

Edition 7

walker Crosweller

Commercial water saving ablution valve specialists since 1967



walcro[®]
Made in South Africa



BROEN-LAB

rada

Walker Crosweller

Commercial water saving ablution valve specialists since 1967



Welcome to Walker Crosweller (Pty) Ltd

Walker Crosweller is a wholly South African owned company and was established in 1967. We provide a wealth of knowledge and experience in all fields of commercial water saving ablution systems.

The Walcro range of toilet and urinal flush valves, metering and demand taps, shower systems and shower roses are quality manufactured here in South Africa with 'water saving' on the top of the priority list with SANS certification where applicable.

The Walcro products are purpose built for South African conditions in terms of vandal resistance, cost and ease of maintenance i.e. service cartridges for taps and valves that are quick and easy to replace, and we carry a full range of spares.

The metering valves are self closing, meaning that after use it will automatically shut off, very hygienic as the user does not have to touch the tap again.

We are also importers of quality products such as the RADA range of thermostatic mixing valves for anti-scald safety, blended water systems, the O.R. range of commercial water system management valves for pressure control, filtering and directional control plus a range of BROEN-LAB emergency body and eye shower systems as well as the BROEN-LAB range of laboratory taps and fittings.

Our head office is in Randburg with offices in Cape Town, Durban, and agents in Bloemfontein, Port Elizabeth and East London. All our products are sold through reputable plumbing retailers throughout the country.

Walcro[®]
Made in South Africa

rada

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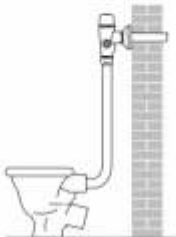



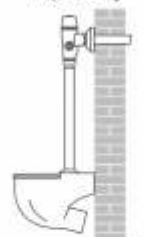





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Toilet flushing valves

Exposed WC specifications - Standard models

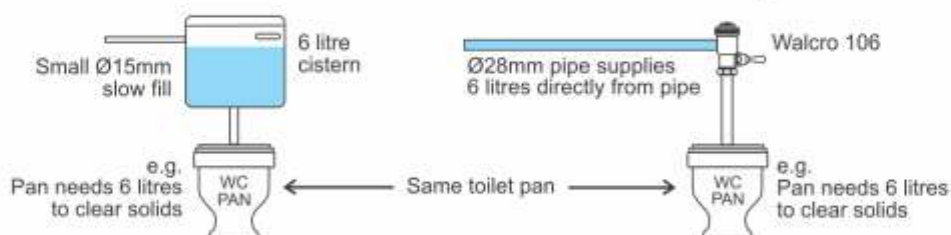
Model	Walcro 550	Walcro 106	Walcro 104
Toilet flushing valves SANS 1240 DZR Brass Made in South Africa	 <p>Inlet Ø20mm 100kPa - 600kPa</p>	 <p>Inlet Ø25mm 30kPa - 600kPa</p>	 <p>Inlet Ø25mm 30kPa - 600kPa</p>
Back entry 	 <p>Code: Walcro 550B Ø20mm BSP, exposed, lever operated, chrome, toilet flushing valve with back entry flush pipe.</p>	 <p>Code: Walcro 106B Ø25mm BSP, exposed, lever operated, chrome, toilet flushing valve with back entry flush pipe.</p>	 <p>Code: Walcro 104B Ø25mm BSP, exposed, lever operated, chrome, toilet flushing valve with isolating check valve, telescopic adjustment and back entry flush pipe.</p>
Top entry 	 <p>Code: Walcro 550T Ø20mm BSP, exposed, lever operated, chrome, toilet flushing valve with top entry flush pipe.</p>	 <p>Code: Walcro 106T Ø25mm BSP, exposed, lever operated, chrome, toilet flushing valve with top entry flush pipe.</p>	 <p>Code: Walcro 104T Ø25mm BSP, exposed, lever operated, chrome, toilet flushing valve with isolating check valve, telescopic adjustment and top entry flush pipe.</p>

Flush valve benefits are

- Multiple "instantaneous" flushing - no refill time and drainage gets flushed correctly.
- Suitable for high volume - public ablutions.
- Vandal resistant DZR Brass - not plastic or ceramic.

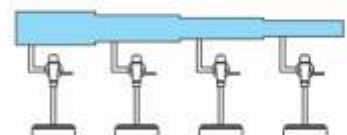
For 'water saving design' it would be best to choose a toilet pan or urinal bowl that requires less water to flush - this would reduce the required volume per pan or bowl and the flush valve can then be adjusted on site to the exact volume of water required.

The same volume of water but delivered differently





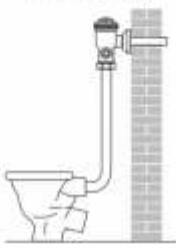


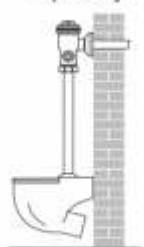


Flush valve pipe sizing is very important!

A larger supply pipe is needed for multiple toilets or urinals



Toilet flushing valves

**Exposed WC specifications -
Extended lever models for users with limited hand use**

Model	Walcro 104H	Walcro 550H
Toilet flushing valves SANS 1240 DZR Brass Made in South Africa	 <p>First choice</p> <p>The valve can alternate for the left or right hand side use</p> <p>Inlet Ø25mm 30kPa - 600kPa</p>	 <p>Note: Can only be used for right hand activation</p> <p>Inlet Ø20mm 100kPa - 600kPa</p>
Back entry 	 <p>Code: Walcro 104HB Ø25mm BSP, exposed, extended lever operated, chrome, toilet flushing valve, isolating check valve, telescopic adjustment and back entry flush pipe, suitable for disability type use.</p>	 <p>Code: Walcro 550HB Ø20mm BSP, exposed, extended lever operated, chrome, toilet flushing valve with back entry flush pipe. Suitable for disability use. NB: For right hand activation only.</p>
Top entry 	 <p>Code: Walcro 104HT Ø25mm BSP, exposed, extended lever operated, chrome, toilet flushing valve, isolating check valve, telescopic adjustment and top entry flush pipe, suitable for disability type use.</p>	 <p>Code: Walcro 550HT Ø20mm BSP, exposed, extended lever operated, chrome, toilet flushing valve with top entry flush pipe. Suitable for disability use. NB: For right hand activation only.</p>

Walcro squat pan toilet flushing valve for Eastern applications

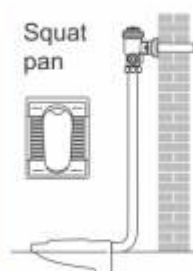
The Eastern type flushing valve models feature the same exposed valve, but have an extended straight vertical chrome flush pipe with additional concealed elbow and horizontal flush pipe for rear type floor entry in squat pan.



Specifications for squat pan exposed valve




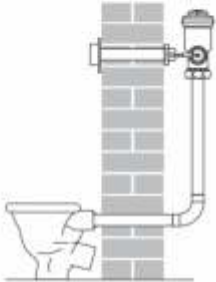



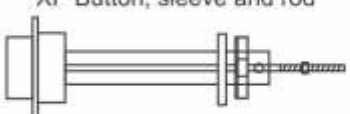



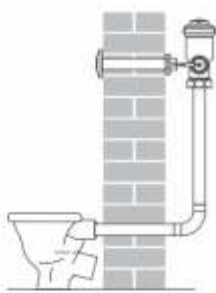



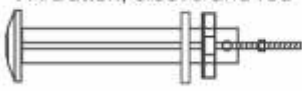



Walcro 106SP: Ø25mm BSP, exposed, lever operated, chrome, DZR brass squat pan flushing valve with extended chrome pipe and floor / back entry connections.

30kPa - 600kPa










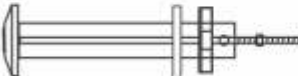



Toilet flushing valves

Concealed / Duct WC specifications - Standard models

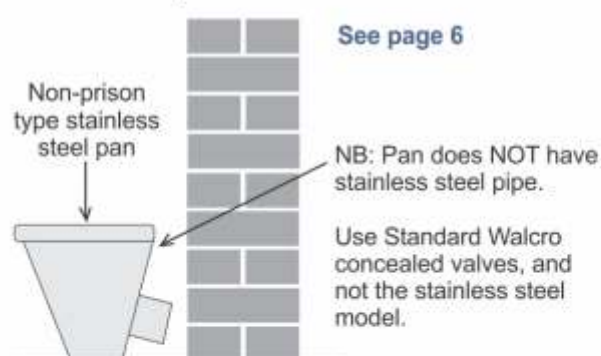
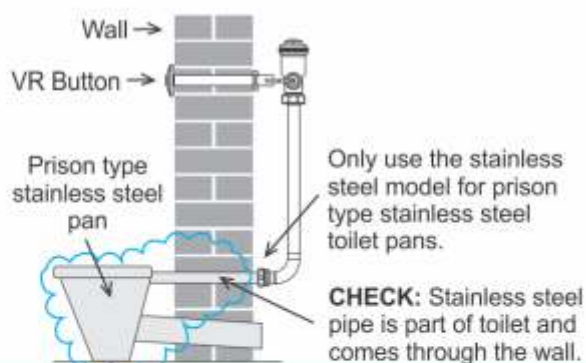
Model	Walcro 103	Walcro 106	Walcro 104
Toilet flushing valves SANS 1240 DZR Brass Made in South Africa	 <p>Valve hidden in duct Inlet Ø20mm 100kPa - 600kPa</p>	 <p>Valve hidden in duct Inlet Ø25mm 30kPa - 600kPa</p>	 <p>Valve hidden in duct Inlet Ø25mm 30kPa - 600kPa</p>
	 <p>Only XP button visible inside toilet cubicle</p> <p>Code: Walcro 103LCXP Ø20mm BSP, concealed, toilet flushing valve with XP button and concealed flush pipes.</p>	 <p>Only XP button visible inside toilet cubicle</p> <p>Code: Walcro 106CXP Ø25mm BSP, concealed, toilet flushing valve with XP button and concealed flush pipes.</p>	 <p>Only XP button visible inside toilet cubicle</p> <p>Code: Walcro 104CXP Ø25mm BSP, concealed, toilet flushing valve with XP button, isolating check valve, telescopic adjustment and concealed flush pipe.</p>
Supplied with valve			 
	 <p>Only VR button visible inside toilet cubicle</p> <p>Code: Walcro 103LC Ø20mm BSP, concealed, toilet flushing valve with VR button and concealed flush pipes.</p>	 <p>Only VR button visible inside toilet cubicle</p> <p>Code: Walcro 106C Ø25mm BSP, concealed, toilet flushing valve with VR button and concealed flush pipes.</p>	 <p>Only VR button visible inside toilet cubicle</p> <p>Code: Walcro 104C Ø25mm BSP, concealed, toilet flushing valve with VR button, isolating check valve, telescopic adjustment and concealed flush pipe.</p>
Supplied with valve			 

Toilet flushing valves

Concealed / Duct WC specifications - Special models for stainless steel prison type WC pans

Model	Walcro 103	Walcro 106	Walcro 104	
Toilet flushing valves				
SANS 1240				
DZR Brass				
Made in South Africa				
				
	Valve hidden in duct Inlet Ø20mm 100kPa - 600kPa	Valve hidden in duct Inlet Ø25mm 60kPa - 600kPa	Valve hidden in duct Inlet Ø25mm 60kPa - 600kPa	
	 Only VR button visible inside toilet cubicle Code: Walcro 103LC-SS Ø20mm BSP, concealed, toilet flushing valve with S.S. WC pan adaptor, VR button and concealed flush pipe for S.S. pan.	 Only VR button visible inside toilet cubicle Code: Walcro 106C-SS Ø25mm BSP, concealed, toilet flushing valve with S.S. WC pan adaptor, VR button and concealed flush pipe for S.S. pan.	 Only VR button visible inside toilet cubicle Code: Walcro 104C-SS Ø25mm BSP, concealed, toilet flushing valve with S.S. WC pan adaptor, VR button, isolating check valve, telescopic adjustment and concealed flush pipe for S.S. pan.	
Supplied with valve	VR Button, sleeve and rod 	Concealed flush pipe 	Concealed elbow 	S.S. Pan adaptor 

Please note the differences between the prison stainless steel pan and the standard stainless steel pan



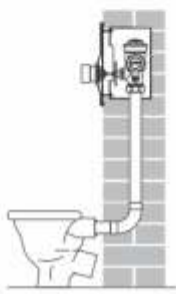
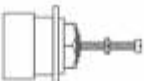





See page 6

Walcro specialises in high risk / vandal resistant prison and police facility valves

Toilet flushing valves

Built-in box model toilet flushing valve specifications

Model	Walcro 107CHP	Walcro 107CLP
Toilet flushing valves SANS 1240 DZR Brass Made in South Africa	 <p>Cutaway section</p> <p>Valve in built-in box Inlet Ø20mm 100kPa - 600kPa</p>	 <p>Cutaway section</p> <p>Valve in built-in box Inlet Ø25mm 30kPa - 600kPa</p>
	<p>Code: Walcro 107CHP Ø20mm BSP with union, built-in box, toilet flushing valve with stainless steel cover plate, XP button and concealed flush pipes.</p>	<p>Code: Walcro 107CLP Ø25mm BSP with union, built-in box, toilet flushing valve with stainless steel cover plate, XP button and concealed flush pipes.</p>
	<p>Supplied with built-in box</p> <p>XP Button</p> 	<p>Concealed flush pipes</p>  <p>Concealed elbow</p>  <p>Rubber bung</p> 

Commercial water system management valve range

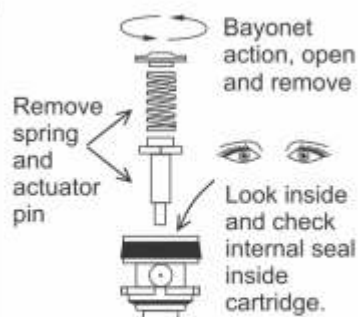
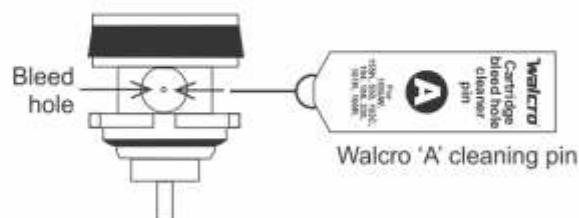
See pages 31 to 34 for a full comprehensive range, sizes and specification guide lines



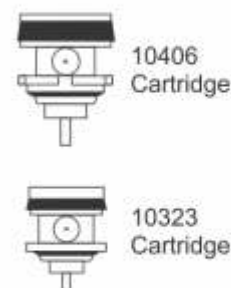
Easy to service toilet flushing valves

Simple and fast cartridge servicing illustration

The bleed hole is the most important check - it must be open. Clean the hole using the Walcro 'A' cleaning pin or a tiny needle e.g. a gas/paraffin stove cleaner.

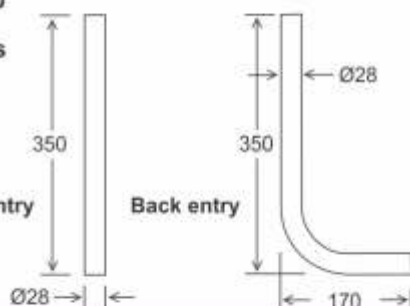
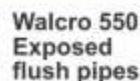


Replacing service cartridges

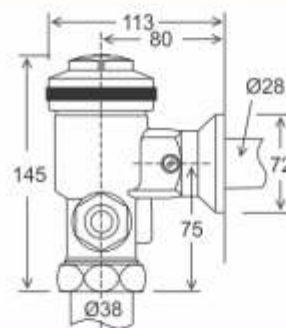


Selected Walcro WC illustrations and dimensions

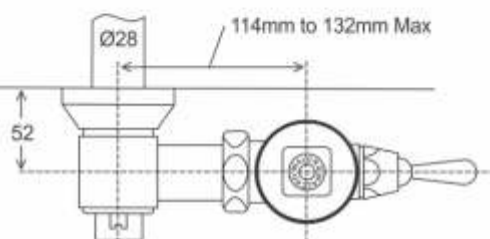
Walcro 550 Exposed



Walcro 106 Exposed

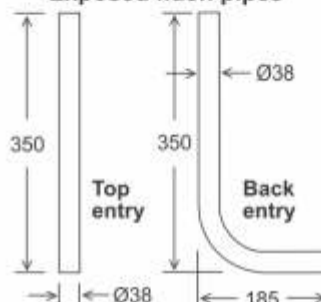


Walcro 104 Exposed

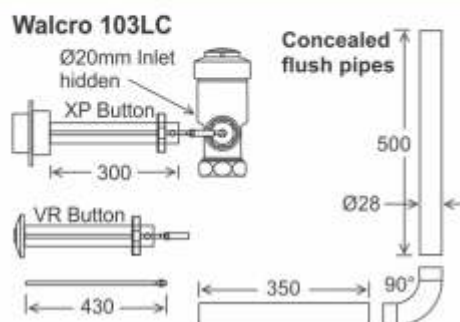


Walcro 106 & 104

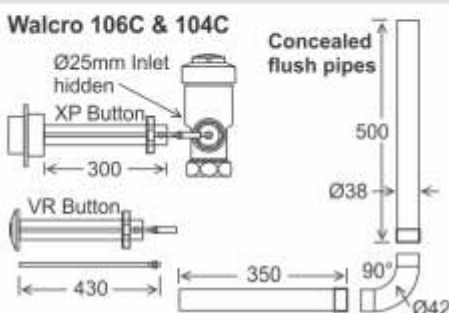
Exposed flush pipes



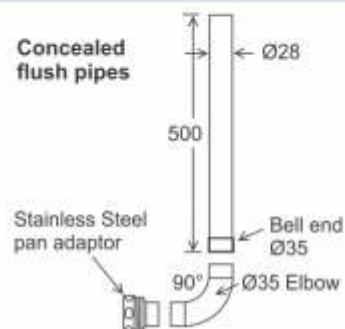
Walcro 103LC Concealed



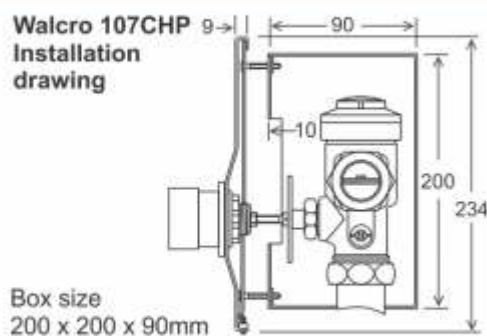
Walcro 106C and 104C Concealed



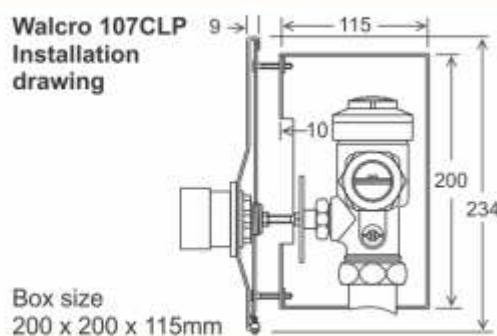
Walcro 103LC-SS



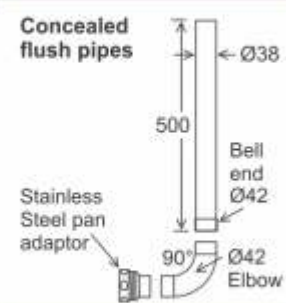
Walcro 107CHP Built-in box



Walcro 107CLP Built-in box



Walcro 104C-SS
Walcro 106C-SS



Walcro® Urinal flushing valves

Exposed, built-in and concealed models

TOGETHER
SAVING
OUR
WATER



Hygienic urinal bowl flushing with minimal water and maximum savings

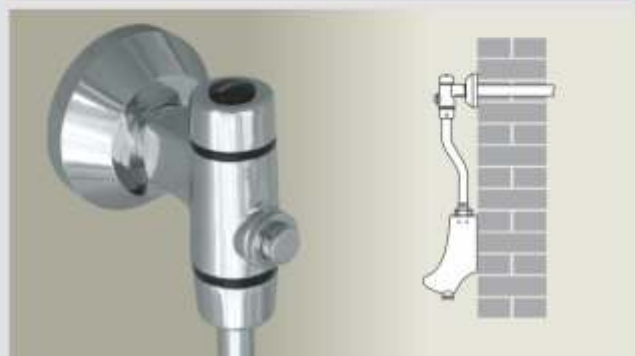
e.g.

Flatback: Edge to edge coverage using 0,3 Litre / flush*

Lavatera: Edge to edge coverage using 0,5 Litre / flush*

*Test conducted with an independent observer at 3 bar.

Exposed application



Built-in application



Concealed duct application



Urinal flushing valves

Exposed UR Specifications

Model	Walcro 330UR	Walcro 103LUR	Walcro 550URV
Urinal flushing valves SANS 1240 DZR Brass Made in South Africa			 Special high volume model for stainless steel wall urinals Made on order
	Inlet Ø15mm 100kPa - 600kPa	Inlet Ø20mm 30kPa - 600kPa	Inlet Ø20mm 100kPa - 600kPa
	Code: Walcro 330UR Ø15mm BSP, exposed, chrome, urinal flushing valve with flow control, strainer and no-hold feature for single bowl urinal. (Not suitable for large siphonic urinals)	Code: Walcro 103LUR Ø20mm BSP, exposed, lever operated, chrome, urinal flushing valve with flow control, strainer and no-hold feature for single bowl urinal.	Code: Walcro 550URV Ø20mm BSP, exposed, lever operated, chrome, urinal flushing valve for stainless steel wall. Note 1: The 550URV has been modified for a special application. Note 2: Depending on the stainless steel urinal wall length, multiple 550URV valves may be required.

Walcro urinal flush pipe

Code: **Walcro UR15TP**

Ø15mm offset, exposed, chrome flush pipe for the 330UR and 103LUR.

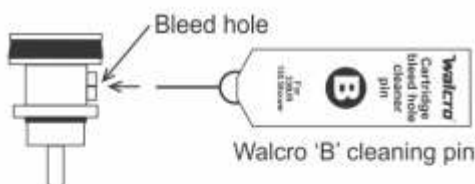


Easy to service urinal flushing valves

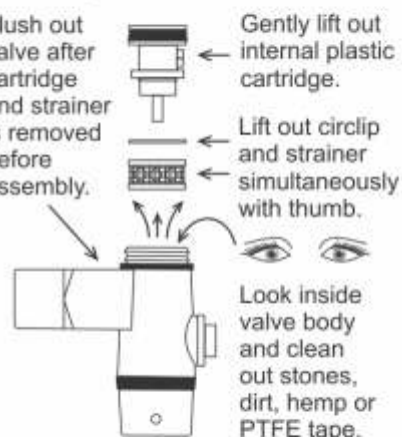
Simple and fast cartridge servicing illustration

The bleed hole is the most important check - it must be open.

Clean the hole using the Walcro 'B' cleaning pin or a tiny needle e.g. a gas/paraffin stove cleaner.



Flush out valve after cartridge and strainer is removed before assembly.





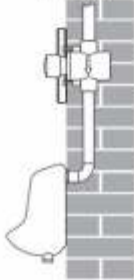
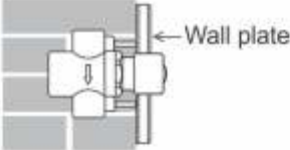
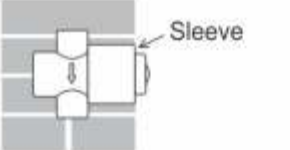

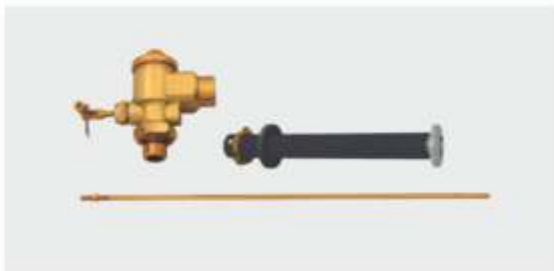
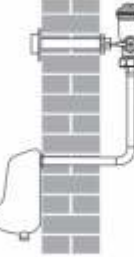


Water saving:

As water saving specialists, Walcro recommends using small urinal bowls which use less water to flush.



Urinal flushing valves

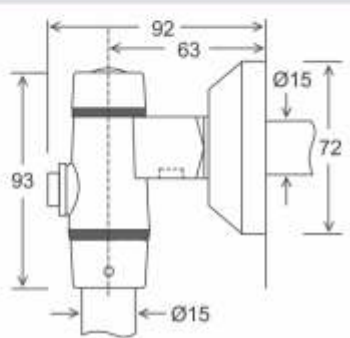
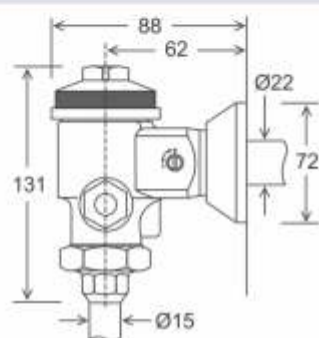
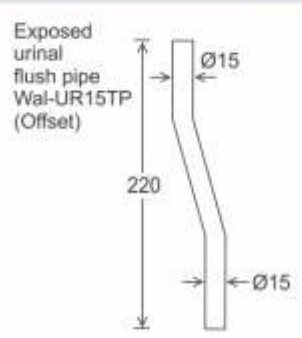
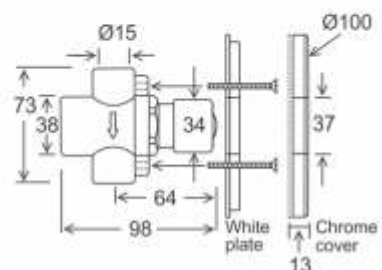
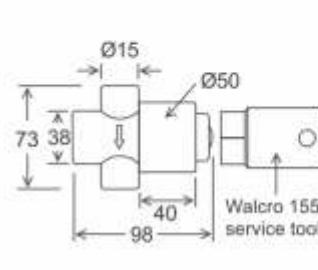
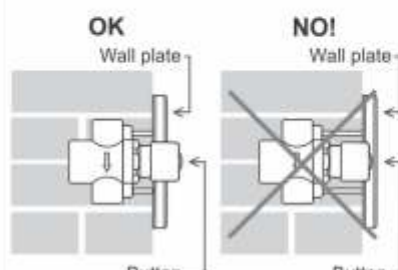
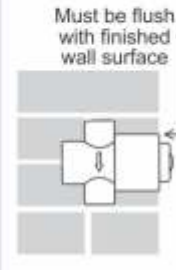
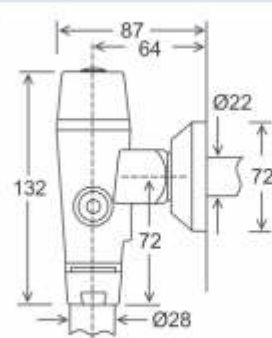
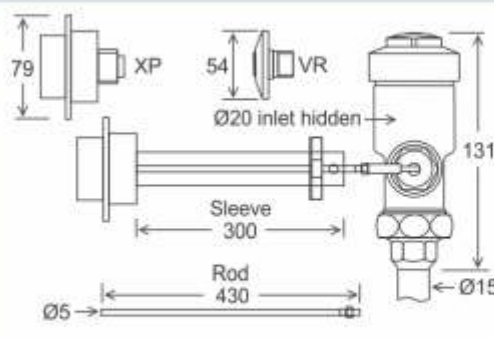
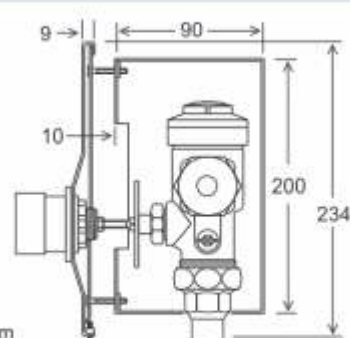
Built-in and Concealed UR Specifications

Model	Walcro 155UW with wall plate	Walcro 155UWS with sleeve
Urinal flushing valves DZR Brass No hold open feature Made in South Africa	 <p>Valve in wall Inlet Ø15mm 30kPa - 600kPa</p>	 <p>Valve in wall Inlet Ø15mm 30kPa - 600kPa</p>
Illustration of 155UW 	<p>Code: Walcro 155UW Ø15mm BSP, built-in, urinal flushing valve with internal flow control, strainer, no-hold feature and chrome wall plate for single bowl urinal.</p> 	<p>Code: Walcro 155UWS Ø15mm BSP, built-in sleeve, urinal flushing valve with internal flow control, strainer and no-hold feature for single bowl urinal. High risk, vandal resistant applications.</p> 
Model	Walcro 103LURCXP	Walcro 103LURC
Urinal flushing valves SANS 1240 DZR Brass Made in South Africa	 <p>Valve hidden in duct Inlet Ø20mm 30kPa - 600kPa</p>	 <p>Valve hidden in duct Inlet Ø20mm 30kPa - 600kPa</p>
Illustration of 103LURCXP 	<p>Code: Walcro 103LURCXP Ø20mm BSP, concealed, urinal flushing valve with internal strainer and XP button.</p> 	<p>Code: Walcro 103LURC Ø20mm BSP, concealed, urinal flushing valve with internal strainer and VR button.</p> 

Urinal flushing valves

Model	Walcro 107CHP-UR Built-in box urinal flushing valve	
Urinal flushing valves	 <p>Cutaway section</p>	<p>Valve in built-in box</p> <p>Inlet Ø20mm 100kPa - 600kPa</p> <p>Code: Walcro 107CHP-UR BSP with union, built-in box, urinal flushing valve with stainless steel cover plate and XP button.</p> <p>Made on order</p>
SANS 1240		
DZR Brass		
Made in South Africa		

Selected Walcro UR illustrations and dimensions

Walcro 330UR	Walcro 103LUR Exposed	Walcro UR Flush pipe	
		 <p>Exposed urinal flush pipe Wal-UR15TP (Offset)</p>	
Walcro 155UW	Walcro 155UWS sleeve	Walcro 155UW Button depth	155UWS sleeve
		 <p>OK Wall plate Button</p> <p>NO! Wall plate Button</p>	 <p>Must be flush with finished wall surface</p>
Walcro 550URV	Walcro 103LURCXP & 103LURC	Walcro 107CHP-UR	
		 <p>Box 200 x 200 x 90mm</p>	

Walcro® Water saving metering taps for commercial and public ablutions

Water saving metering taps for hand wash applications



Metering principle - self closing

- Water saving.
- Self closing.
- Cannot be left running unattended.
- Adjustable flow control.
- Enhanced hygiene - no touch closing.
- Perfectly matched for Rada thermostatic mixing valve integration for the ultimate in control, anti-scald safety and water saving.

Metering taps for hand wash applications

Model	Walcro 420	Walcro 424	Walcro 100R
Metering taps SANS 1808-9 DZR Brass Made in South Africa	 <p>Inlet Ø15mm 30kPa - 600kPa</p>	 <p>Special low volume model Made on order</p> <p>Inlet Ø15mm 30kPa - 600kPa</p>	 <p>Inlet Ø15mm 30kPa - 600kPa</p>
	Code: Walcro 420 Ø15mm BSP, pillar, chrome metering basin tap with internal flow control, strainer, no-hold feature and water saving shut-off.	Code: Walcro 424 Ø15mm BSP, pillar, chrome metering basin tap with internal flow control, strainer, no-hold feature and extra water saving shut-off.	Code: Walcro 100R Ø15mm BSP, pillar, chrome metering basin tap with internal flow control, strainer, no-hold feature and water saving shut-off.


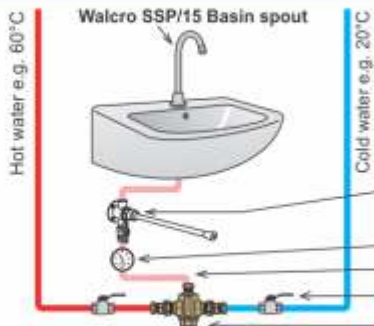
Metering taps for hand wash applications

Model	Walcro 101R	Walcro 155UW	Walcro 155UWS
Metering taps SANS 1808-9 DZR Brass Made in South Africa	 <p>Inlet Ø15mm 30kPa - 600kPa</p>	 <p>Inlet Ø15mm 30kPa - 600kPa</p>	 <p>Inlet Ø15mm 30kPa - 600kPa</p>
	Code: Walcro 101R Ø15mm Bib, chrome tap with internal flow control, strainer, no-hold feature and water saving shut-off.	Code: Walcro 155UW Ø15mm Built-in, basin valve with internal flow control, strainer, no-hold feature and water saving shut-off.	Code: Walcro 155UWS Ø15mm Built-in sleeve, basin valve with internal flow control, strainer and no-hold feature for single basin.
		 <p>Code: Walcro GWS: Ø15mm chrome, basin wall spout, 150mm.</p>	 <p>Code: Walcro BBD/65: Ø15mm, high risk, chrome, basin wall spout with locking pins.</p>

Metering valve

Hands free ablation washing in toilet ablation blocks

Model	Walcro 155K No-touch metering basin valve - knee operated	Walcro SSP/15 High neck basin spout
<p>Special application metering valve</p> <p>DZR Brass</p> <p>Made in South Africa</p>	 <p>Knee operated → activate, release, → self closing</p> <p>Recommend 3 - 4 bar. Do not use this valve with high pressure! Supplied with ball valve</p> <p>Inlet Ø15mm 50kPa - 500kPa</p>	 <p>Inlet Ø15mm</p>
<p>NB: This is NOT a process valve for repeated use!</p>	<p>Code: Walcro 155K Ø15mm BSP, knee operated, wall mounted, chrome metering valve with internal flow control and ball valve for no-touch water saving hand washing.</p>	<p>Code: Walcro SSP/15: Ø15mm BSP, chrome, high neck basin spout for easy hand washing and use with Walcro 155K.</p>

<p>Additional information</p>	 <p>High neck spout for easy hand and arm no-touch washing with the Walcro 155K</p>	 <p>Note: Both hot and cold water supplies must be pressure balanced</p> <p>Walcro SSP/15 Basin spout</p> <p>Walcro 155K No-touch knee operated metering basin valve with ball valve</p> <p>Thermometer Blended water 42°C Isolating valve Rada Meynell 15/3 Thermostatic mixing valve</p>
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Rada Meynell 15/3 Thermostatic mixing valve

INDIVIDUAL / GROUP



The Rada Meynell 15/3 thermostatic mixing valve is the perfect solution for 'under basin' type installations to provide a high level of safe anti-scald protection for hand washing applications. The 15/3 is housed in a plastic outer casing for tamper proof temperature adjustment.

Specification

Rada Meynell 15/3: 1/2" thermostatic mixing valve. Supplied complete with white plastic outer casing and integral check valves and strainers.

Rada 222 DK-LF Thermostatic mixing valve

GROUP

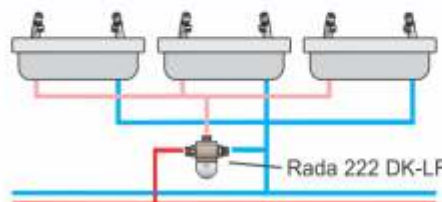
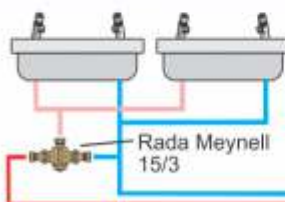
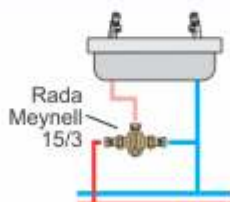


The Rada 222 DK-LF thermostatic mixing valve with 'Radatherm' technology is ideal for anti-scald small group hand basin applications. The valve features a pre-set maximum temperature safety stop concealed in a locked temperature shroud to prevent unwanted tampering.

Specification

Rada 222 DK-LF: 3/4" Thermostatic mixing valve incorporating 'Radatherm' cartridge, complete with integral check valves and strainers.

Blended water systems with Rada thermostatic mixing valves are used for anti-scald safety and to limit hot water wastage. The preferred hot water temperature is set at the Rada valve thus ensuring safe and usable water temperature delivery for rapid processing. Rada mixing valves should be sized correctly - contact us for assistance.



Demand taps

Water saving demand taps for 'hold open' applications



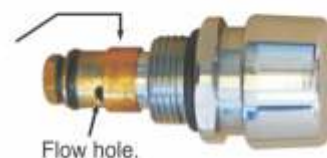
Demand principle - hold open

- Water saving.
- Self closing, requires manual button hold down to release water.
- Adjustable flow control.

Model	Walcro 100D	Walcro 101D	Walcro 111D
Demand taps SANS 1808-66 DZR Brass Made in South Africa	 <p>Inlet Ø15mm 30kPa - 600kPa</p>	 <p>Inlet Ø15mm 30kPa - 600kPa</p>	 <p>Inlet Ø15mm 30kPa - 600kPa</p>
	<p>Code: Walcro 100D Ø15mm BSP, chrome, pillar demand tap with internal flow control.</p> <p>Not recommended for hand washing as the tap must be continually held open with one hand.</p>	<p>Code: Walcro 101D Ø15mm BSP, chrome, bib / wall demand tap with internal flow control.</p> 	<p>Code: Walcro 111D Ø15mm BSP, chrome in-line demand stopcock with internal flow control.</p>

Water flow adjustment

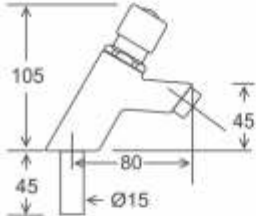
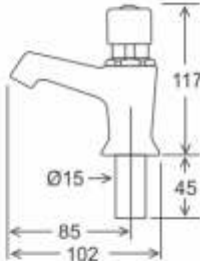
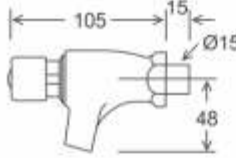
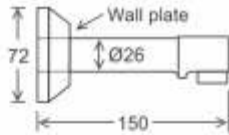
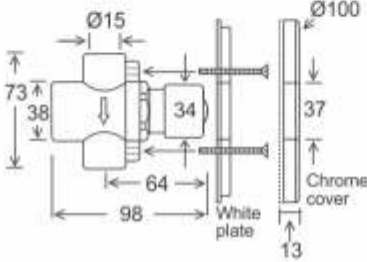
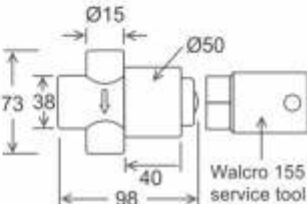
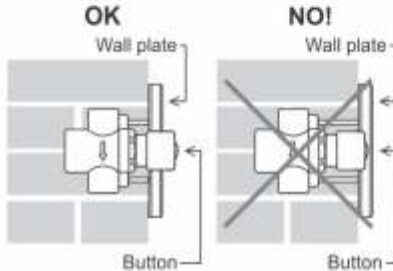
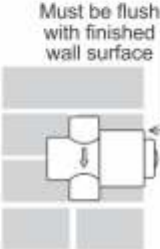
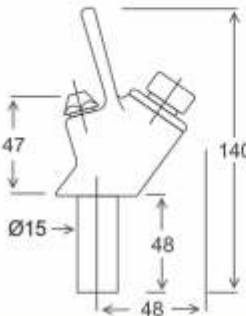
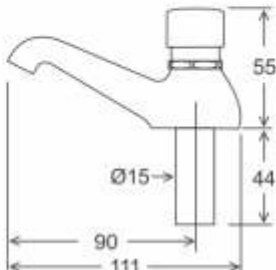
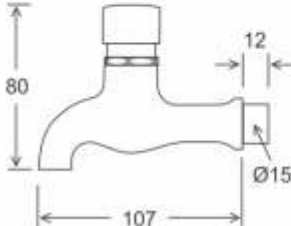
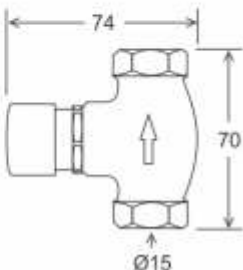
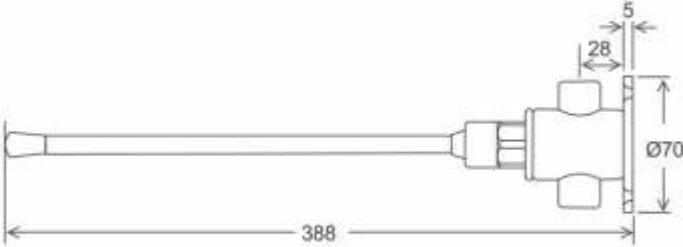
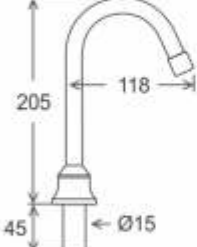
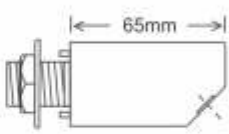
- Isolate water supply and remove head part from valve or tap body.
- Move flow control sleeve up to open the hole and increase the flow or down to close the flow hole to decrease the flow.



Model	Walcro 109 Drinking fountain		
Demand taps SANS 1808-16 DZR Brass Made in South Africa		<p>Inlet Ø15mm 30kPa - 600kPa</p> <p>Code: Walcro 109 Ø15mm BSP, chrome, pillar drinking fountain tap with adjustable nozzle flow, hygienic protective plate, internal strainer and easy clean design.</p>	



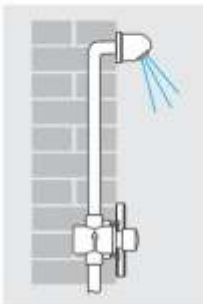
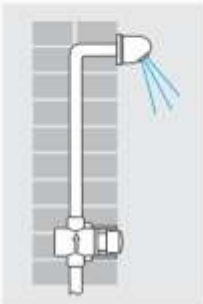
Metering and demand taps

Selected Walcro metering and demand illustrations and dimensions

Walcro 420 / 424	Walcro 100R	Walcro 101R	Walcro GWS wall spout
			
Walcro 155UW Walcro 155	Walcro 155UWS Walcro 155S	Walcro 155UW & 155 Button depth	155UWS 155S
			
Walcro 109	Walcro 100D	Walcro 101D	Walcro 111D
			
Walcro 155K		Walcro SSP/15	Walcro BBD/65
			

Water saving shower metering valves

Shower applications

Model	Walcro 155 with wall plate	Walcro 155S with sleeve
Metering shower valves DZR Brass Made in South Africa	 <p>Valve in wall Inlet Ø15mm 30kPa - 600kPa</p>	 <p>Valve in wall Inlet Ø15mm 30kPa - 600kPa</p>
Recommended minimum 100kPa for a reasonable shower	<p>Code: Walcro 155 Ø15mm BSP, Built-in, shower metering valve with internal flow control, strainer, no-hold feature and water saving shut off.</p> 	<p>Code: Walcro 155S Ø15mm BSP, Built-in with sleeve, shower metering valve with internal flow control, strainer, no-hold feature and water saving shut off.</p> <p>High risk vandal resistant applications</p> 

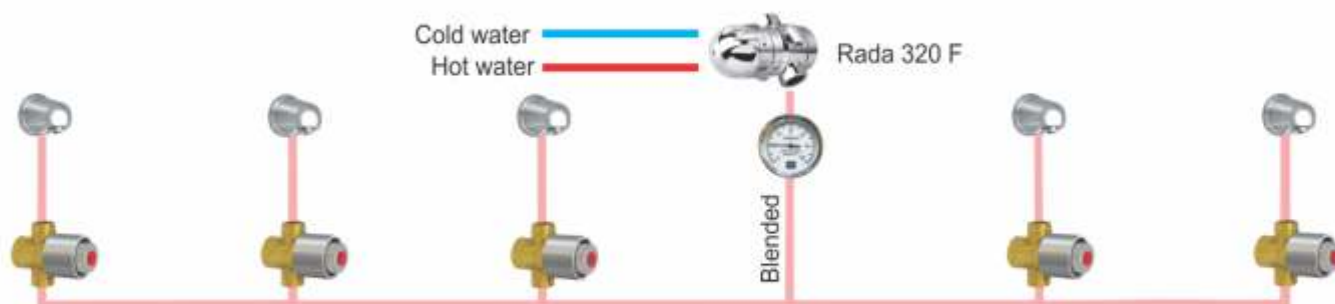
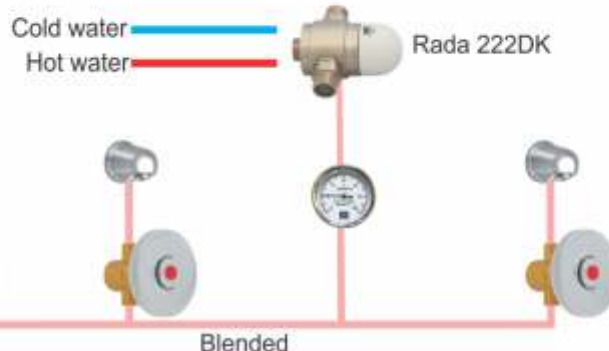
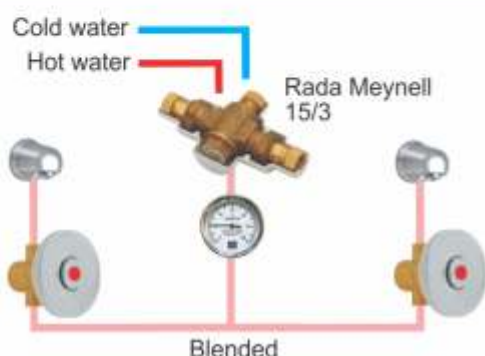
Walcro 155 & 155S Shower metering options



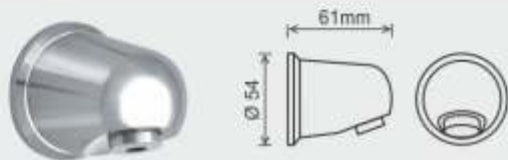
Blended water systems with Rada thermostatic mixing valves enhances safety, comfort and hot water savings.

Blended water with Rada Anti-scald safety protection

The Walcro 155 metering valve is also available for cold only.



Walcro CIRS-V2



Code: **Walcro CIRS-V2**

Designed for commercial and industrial showering applications. Features vandal resistant properties, internal strainer and provides jet type spray thanks to the internal propeller and thus is far less susceptible to lime scale blocking. The shower rose was specially designed to save water and does not require a regulator.

Inlet connection: 1/2" BSP female (15mm)

Flow rate range: 6 litre/min to 8 litre/min, Pressure dependant

Minimum pressure: 1 bar

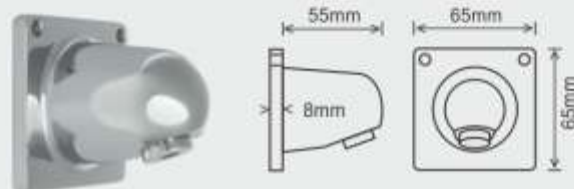
Strainer: Internal - removable for cleaning



Installation:

Wall mount: External shower body can be rotated and locked. Can be installed to spray back into the shower cubicle,

Walcro CIRS-V3



Code: **Walcro CIRS-V3**

High Risk, Vandal Resistant Shower Rose with Rotational Flow Technology

Vandal resistant selectable levels of security

- Tiled-in + wall pins

- Tiled-in

- Surface mounted with pins

Perfect for mining, prisons and any public ablution shower where vandalism is a high risk.

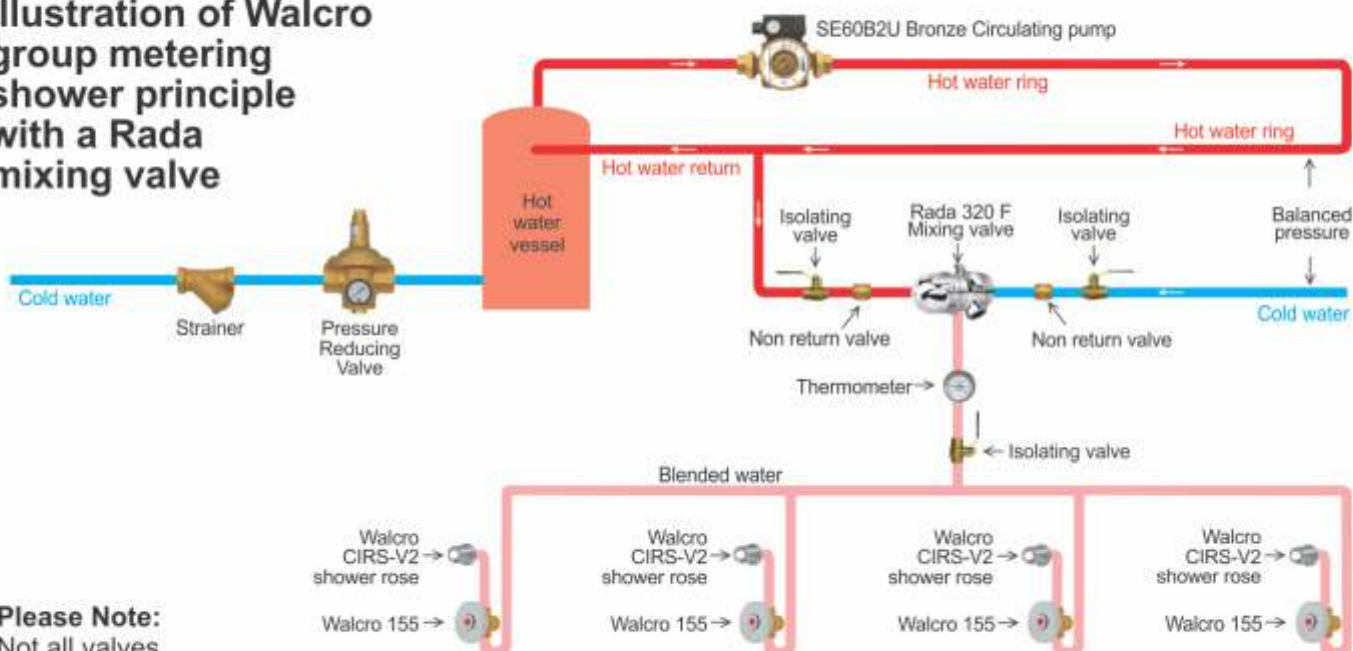
Walcro's Rotational Flow Technology design ensures that there are no small holes that can easily get blocked with lime or dirt. The V3 has 1 large outlet for long term non-clogging. Internal strainer - to stop large dirt / stone particles.

Inlet connection: 1/2" BSP female (15mm)

Minimum pressure: 1 bar

Flow rate range: 6 litre/min to 8 litre/min, Pressure dependant

Illustration of Walcro group metering shower principle with a Rada mixing valve

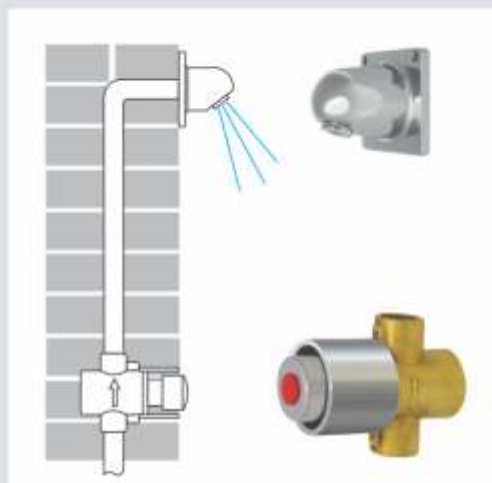
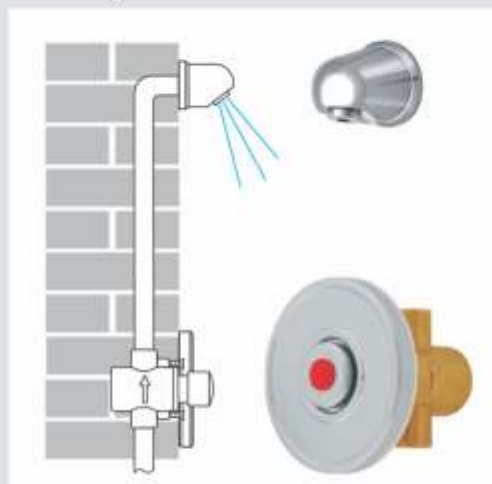


Please Note:

Not all valves required are shown.

The advantages of metering shower valves

The Walcro metering principle is used for showering applications. After activation the Walcro metering valve operates for a predetermined time with a self closing action. The metering fittings specifically target water saving with adjustable flow control and a self closing action ensuring the fitting cannot be left running unattended.



Rada mixing valves are used for Anti-scald Safety and to limit hot water wastage. The preferred hot water temperature is set at the Rada valve thus ensuring safe and usable water temperature delivery for rapid processing. Rada mixing valves should be sized correctly for single or multiple ablution outlet fittings, please contact us for assistance.

Rada is the solution to protect the public and children from accidental scalding hot water

Why use Rada thermostatic?

The Radatherm cartridge constantly senses and reacts to deliver a consistent safe blended water temperature. The valve prevents the ablution user from receiving the scalding hot water in a geyser at around 60-65°C. Instead it will accurately reduce the hot water down to a safe temperature.

Skin injuries by scalding

	Temperature	Contact time	
	48°C	5 Minutes	
	51°C	2 minutes	
	54°C	30 seconds	
	57°C	10 seconds	
Average	60°C	5 seconds	Solution
Geyser	63°C	3 seconds	= Rada
Temp.	65°C	1.5 seconds	Thermostatic

What they do:

- Thermostatic mixing valves, accurately control the temperature of water for showering, bathing and hand-washing.
- They should maintain the pre-selected temperature even if the water pressures and temperatures vary when other appliances are used.
- Installed and maintained correctly, they can significantly reduce the risk of scalding.
- In the event of cold water supply failure, the thermostatic mixing mechanism will automatically shut down the flow to prevent discharge of dangerously hot water. Similarly, in the event of hot water failure to prevent cold water shock.

How do they work?

- Hot and cold water enters the valve and is mixed to a temperature pre-selected by the user or installer.
- This is achieved automatically by a thermally sensitive mechanism thermostat or thermistor, within the valve that proportions the amount of hot and cold water entering to produce the required blend.
- The mechanism automatically compensates for any variations in supply pressures or temperatures to maintain the pre-selected temperature.



Rada 320 F

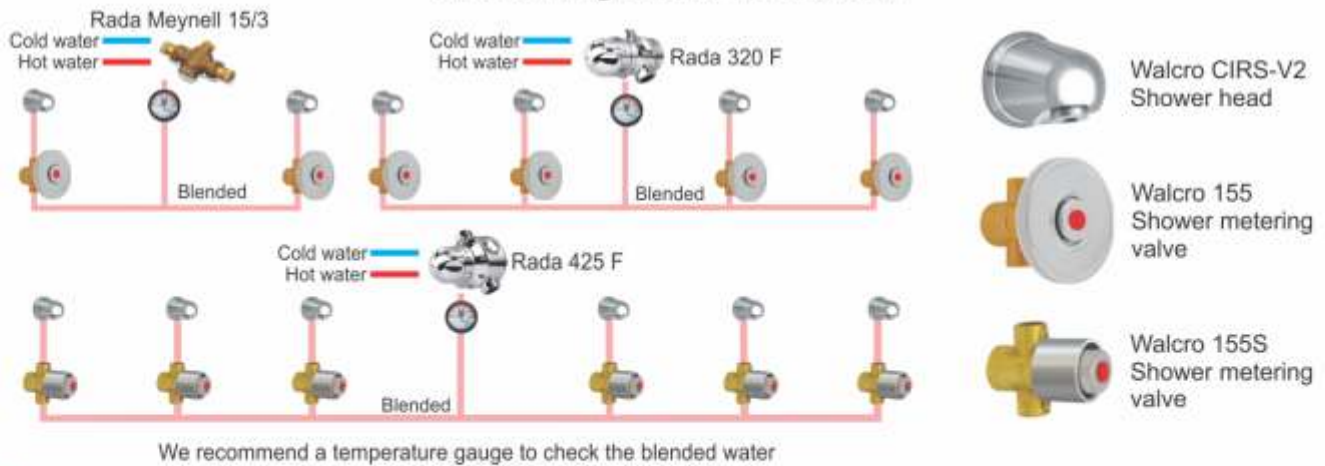


Rada 222 DK-LF

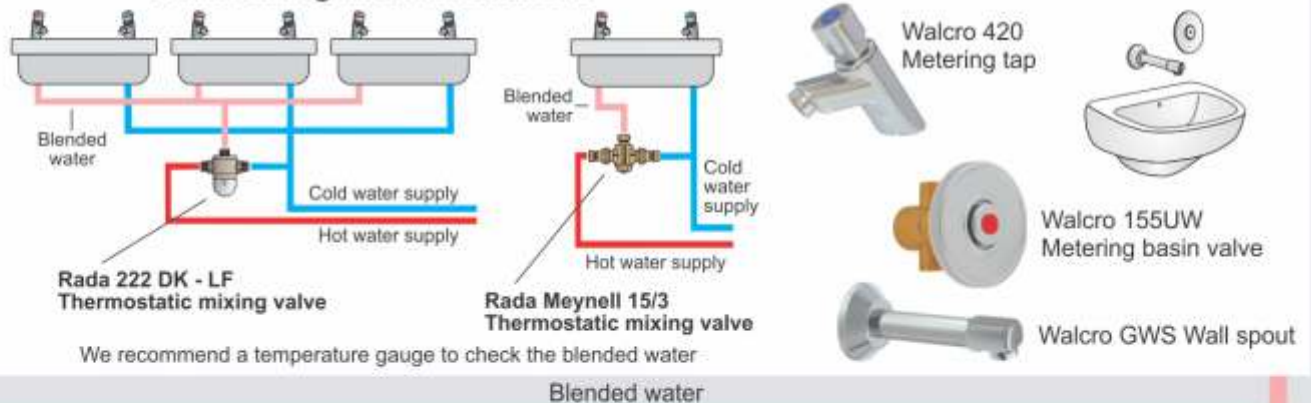
The principles of metering anti-scald blended water

Rada mixing valves are used for anti-scald safety and to limit hot water wastage. The preferred hot water temperature is set at the Rada valve thus ensuring safe and usable water temperature delivery for rapid processing.

Water saving shower illustrations



Water saving basin illustrations



rada
Anti-scald
thermostatic
mixing valves



Rada 425 F



Rada 320 F



Rada 222 DK-LF



Rada 215 OEM



Rada Meynell 15/3

Hot water supply

Cold water supply

Walker Crossweller pump kit



SE60B2U Bronze circulating pumps



Non return valves



Ball flow indicators

Hot ring

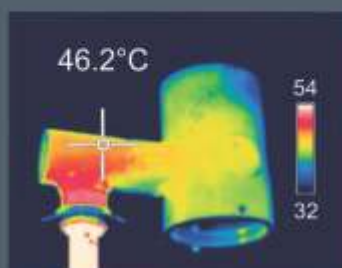
Industrial hot
water storage
vessel

Rada V12 thermostatic shower valve with enhanced technology for the healthcare industry



DZR
BRASS

Rada V12 Exposed



Safe-to-touch

Safety has been addressed with an innovative new insulation solution insutech™, which limits surface temperature to a safe level.



TMV 3 Certified

The Rada V12 is certified TMV-3 for healthcare applications.



Rada EV Heavy duty shower

The perfect solution for commercial, exposed showering and features a robust chromed metal shower rail for durability with 5 adjustable spray patterns and is supplied with a 1.25m flexible hose, clamp bracket assembly, hose retaining ring and adjustable spray handset.

Suitable for connection to surface mounted shower controls.

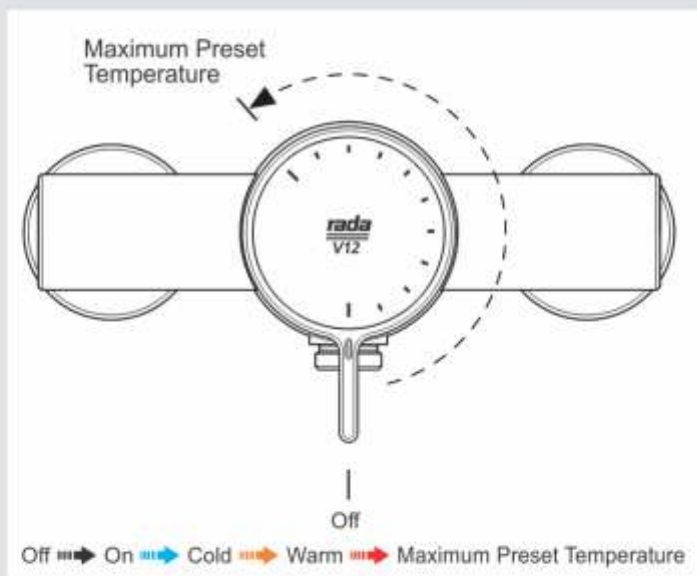
Code: RADA HD-EV-SF

Minimise **risk** and add **value** for your customer.

The Rada V12 with enhanced design such as insutech™

Safe-to-touch technology and easy access filters for effective infection control.

The Rada V12 Shower Valve is a Thermostatic Shower Control with a Single Sequential Control Lever for on/off and temperature control. The Control Lever operates anti-clockwise in the following sequence.



• Easy access filters for hygienic cleaning

Check valves included.

• Thermostatic anti-scald safety

• Robust construction

Robust construction to withstand heavy usage in commercial and medical environments.

• Easy to use sequential control lever

The Rada V12 has a light touch sequential control lever, easy to use for all ages.

The Rada V12 for **enhanced** performance and **ANTI-SCALD** safety in leisure, fitness, sport, schools, frail care and medical environments.



RADA V12 THERMOSTATIC SHOWER SPECIFICATIONS

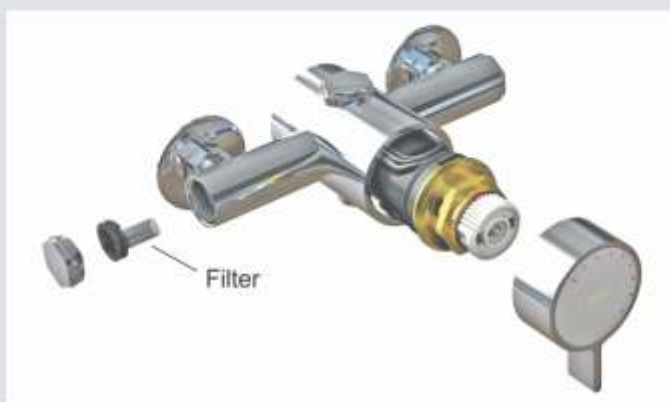


Rada V12
Exposed

Specify as: Rada V12 Exposed shower valve

Surface mounted TMV3 thermostatic shower valve featuring insutech™ technology. Sequential single lever operation from cold through to warm.

Includes thermostatic cartridge, check valves, filters and optional flow regulators.



Operating Parameters

Pressures

Maximum Static Pressure: 10 Bar.
Maximum Maintained Pressure: 5 Bar.
Minimum Maintained Pressure: 1.0 Bar.

Temperatures

Factory Pre-set (Blend) Shower: 41°C.
Optimum Thermostatic Control Range: 35°C - 45°C.
(Achieved with supplies of 15°C cold, 65°C hot and nominal equal pressures).

Recommended Hot Supply: 60°C.

Note! The Mixing Valve can operate at temperatures up to 85°C for short periods without damage. However, for safety reasons it is recommended that the maximum hot water temperature is limited to 65°C.

Minimum Differential between Hot Supply and Outlet Temperature: 10°C.

Cold Water Range: 5°C - 25°C.

Thermostatic Shut-down

For safety the Thermostat will shut off the Hot Supply Within 2 Seconds if the Cold Supply Fails.

(Achieved only if the hot supply temperature is greater than 10°C above the set blended temperature).

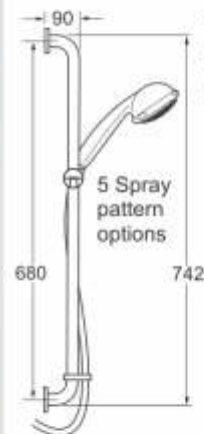
Connections

Exposed Mixer:

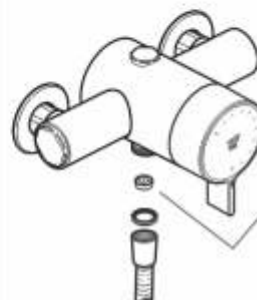
Supplied: Rear Inlets, Bottom Outlet

Inlets: 15mm Compression, Hot - Left, Cold - Right.

Outlet: 1/2" BSP Flat Face / 15mm Compression.



The Rada
EV Heavy
duty shower



NB: The flow rate is fixed by a flow regulator.

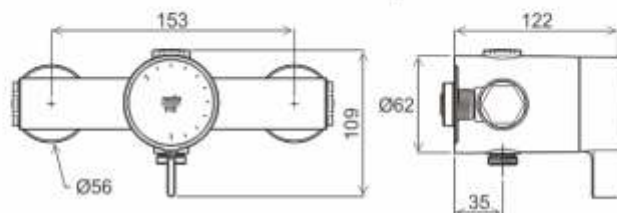


A 6 litre/minute (Black) or 9 litre/minute (Orange) flow regulator (supplied) must be fitted in the outlet connector.

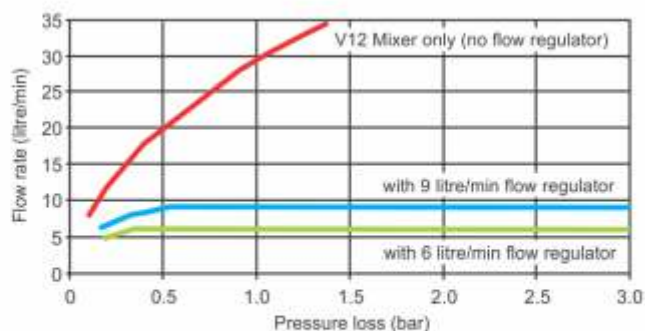
Operation

The Rada V12 is operated via a single sequential control which when rotated initially opens the valve, then increases temperature from cold to a pre-set maximum.

The Rada V12 Exposed



FLOW CHART





RADA PREMIUM THERMOSTATIC MIXING VALVES

For commercial individual and group showering,
hand washing and bathing

Anti-scald protection for the family in public ablutions



RADA 320 F
Thermostatic mixing valve



RADA 425 F
Thermostatic mixing valve



RADA MEYNELL 15/3



RADA 222 DK-LF



RADA 215 OEM

The Rada thermostatic mixing valve employs two advanced thermoscopic temperature sensors to provide blended water at safe and accurate temperatures for showering and hand basins.

RADA SAFE



ULTRA SAFE ANTI-SCALD WATER PROTECTION

Specify Rada thermostatic for complete peace of mind

RADA MEYNELL 15/3

INDIVIDUAL / GROUP - SPECIFY AS: RADA MEYNELL 15/3

RADA SAFE
ULTRA SAFE ANTI-SCALD WATER PROTECTION



Rada Meynell 15/3
in its casing



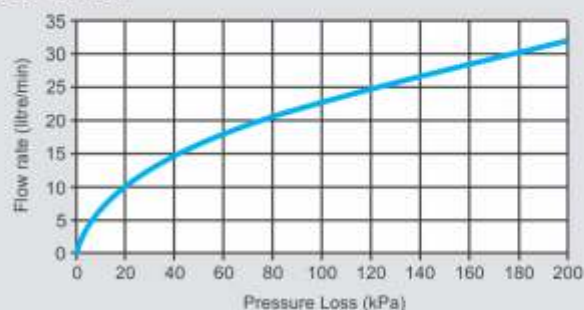
Rada Meynell 15/3
with casing removed
to show valve

**DZR
BRASS**

The Rada Meynell 15/3 thermostatic mixing valve is the perfect solution for 'under basin' type installations to provide a high level of safe anti-scald protection for hand washing and single or double showering applications. The 15/3 is housed in a plastic outer casing for tamper proof temperature adjustment.

Ideal for use with Walcro 155 showering or Walcro 420 metering tap range for enhanced safety and maximum water saving solutions.

FLOW CHART



SPECIFICATION

Rada Meynell 15/3 - 1/2" Point of use thermostatic mixing valve. Supplied complete with white plastic outer casing and integral check valves and strainers.

Connections:

Inlet & Outlet: 15mm compression

Body: DZR brass and housed in white plastic casing

Optimum thermostatic range: 35°C - 45°C

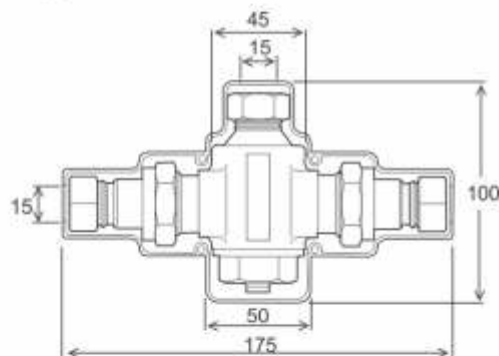
Maximum hot water inlet temp: 85°C

Maximum supply static pressure: 10 bar

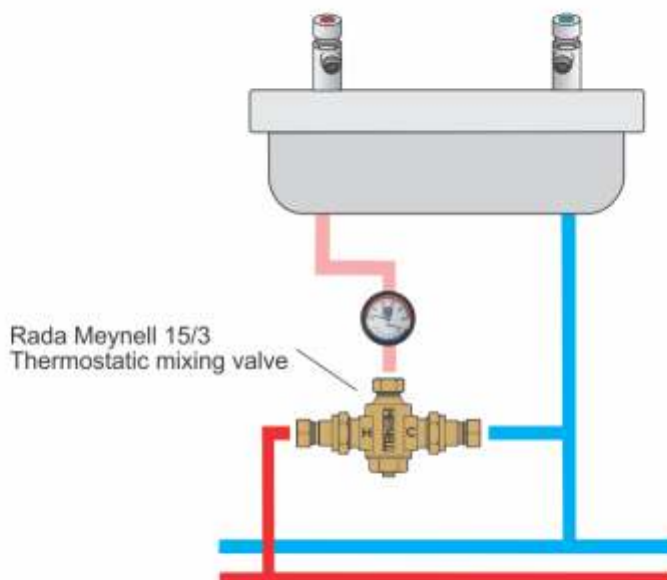
Factory pre-set max outlet temp: 42°C

Max flow rate velocity: 2 meters per second.

Integral check valves and strainers included.



Anti-scald blended water schematic



Design tip: Always aim to balance the hot and cold water supply pressures

To combat Legionella in water systems

Recommended to use individual mixing valves at outlet if possible, alternatively, for group mixing, the deadleg piping must be kept as short as possible.

RADA 215 OEM

RADA SAFE
ULTRA SAFE ANTI-SCALD WATER PROTECTION



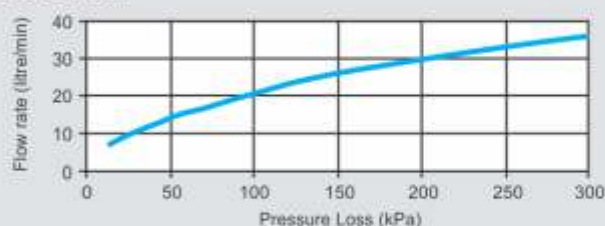
DZR
BRASS

INDIVIDUAL / GROUP - SPECIFY AS: RADA 215 OEM

The Rada 215 OEM thermostatic mixing valve with 'Radatherm' technology provides adjustable anti-scald temperature control in a duct or concealed applications for selected hand basins or single or dual showers. The pre-set maximum temperature stop ensures safe blended water delivery.

Ideal for use with Walcro 155 shower and Walcro 420 metering taps for enhanced energy and water saving.

FLOW CHART



SPECIFICATION

Rada 215 OEM - 1/2" Thermostatic mixing valve with 'Radatherm' cartridge for duct installation, including check valves and strainers.

Connections:

Inlet & Outlet: 1/2" BSP male (15mm)

Body: DZR brass chrome plated

Optimum thermostatic range: 35°C - 50°C

Maximum hot water inlet temperature: 85°C

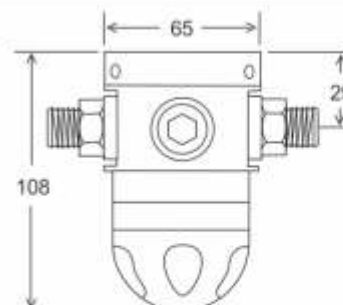
Maximum supply static pressure: 10 bar

Maximum maintained pressure: 5 bar

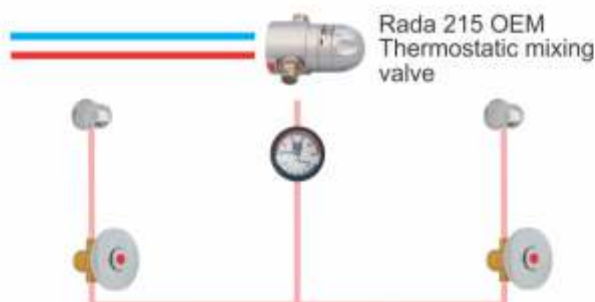
Minimum flow rate: 3 litre/min

Factory pre-set maximum outlet temperature: 41°C

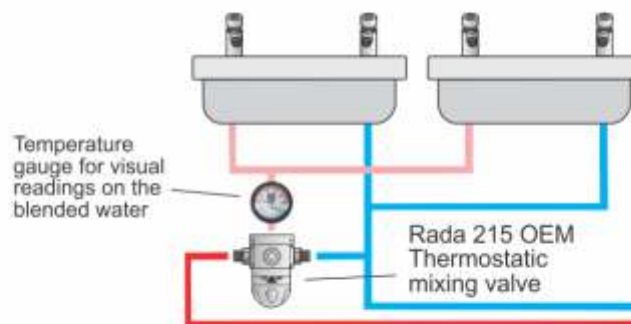
Integral check valves and strainers included.



Anti-scald blended water schematic



Anti-scald blended water schematic



Design tip: Always aim to balance the hot and cold water supply pressures

To combat Legionella in water systems

Mixing valves must be located as close as possible to the point of use or outlet fitting.

RADA 222 DK-LF

BATHING / GROUP - SPECIFY AS: RADA 222 DK-LF

RADA SAFE 
ULTRA SAFE ANTI-SCALD WATER PROTECTION

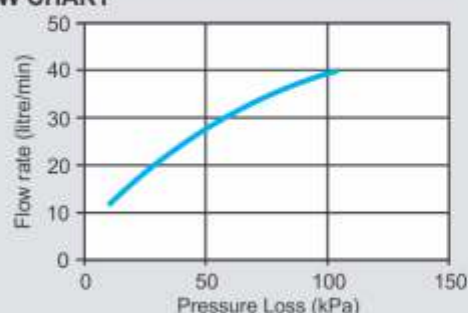


Perfect for bath fill applications

The Rada 222 DK-LF thermostatic mixing valve with 'Radatherm' technology is ideal for anti-scald bath fill, as well as small group hand basin or shower applications. The valve features a pre-set maximum temperature safety stop concealed in a locked temperature shroud to prevent unwanted tampering.

The Rada 222 DK-LF offers accurate and safe temperature control while limiting hot water usage to reduce water and power consumption bills.

FLOW CHART

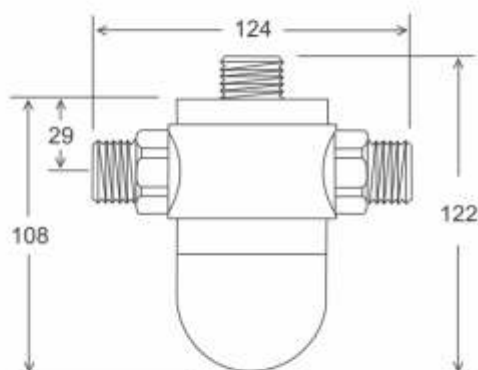


SPECIFICATION

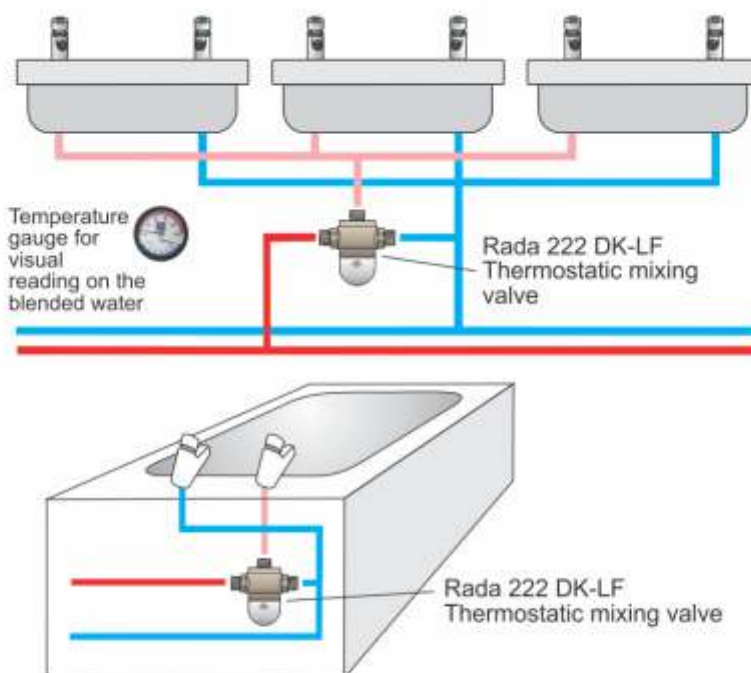
Rada 222 DK-LF - 3/4" Thermostatic mixing valve
Incorporating 'Radatherm' cartridge, complete with integral check valves and strainers.

Connections:

Inlet & Outlet: 3/4" BSP male (20mm)
Body: DZR brass chrome plated
Optimum thermostatic range: 30°C - 50°C
Maximum hot water inlet temp: 85°C
Maximum supply static pressure: 10 bar
Maximum maintained pressure: 5 bar
Minimum flow rate: 3 litre/min
Factory pre-set max outlet temp: 44°C
Max flow rate velocity: 2 meters per second
Integral check valves and strainers included.



Anti-scald blended water schematic



Flow control: Group mixing valves do not have flow control, this is provided by the ablution terminal fitting, e.g. Walcro 155 shower metering valve or Walcro 420 metering tap.

To combat Legionella in water systems

Stagnant outlets - outlets which are not used regularly should be flushed regularly as part of a maintenance programme.

RADA 320 F Thermostatic mixing valve

GROUP - SPECIFY AS: RADA 320 F

RADA SAFE 
ULTRA SAFE ANTI-SCALD WATER PROTECTION

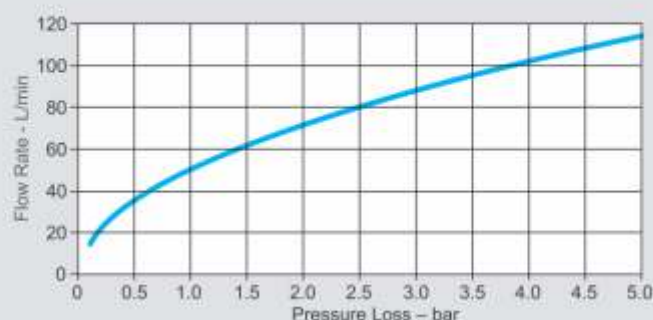


Saving water saves energy

The Rada 320 F thermostatic mixing valve employs two advanced thermoscopic temperature sensors to provide blended water at safe and accurate temperatures for showering and hand basins. The blended temperature is adjustable within a safe pre-set range for maximum anti-scald protection.

Ideal for use with Walcro 155 shower and Walcro 420 metering tap range for maximum water saving in medium group applications.

Flow Diagram

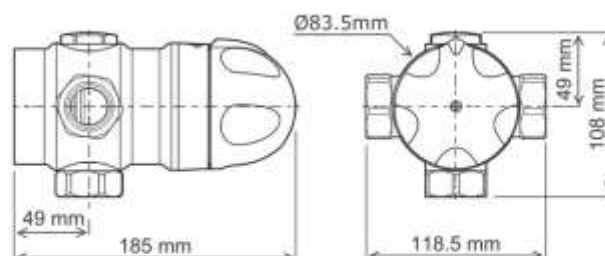


SPECIFICATION

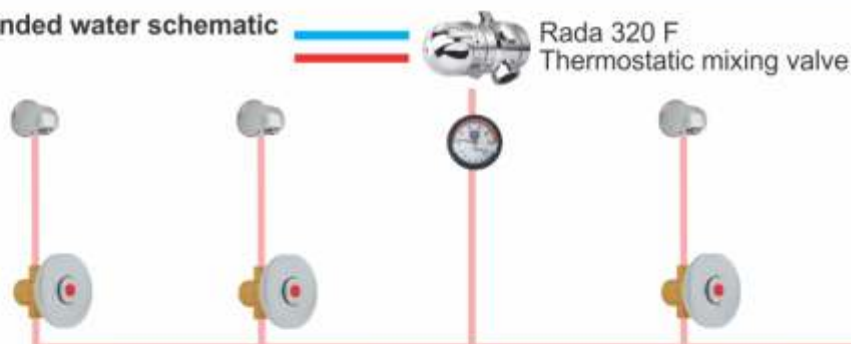
Rada 320 F - 1" Thermostatic mixing valve incorporating the patented 'Radatherm' temperature sensor. Supplied with 1" female connections.

Connections:

Inlet & Outlet: 1" BSP female (25mm)
Body: DZR brass and Low Lead requirement
Optimum thermostatic range: 35°C - 46°C
Maximum hot water inlet temperature: 70°C
Maximum supply static pressure: 10 bar
Maximum dynamic pressure: 8 bar
Minimum flow rate: 6 litre/min
Maximum flow rate velocity: 2 meters per second



Anti-scald blended water schematic



Design tip: Always aim to balance the hot and cold water supply pressures

To combat Legionella in water systems
 Hot water recommended to be stored at 60°C.

RADA 425 F Thermostatic mixing valve

GROUP - SPECIFY AS: RADA 425 F

RADA SAFE
ULTRA SAFE ANTI-SCALD WATER PROTECTION



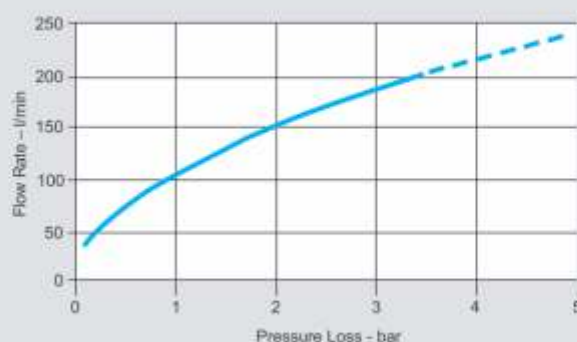
DZR
BRASS

Exceptional thermostatic control even at low flow rates
Limits hot water usage

The Rada 425 F thermostatic mixing valve with patented 'Radatherm' temperature sensor is perfect for blended water supply to group showers and hand basins. The temperature is adjustable on the valve control knob within a pre-set safe range ensuring a high level of anti-scald safety.

Ideal for use with Walcro 155 shower and Walcro 420 metering tap range for the ultimate water saving solution.

Flow Diagram



SPECIFICATION

Rada 425 F - 1" Thermostatic mixing valve incorporating the patented 'Radatherm' temperature sensor with 1" female connections.

Connections:

Inlet & Outlet: 1" BSP female (25mm)

Body: DZR - 'low lead' brass chrome plated

Optimum thermostatic range: 35°C - 46°C

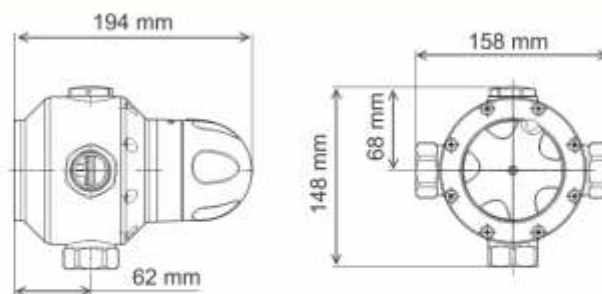
Maximum hot water inlet temperature: 85°C

Maximum supply static pressure: 10 bar

Maximum dynamic pressure: 3.5 bar

Minimum flow rate: 8 litre/min

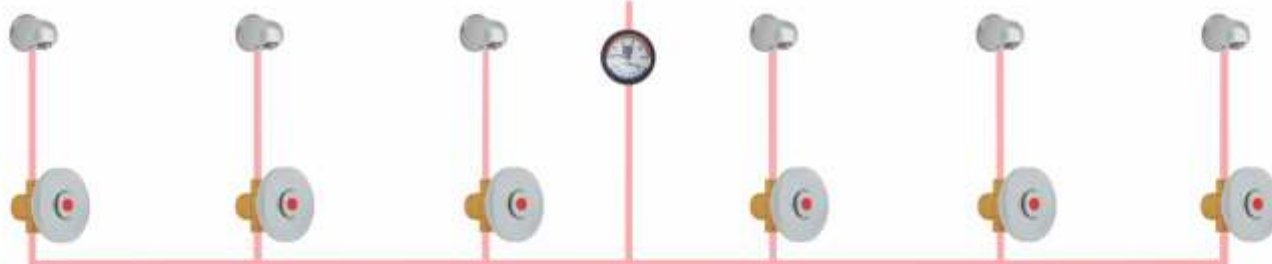
Additional check valves required - Specify Walker Crosweller 25mm check valves (2 per valve).



Anti-scald blended water schematic



Rada 425 F
Thermostatic mixing valve



Flow control: Group mixing valves do not have flow control, this is provided by the ablution terminal fitting, e.g. Walcro 155 shower metering valve or Walcro 420 metering tap.

To combat Legionella in water systems

Mixing valves must be located as close as possible to the point of use or outlet fitting.

Hot water circulating pumps


CirculatingPumps
Bronze hot water
circulating pumps

SE60B2U Bronze hot water circulating pump

Walker Crosweiler strongly recommends this bronze pump for potable water.


CirculatingPumps



5M

The Circulating Pump SE60B2U Bronze pump is ideally suited to circulate hot water from a central heating vessel around the building to various ablutions.

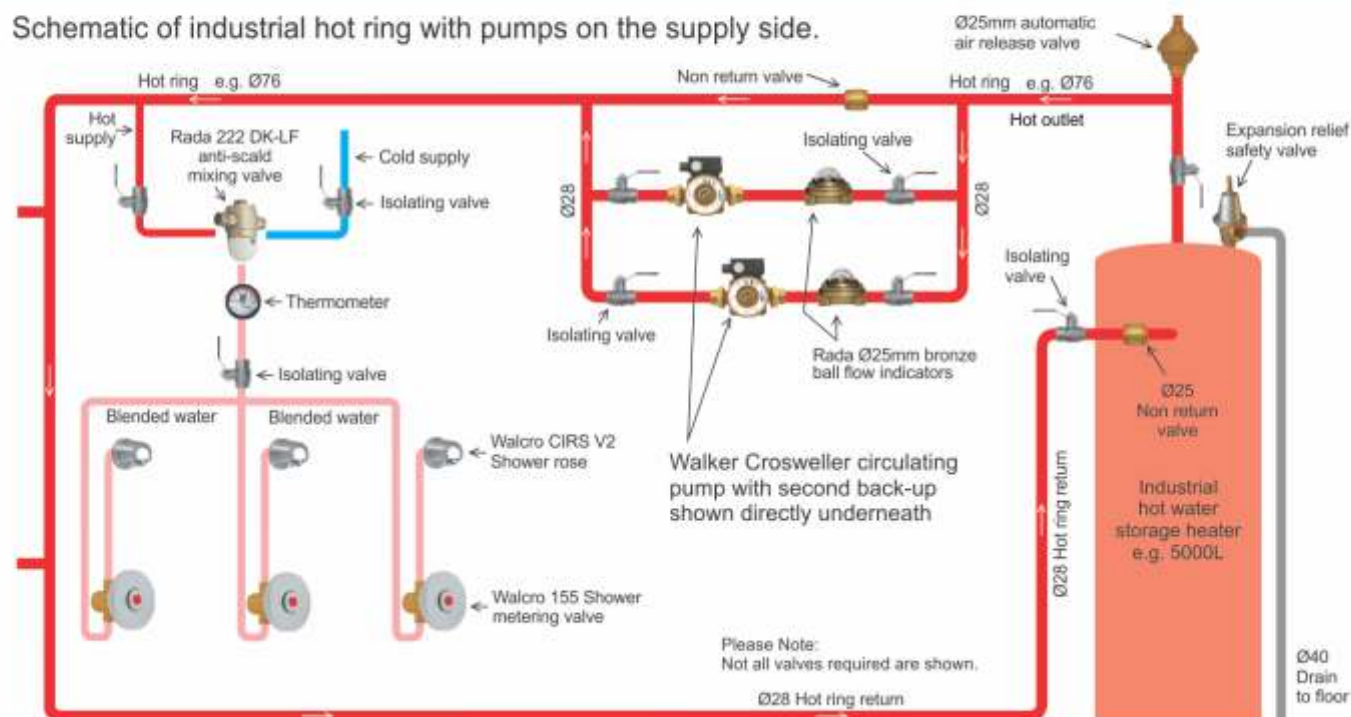
The SE60B2U reduces the dead-leg or waiting time for the hot water to arrive at the Rada mixing valve, thus enhancing comfort and saving water wastage.

The bronze material is perfect for potable water and ensures quality construction.

Specifications

Connections: 1" unions (25mm)
Maximum static pressure: 10 bar
Maximum water temperature: 85°C
Pump speed setting: 3 speed.
Protection level: IP44
Voltage: 230V - 50Hz
Watts input: Speed setting 1 = 50W,
2 = 74W, 3 = 99W
Maximum Amps: 0,43.

Schematic of industrial hot ring with pumps on the supply side.



CP60U Cast iron hot water circulating pump


CirculatingPumps



The CP60U Cast iron circulating pump is for closed heating systems.

Please see the bronze model above as your first choice.

Specifications

Connections: 1" unions (25mm)
Maximum operating pressure: 6 bar
Minimum inlet pressure at +95°C: 0.3 bar
Maximum water temperature: 95°C
Temperature class: TF 95
Protection class IP: X2D
Voltage: 230V - 50Hz
Power: 4W - 40W
Maximum Amps: 0,44A
Energy efficiency index EEI ≤ 0.23



Commercial water system management valves



Officine Rigamonti SPA (O.R.) was founded in 1950 in Valduggia, in the heart of the valve and tap district of Valsesia, Italy.

Specialising in the development and production of pressure reducing valves and products in general and reached an important milestone in 1995, with the UNI EN ISO 9011 Certification, issued by the certification authority BVQI ITALIA.



NO FLOW - All downstream fittings closed

When the tap is closed, the downstream water pressure builds up and over powers the spring and pushes the diaphragm and seat up to close the valve.

Loaded spring

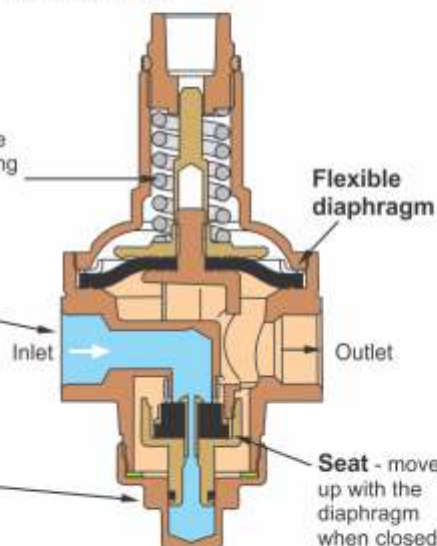
Tends to open valve (downwards force).
Adjusting the load on the spring adjusts the working pressure of the valve.

Inlet water pressure

Tends to close the valve (upward force).

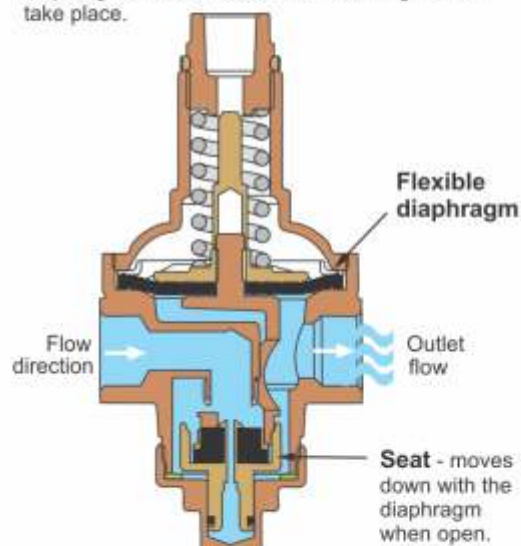
Compensation chamber

Reacts to change in incoming water pressure to maintain the preset valve.



FLOW - Occurring Downstream fittings open

When a tap is opened, the pressure, under the diaphragm, is reduced and the spring pushes the diaphragm and lower seat down allowing flow to take place.



Recommended maximum design flow velocity: 2m/sec.

Warning: High water velocity = High noise levels! It is better to select a larger size PRV and be 'less noisy'



Commercial diaphragm pressure reducing valves

Walker Crossweller O.R. Diaphragm pressure reducing valves - (PRV)

The O.R. pressure reducing range features the superior diaphragm technology and automatically reduces and stabilizes the pressure of the water supply to the ablutions. The internal flexible diaphragm provides a larger wetter area for control and reduces the amount of internal parts resulting in enhanced performance, higher flow capacity, long term durability and is less susceptible to dirt traveling in the water supply.



BRONZE
Ø100mm type 204
PRV 40 bar

Order code:
PRV HP 100 + GAUGE

SPECIFICATIONS

- Sizes: 100mm
- HP 204 PRV max inlet: 40 bar
- Max water temperature: 80°C
- Setting range: 1 to 7 bar



BRONZE
Ø80mm type 204
PRV 40 bar

Order code:
PRV HP 80 + GAUGE

SPECIFICATIONS

- Sizes: 80mm
- HP 204 PRV max inlet: 40 bar
- Max water temperature: 80°C
- Setting range: 1 to 7 bar

High pressure diaphragm 40 bar



BRASS
type 229
Ø15mm - 50mm
PRV 40 bar

SPECIFICATIONS

- Sizes: 15mm to 50mm
- High Pressure 229 PRV maximum inlet: 40 bar
- Maximum water temperature: 80°C
- Setting range: Type 229 (40 bar) = 1 to 7 bar

ORDER CODE

PRV HP 15 + GAUGE
PRV HP 20 + GAUGE
PRV HP 25 + GAUGE
PRV HP 32 + GAUGE
PRV HP 40 + GAUGE
PRV HP 50 + GAUGE

Standard pressure diaphragm 16 bar



BRASS
Ø15mm - 50mm
PRV 16 bar

Note: A higher spec model is being phased in over the next year you may receive a better valve.

SPECIFICATIONS

- Sizes: 15mm to 50mm
- Standard PRV maximum inlet: 16 bar
- Maximum water temperature: 80°C
- Setting range: 1,5 to 7 bar

ORDER CODE

PRV STD 15 + GAUGE
PRV STD 20 + GAUGE
PRV STD 25 + GAUGE
PRV STD 32 + GAUGE
PRV STD 40 + GAUGE
PRV STD 50 + GAUGE



Strainers

Walker Crossweller O.R. 249 'Y' Strainer

The O.R. 249 'Y' type strainer is recommended to be installed on all major water supply lines to separate foreign particles and dirt traveling in the water line. Further more it is good practice to install a strainer before a PRV valve.



Type 249 Bronze
Ø80mm & 100mm



Type 249 Brass
Ø15mm - 50mm

SPECIFICATIONS

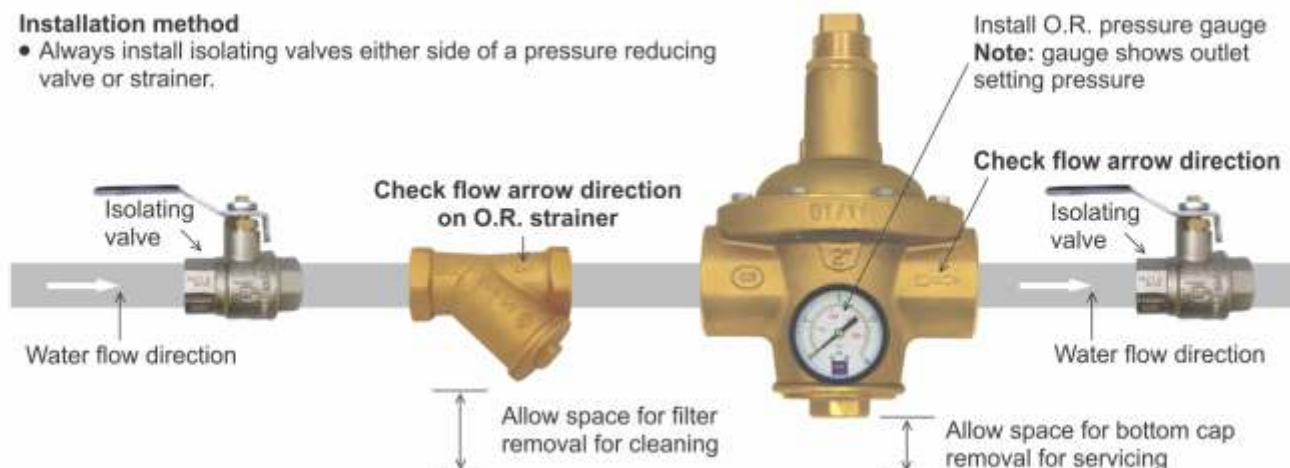
- Size: 15mm to 100mm.
- Max water temp: 95°C
- Max pressure: 15mm - 50mm = 16 bar, 80mm - 100mm = 10 bar.
- Filter: 500 microns

ORDER CODE	DESCRIPTION
WAL STR 15	15mm Strainer
WAL STR 20	20mm Strainer
WAL STR 25	25mm Strainer
WAL STR 32	32mm Strainer
WAL STR 40	40mm Strainer
WAL STR 50	50mm Strainer
WAL STR 80	80mm Strainer
WAL STR 100	100mm Strainer

Installation method for O.R. diaphragm pressure reducing valve and strainer

Installation method

- Always install isolating valves either side of a pressure reducing valve or strainer.



Walker Crossweller O.R. 295 Easy clean filter



The O.R. Arion 295 semi-automatic strainer provides enhanced filtering with a transparent cup for visual monitoring. The great easy clean feature enables the user to flush-out the dirt with a lever and spout and not interrupt the water supply.

SPECIFICATIONS

- Size: 20mm - 50mm.
- Filter Cartridge: 300 microns
- Maximum water temperature: 40°C.
- Maximum pressure: 16 bar

ORDER CODE	DESCRIPTION
WAL C-FILT 20	20mm Cartridge filter
WAL C-FILT 25	25mm Cartridge filter
WAL C-FILT 32	32mm Cartridge filter
WAL C-FILT 40	40mm Cartridge filter
WAL C-FILT 50	50mm Cartridge filter



Non-return valves and Air release valves

Walker Crosweller O.R. Non-return valves



The check valve or non-return valve is used to prevent back flow and only allows water to travel in one direction.

SPECIFICATIONS

- Type: Spring
- Sizes: 15mm - 100mm
- Maximum water temperature: 95°C
- Maximum pressure:
15mm - 25mm = 16 bar,
32mm - 50mm = 10 bar,
80mm - 100mm = 8 bar

ORDER CODE	DESCRIPTION
WAL 2150/15	15mm Non Return Valve
WAL 2150/20	20mm Non Return Valve
WAL 2150/25	25mm Non Return Valve
WAL 2150/32	32mm Non Return Valve
WAL 2150/40	40mm Non Return Valve
WAL 2150/50	50mm Non Return Valve
WAL 2150/80	80mm Non Return Valve
WAL 2150/100	100mm Non Return Valve

Walker Crosweller O.R. 498 Auto air release

The O.R. 498 'high flow capacity' automatic air release valve with a single float. Used to discharge air from the water supply line. Ideal for industrial hot water vessels and protecting pumps.



Order code: WAL A-VENT 498

SPECIFICATIONS

- Size: 25mm.
- Max working pressure: 16 bar
- Minimum accumulation: 0,5 bar
- Air ejection range: 0,5 to 16 bar
- Maximum water temp: 60°C
- Installation: Install vertically and at highest point.

Walker Crosweller O.R. 502 Auto air release

The O.R. 502 'low flow capacity' automatic air release valve is a junior version to the O.R. 498 valve adjacent and is for small scale operations to release air from the water supply line.



Order code: WAL A-VENT 15

SPECIFICATIONS

- Size: 15mm.
- Max working pressure: 10 bar
- Minimum sealing pressure: 0,2 bar
- Air ejection range: 0,5 to 7 bar
- Max water temp: 95°C
- Installation: Install vertically and at highest point.

Walker Crosweller O.R. Solar air release valve and shut-off ball valve kit



Sunshine solar specific air release valve and shut-off ball valve kit Ø15mm

SPECIFICATIONS

- Size: Ø15mm.
- Max working pressure: 10 bar
- Air vent - Minimum sealing pressure: 0.2 bar
- Range of operation air evacuation:
from 0.5 bar to 5 bar
- Maximum temperature: 180°C
- Compatible fluids:
- water
- Glycolate solutions (glycol) 50%

ORDER CODE	DESCRIPTION
WAL 439402	Size: Ø15mm (Sold as a kit - not separately)

Walker Crosweller gauges

Pressure & Temperature

Connection Ø15mm



WAL 508-001, Ø84mm type combination temperature and pressure gauge. Back entry

Temperature

Connection Ø15mm



WAL Ø80mm temperature gauge
Range: 0° - 120°C. Back entry

Gauge isolating valve - 1807



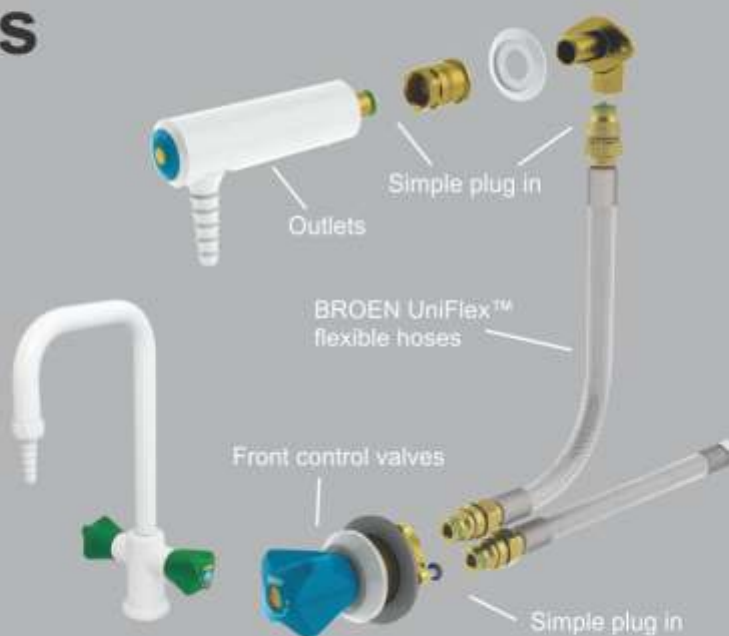
WAL 1807
Gauge isolating
valve with 1/4"
connections

UniFlex™ fittings

- Water and Special water
- Burning gas
- Non Burning 2.0 & 4.0 gas
- Vacuum
- Front control valves & outlets
- Cleanline fittings for 5.0 and 6.0 gases



More... safe, efficient, intelligent, flexible, plug and play, simplicity and custom systems



Plumbing merchant range for basic laboratory projects i.e. schools

Bench mounted water fitting with swivel spout

BROEN: 2534 005 1001-14

Spout: Full swivel action
Headwork: Rubber, 2 x 360°
Temperature range: 0-65°C
Maximum working pressure: 10 bar

Media: Potable water, cold



Two handle bench mounted one hole mixer water fitting with swivel spout

BROEN: 2536 039 1039-52E

Spout: Full swivel action
Headwork: Rubber, 2 x 360°
Temperature range: 0-65°C
Maximum working pressure: 10 bar

Media: Potable water, cold / hot



Lift / Turn valves for burning gases - ideal for schools

Single "Lift / Turn" valve bench mounted fitting for burning gases

LPG: 2520 317 1012-14

Max. working pressure: 7 bar

Media: LPG



Two-way (90°) "Lift / Turn" valve bench mounted fitting for burning gases

LPG: 2520 318 1012-14

Max. working pressure: 7 bar

Media: LPG



Installer must be qualified for gas
Please contact us for further assistance and advice before ordering

BROEN-LAB

Laboratory solutions

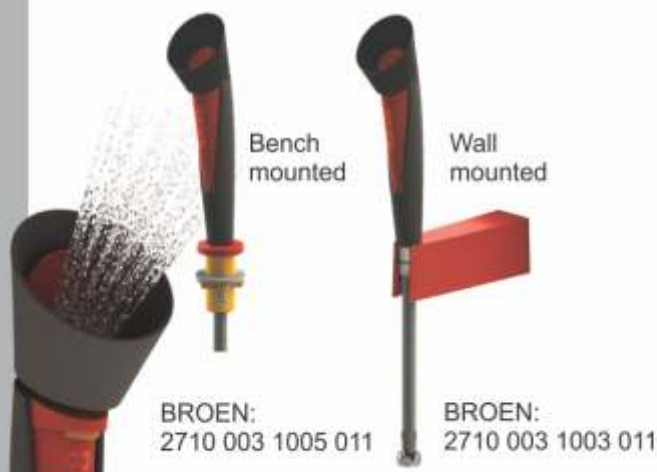
Plumbing merchant range

High quality Emergency Shower Systems and Eye Wash Systems with chemical resistant BROEN-LAB Polycoat for laboratories and industrial sectors.

Emergency hand-held eye showers

Minimum working pressure 1.5 bar. Supplied with 1.5m inlet hose with 1/2" union nut

Eye shower with single 45° head, FlowFix 7 Litre/Min.



Eye shower with two 45° heads, FlowFix 14 Litre/Min.



Emergency eye and body showers

Body shower

Wall mounted



BROEN: 17 581 709

In brass with self-draining head.

Minimum pressure: 1 bar

Body shower

Ceiling mounted



BROEN: 17 580 709

In brass with self-draining head.

Minimum pressure: 1 bar

Body & Eye shower

Free standing



BROEN: 17 546 009

In brass with stainless steel bowl. Female inlet 3/4" top.

Eye wash bowl FlowFix: 14 Litre/Min.

Minimum pressure: 1.5 bar

Eye shower

Wall mounted



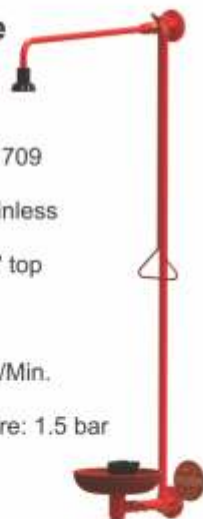
BROEN: 17 533 709

In brass with stainless steel bowl for concealed pipe work. FlowFix: 14 Litre/Min.

Minimum pressure: 1.5 bar

Body & Eye shower

Wall mounted



BROEN: 17 552 709

In brass with stainless steel bowl. Female inlet 3/4" top or bottom.

Eye wash bowl FlowFix: 14 Litre/Min.

Minimum pressure: 1.5 bar

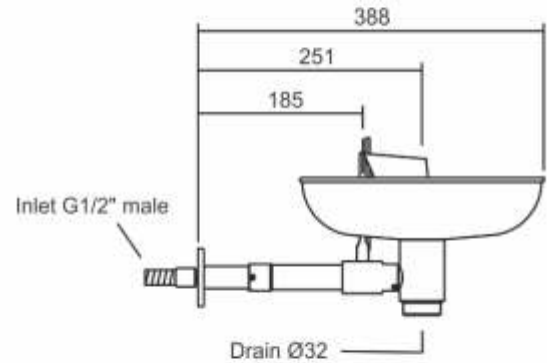
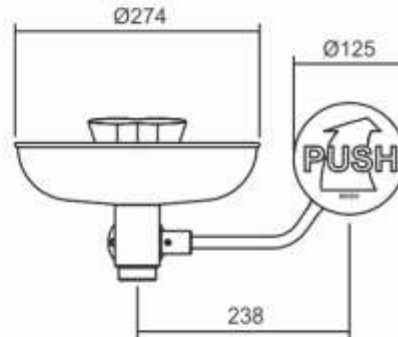
Note: Disability friendly model available on request.

DIMENSIONS:

Eye shower

Wall mounted for concealed piping

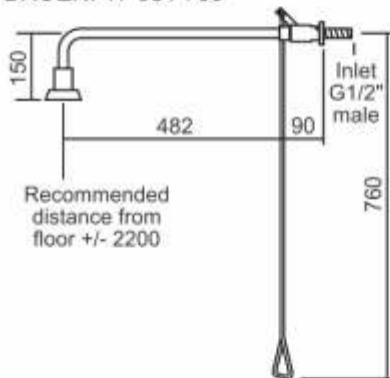
BROEN: 17 533 709



Body shower

Wall mounted

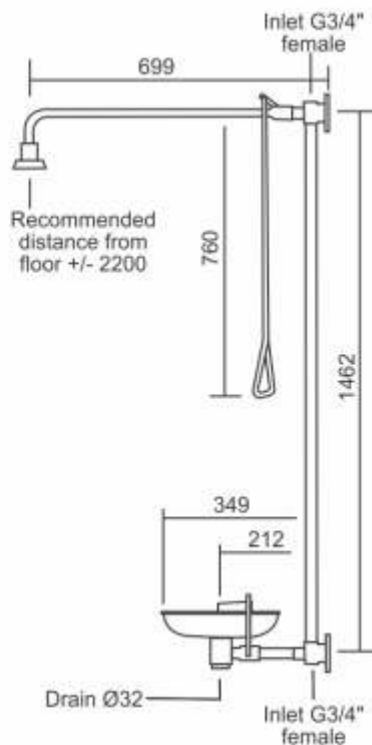
BROEN: 17 581 709



Body and Eye shower

Wall mounted

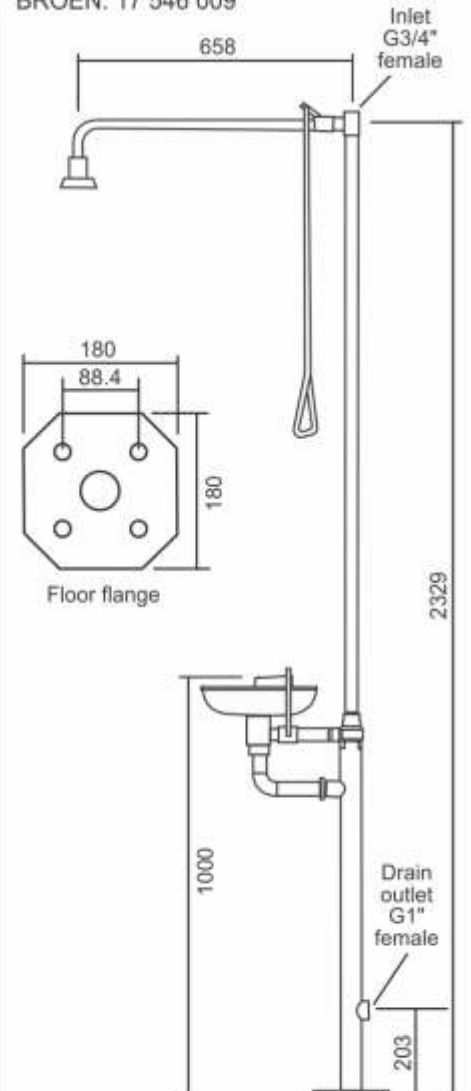
BROEN: 17 552 709



Body & Eye shower

Free standing

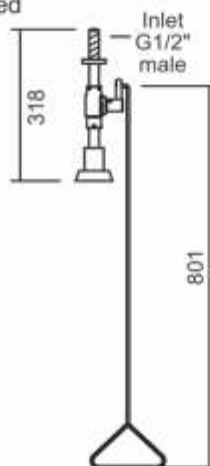
BROEN: 17 546 009



Body shower

Ceiling mounted

BROEN:
17 580 709





Lift/Turn valves for burning gases



Fittings for burning gases



Fittings for non-burning 2.0 gases/vacuum



Fittings for non-burning 4.0 gases/oxygen



Fittings for special water



Fittings for water



Front control valves and outlets



Emergency shower systems



Polypropylene sinks and bottle traps

Let us guide you to the appropriate solution

Media:
e.g. Water, LPG, Compressed air.

Fitting type:
Bench, wall or front control.

Installation type:
Flexible or fixed.

Lab type:
Basic school or professional laboratory.

Phone us on 011 793 1031 for us to advise on stock in South Africa and what's imported on order.

walker Croswell

Commercial water saving ablution valve specialists since 1967



Our full range of products are available from a wide range of plumbing retailers throughout South Africa.





















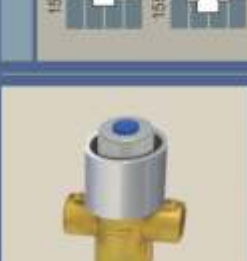


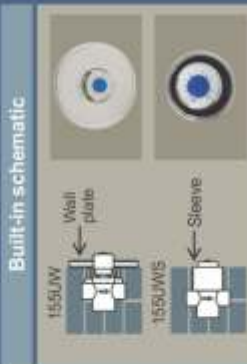




Should you require any assistance, please do not hesitate to contact us directly. Plumbers are welcome to contact us for product specifications and / or technical assistance and will be referred to their nearest plumbing retailer to purchase.

The next four pages contain product and spare part identification charts for current products

Product and spare part identification chart for current products

walker Croswell

EXPERTS IN SOUTH AFRICA FOR WATER SAVING SYSTEMS FOR COMMERCIAL ABLUTIONS

Walcro Metering pillar taps Ø15mm			
 Walcro 420	 COMPLETE CARTRIDGE S/WAL 420100  SERVICE CARTRIDGE	 SPARES ONLY REFER TO WALCRO 420	 COMPLETE CARTRIDGE S/WAL 220100  SERVICE CARTRIDGE
 Walcro 100R	 COMPLETE CARTRIDGE S/WAL 100R02  SERVICE CARTRIDGE	 Walcro 100RH	 COMPLETE CARTRIDGE S/WAL 100RH03
Walcro Metering bib taps Ø15mm			
 Walcro 101R	 COMPLETE CARTRIDGE S/WAL 100R02  SERVICE CARTRIDGE	 MAXIMUM PRESSURE 5 BAR Walcro 155K	
 Walcro SSP/15 Spout		 Walcro 100RH SERVICE SPANNER	
Walcro Basin metering valves Ø15mm - built-in			
 Walcro 155UW	 COMPLETE CARTRIDGE S/WAL 155100  SERVICE CARTRIDGE	 Walcro 155UWS	 COMPLETE CARTRIDGE S/WAL 155K02  SERVICE CARTRIDGE
 Built-in schematic			
 Walcro 155UW wall spout Ø15mm			
 Walcro 155UWS wall spout Ø15mm			
 Walcro BBD/15			
 Walcro BBD/65			

Edition 7

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