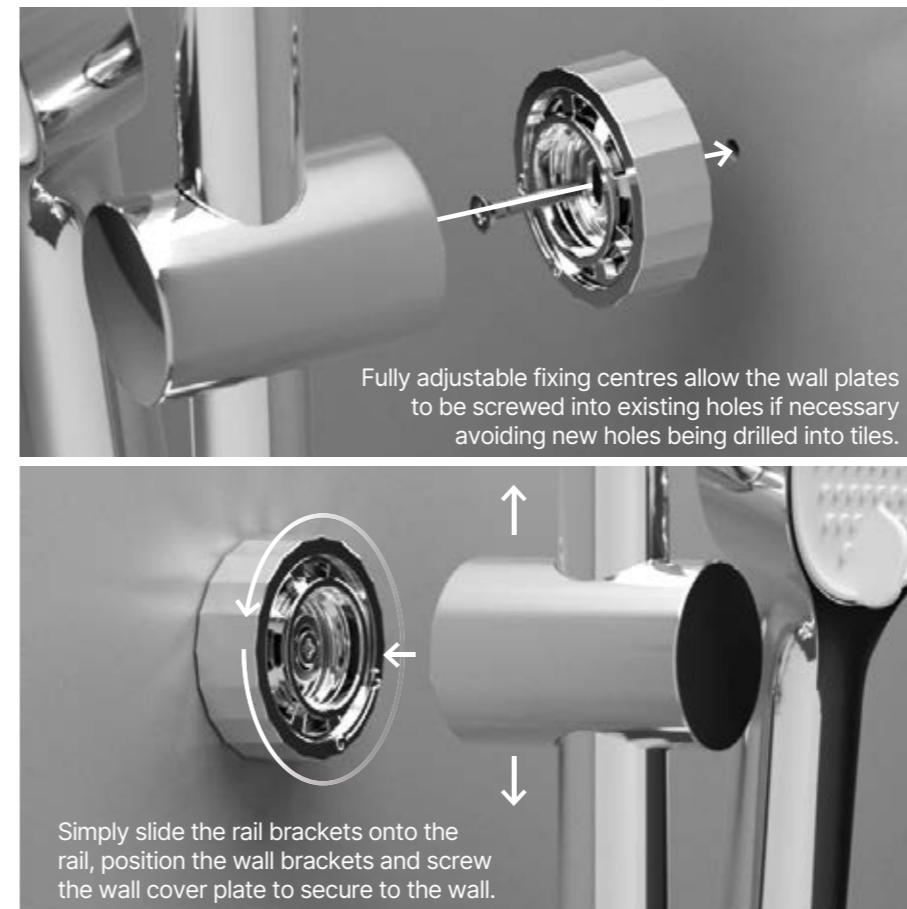
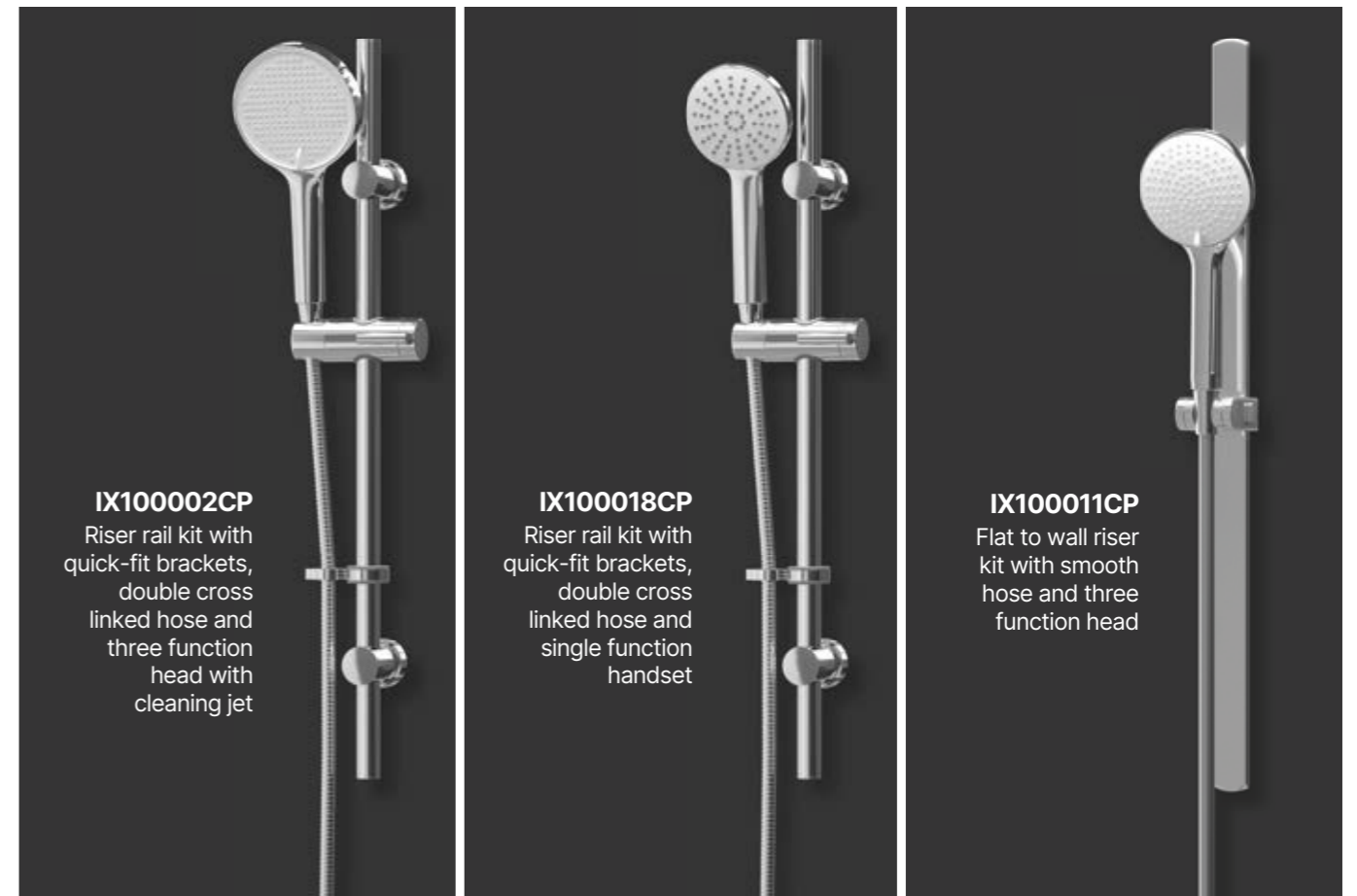
**IX600015CP**  
Mio concealed dual outlet thermostatic shower with overhead arm, soaker and rinse station



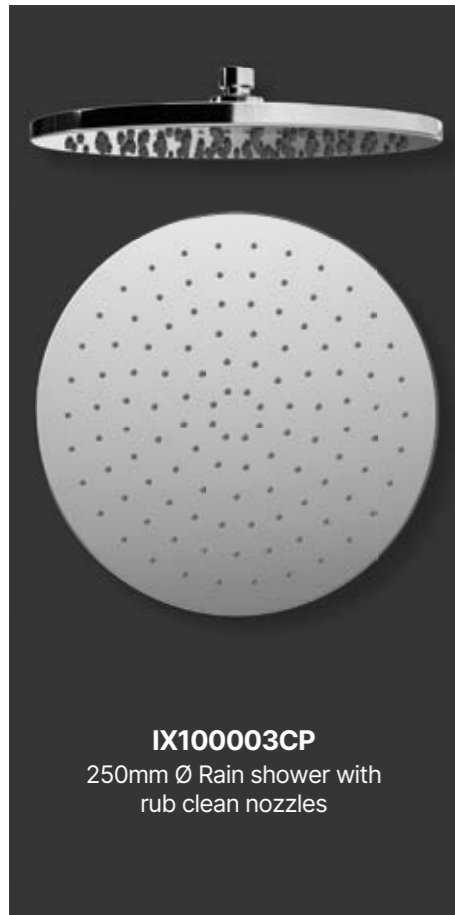
**4.08**  
**INSPIRATION MIO DUAL OUTLET SHOWERS**



**4.09**  
**INSPIRATION MIO CONCEALED SHOWERS**



**4.10**  
**INSPIRATION ACCESSORIES**



**IX100003CP**  
250mm Ø Rain shower with  
rub clean nozzles



**IX100004CP**  
1.5m Smooth  
shower hose



**IX100005CP**   **IX100006CP**  
1.5m Double-  
crosslinked hose   2m Double-  
crosslinked hose



**IX100013CP**  
Inspiration bar shower bracket



**IX100014CP**  
Inspiration chrome wall elbows



**IX100012CP**  
Inspiration fast-fix brackets

inspiration



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