

WATER SAVING



CATALOGUE 2024

 Represents Quality and Reliable Products

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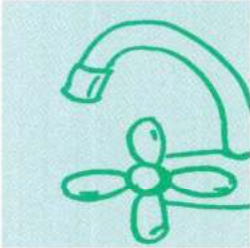

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The data given in this leaflet are offered in good faith. We reserve the right to carry out any modification.





Water-saving products from RST pay for themselves in no time:
(Sample invoice for a typical water consumer, in €)

	 Shower <i>Novolence®-Dusche</i>	 Tap <i>Aerator Long-Life</i>	 WC flush <i>WasserStop</i>	Total
Daily use per person, approx.	3 min.	2 1/2 min.	4 times	
à	20 litres	15 litres	9 litres	
Daily water use, approx.	60 litres	37,5 litres	36 litres	133,5 litres
Yearly use (333 days), approx.	20 m ³	12,4 m ³	12 m ³	44,4 m ³
Yearly energy consumption*, approx.	600 kWh	370 kWh	0 kWh	970 kWh
Costs** for water and energy, approx.	145,00 €	90,00 €	37,00 €	272,00 €
Savings with RST water-savers, approx.	50 %	40 %	50 %	
Yearly water and energy savings	72,50 €	36,00 €	18,50 €	127,00 €
Prices for RST water-savers	15,00 €	5,00 €	7,50 €	27,50 €

* For heating 1m³ water to 37°C used about 30 kWh energy.
** Water and energy prices vary widely between regions.
Calculation bases on 3.06 euros per m³ water (including waste water) and 0.14 euros per kWh energy.

We will gladly prepare a **detailed water-conservation prognosis** for your hospital, retirement home or other application.

This brochure shows **a selection of our products and sales programs**. If you have other product requirements or would like to receive current information on our entire product range, please phone us or visit us on the Internet.



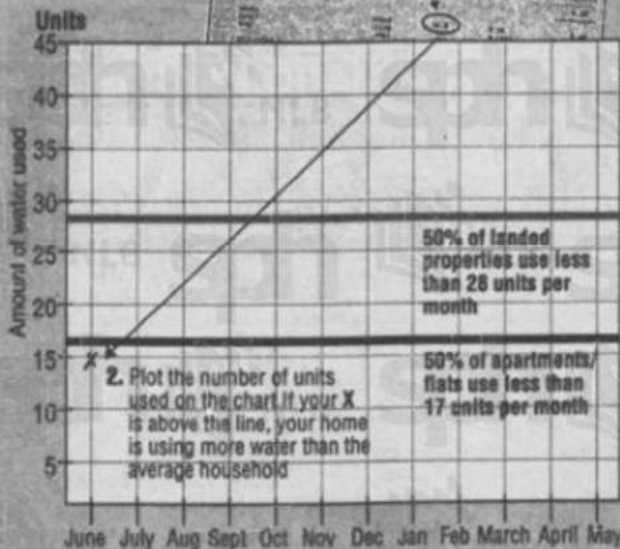
HOME

Save Water Campaign

Do you waste water?

The PUB's water-usage monitoring chart helps you find out

1. Check your bill to find out your household's water consumption for the month



Timegraphics

Source: PUB

Aerator saves water and money for hotels, country club, hospital

SEVERAL hotels, a country club and a hospital have reported savings on their water bills because of a device fitted to their taps and shower heads.

The RST Water Saver Aerator, which costs between \$18 and \$20 each, cuts water flow by up to 75 per cent, said its sole agent in Asia, Wavin International.

The device injects air into the water as it comes out of the tap, so that although less water is flowing than usual, the user does not feel it, said its spokesman, Ms Constance Lau.

Ms Althea Leong, a spokesman for the 312-room Holiday Inn Park View, said it spent about \$6,000 to fit the device to its taps last November. The hotel has saved as much as \$3,000 a month since then.

Singapore General Hospital said although they cut water flow by about 40 per cent, it was still too early to tell if there were savings, as it fitted 600 aerators about three months ago.

The device comes in two sizes and has a range of four water-flow volumes. It works on the same principle as the thimble, which is used in taps to cut water flow by up to 50 per cent.

Last year, the Public Utilities Board sent all households here three thimbles each in an effort to save water.

Another aerator user, the Orchid Country Club, said its water bill has dipped since it installed the device on about 100 taps in its guest-rooms and golf changing rooms in January. But the club declined to give a figure.

Some households have also



The water-saving aerator (top), which is fitted onto the tap (above), cuts down water flow by up to 75 per cent, said its sole agent Wavin International.

fitted the device on their taps.

Mr Danny Lim, 34, a plumber who has it on three taps in his four-room flat, said his water bill shrank from \$16 a month to about \$12. "I like it because the water does not splash so much, due to the smaller volume of water and the air bubbles."



Tips

- 1 Use an efficient solvent to remove stains instead of using large amounts of water to wash them off.
- 2 Sweep the floor before mopping it. More dirt means more cleaning.
- 3 Use newspapers to clean glass windows instead of washing them with water.

Timegraphics



WATER SAVER AERATOR



WA Represents Quality and Reliable Products

At **low cost** a great deal of energy and water can be saved at the wash basin, without the need to accept lower levels of comfort and efficiency. For example, it makes real sense to convert water taps with aerator aerators from RST because in addition to a **fast payback time**, the outstanding features of the "Long-Life" aerator are its **excellent water stream, durability and ease of maintenance**.

Aerator "Long-Life"



... THE ECONOMIC, PLEASANT TO USE AERATOR

- fast payback time
- full, aerated water stream
- durability
- low levels of scaling
- easy to maintain

A pressure sensitive membrane and the patented, characteristic large gauge filter make the "Long-Life" aerator a unique product. The membrane reduces the water flow according to the pressure. In the downstream jet separator the water is accelerated to a high speed and this sucks in significantly more air in comparison with conventional aerators. This air makes the water jet noticeably softer and more even and thus more acceptable in use.

The water stream from the "Long-Life" aerator looks no different compared with that from normal aerators despite the high levels of water saving. The "Long-Life" aerator, according to the model used, saves 40% to 60% of water and energy in comparison with conventional aerators. With daily use, the purchase costs of the "Long-Life" aerator are repaid after just a few weeks through the water and energy saved.







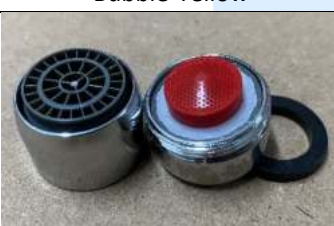





The special design of the "Long-Life" aerator means that it is self-cleaning and cannot become blocked. Dirt particles which pass through the fine mesh stainless steel inlet filter are inevitably expelled through the downstream coarse mesh filters. Because the system focuses the water stream at the centre, deposits of larger particles, which cannot pass through the inlet filter, cannot adversely affect the emitted water stream.

An unmistakable feature of the "Long-Life" aerator is the lens-shaped, stainless steel exit filter. With conventional aerators water residues remain trapped in the fine mesh filters after the tap has been turned off and when they evaporate this quickly leads to scale deposits. The patented arrangement of the large filters in the "Long-Life" aerator allows the residual water to escape more easily and quickly. This has clear advantages with regard to scale deposits and hygiene. Even when, under extreme conditions, scale deposits build up on the outlet filter, they can be easily removed with a wire brush. This will not damage the robust outlet filter.



PSB Singapore

Water Saver Aerator

Item Code	Stream Type	Description
 Spray-Green	 Spray	'Wa' F22mm x 2 Litres/min OR 'Wa' M24mm x 2 Litres/min - Good dispersion at low flow rates. - Non-splashing & non-aerated
 Spray-White	 Spray	'Wa' F22mm x 3 Litres/min OR 'Wa' M24mm x 3 Litres/min - Good dispersion at low flow rates. - Non-splashing & non-aerated
 Bubble-Yellow	 Aerated	'Wa' F22mm x 4 Litres/min OR 'Wa' M24mm x 4 Litres/min - Improved lime scale protection - Integrated anti-clogging screen filter
 Star-Red	 Aerated	'Wa' F22mm x 5-6 Litres/min OR 'Wa' M24mm x 5-6 Litres/min - Optimal lime scale protection - Integrated anti-clogging screen filter
 Star-Green	 Aerated	'Wa' F22mm x 7-8 Litres/min OR 'Wa' M24mm x 7-8 Litres/min - Optimal lime scale protection - Integrated anti-clogging screen filter
 Star-Blue	 Aerated	'Wa' F22mm x 9 Litres/min OR 'Wa' M24mm x 9 Litres/min - Optimal lime scale protection - Integrated anti-clogging screen filter

Test Method:

BS EN 246 : 2003 – General specifications for flowrate regulators.

PUB requirements for Constant Flowrate Regulator









WASHBASIN



HYGIENIC HAND WASHING STARTS AT THE TAP

Recommendations for healthcare facilities

Hospitals and medical facilities should use aerators in their taps to prevent unnecessary splashing of water and thus the spread of bacteria. The aerators should be replaced regularly.

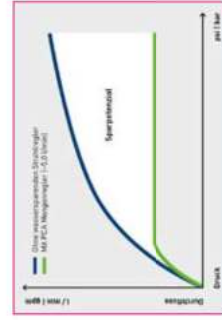
We offer a range specially developed for these requirements.



1. 1. No splashes – No germs

We recommend the use of laminar aerators.

The jet pattern is crystal clear, appears pure and natural. As no air is sucked in, the formation of contaminated aerosols can be virtually interrupted.



2. Saves water & energy without loss of quality

Aerators are equipped with an integrated flow regulator. With the help of the pressure-compensating O-ring, a constant flow is achieved despite possible pressure fluctuations. This means that up to 60% **water & energy** can be **saved** for the production of hot water. Use of verified material according to KTW-BWGL.

QUICK AND EASY REPLACEMENT

The Clinic Snap is a hygienic aerator with a four-colour concept, specially developed for healthcare facilities, whose particular advantage is its simple and quick replacement.



Replacing the aerator

becomes child's play thanks to the special adapter - without tools and with just one click.



Hygienic

Due to its design, the Clinic Snap does not suck in air, which creates a clear laminar jet, resulting in less splashing and aerosol formation.

Four-colour concept

This four-colour concept supports the regular replacement of the aerator, with each colour symbolising a replacement cycle. In this way, it is immediately recognisable and verifiable whether the replacement is and regularly. The replacement interval must be determined by the hygiene device individually. Also available in grey as a neutral variant.



Save water & energy

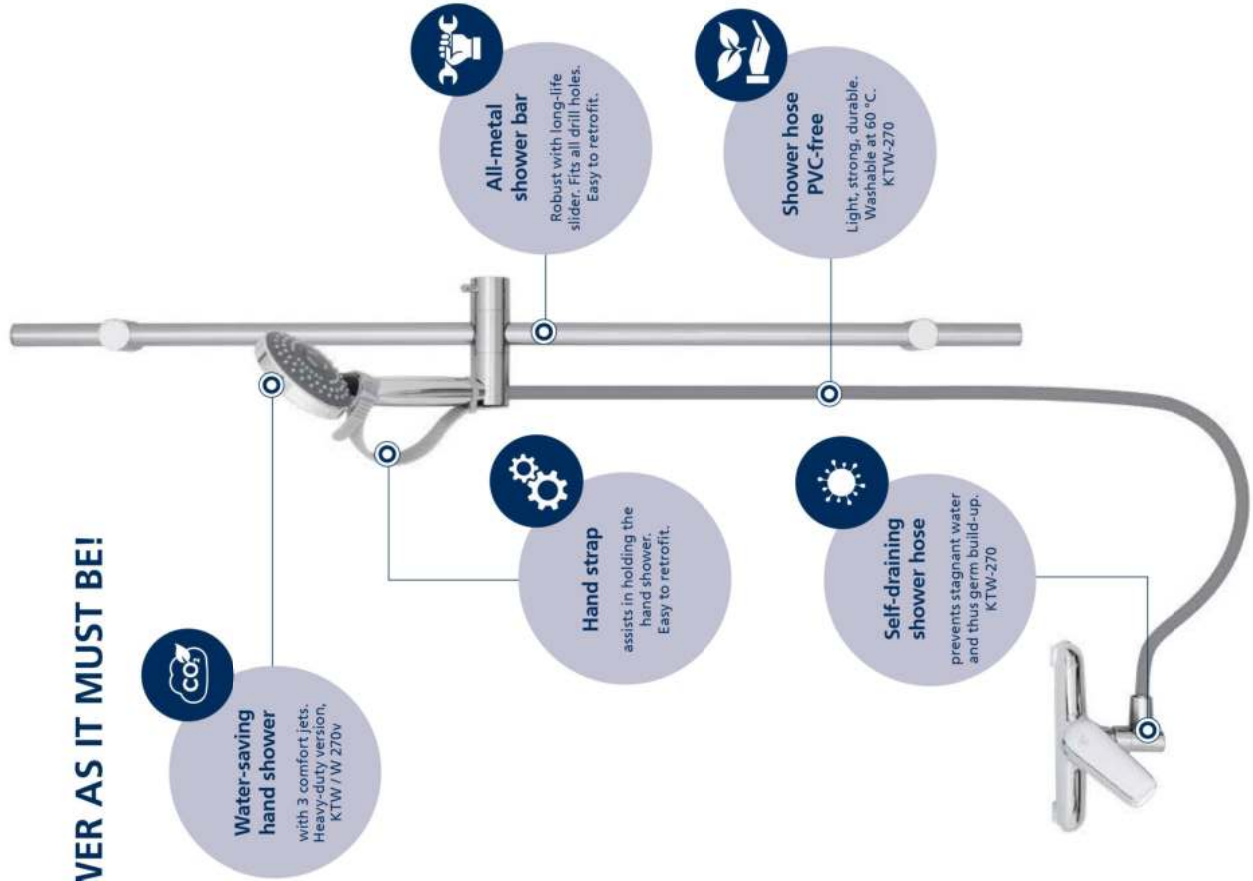
The aerator has an integrated flow limiter that ensures that a limited amount of water of approx. 7.5 - 9.0 l/min flows out of the tap at a pressure of 3 bar.

In addition, this minimises contamination by water splashes. Use of verified material according to KTW-BWGL.



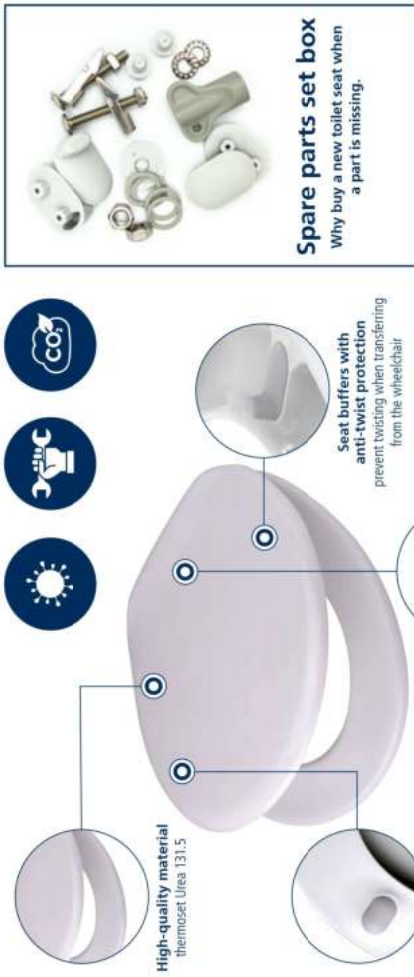
SHOWER

SHOWER AS IT MUST BE!



WC

WC SEAT WITH HIGH COMFORT



Shower toilet seat with fresh water connection - Made in Germany

Shower toilet seat with fresh water connection, easily removable with soft-closing mechanism and bidet function. 4 point „Easy clean support“, universal fit, made of light-fast, scratch-resistant and glow-resistant Duroplast. EN 1717 approved!



A hygienic refreshment for a clean and pleasant toilet experience.

HYGIENE PLUS BIDET SEAT COVER



Upgrade your bathroom experience with the Hygiene Plus Bidet Toilet Seat Cover, a revolutionary device that combines modern design with advanced functionality. Say goodbye to traditional methods of personal hygiene and embrace a new level of cleanliness and comfort.

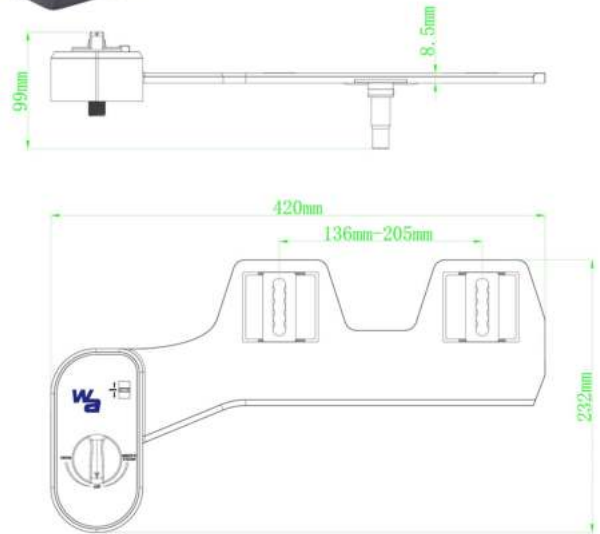
Immerse Yourself in Unmatched Cleanliness: The Hygiene Plus Bidet Toilet Seat Cover offers a host of features to enhance your personal hygiene routine:

1. **Posterior Wash**
 - Nozzle sprays a stream of warm water from its tip washing the posterior automatically.
 - Feel incredibly gentle and comfortable as it cleans the posterior.
2. **Feminine Wash**
 - Extendable and rotatable nozzle extends and washes women's parts.
 - Comfortable and preserves cleanliness during urination, menstruation, antenatal postpartum or when sweaty.
3. **Massage Wash**
 - Adjustable water temperature and pressure to provide a gentle, thorough and stimulation wash.
 - A massage effect which works as a suitable stimulus for improving the blood circulation or hemorrhoids.
4. **Automatic Cleanse**
 - Before and after each use, the nozzle can be washed with a simple turn of a knob on the control.
5. **Anti-fungus Material**
 - Nozzle is made of ABS material and thus keeps away from fungus.

Characteristics of Hygiene Plus Bidet Seat Cover:

- | | |
|------------------------|----------------------------|
| 1. User-Friendly | 2. No electricity required |
| 3. Space-saving Design | 4. Easy Maintenance |
| 5. Affordable | 6. Safe and Reliable |

HYGIENE BIDET ATTACHMENT

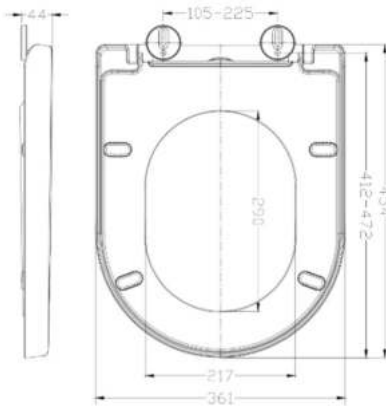


Hygiene Bidet Attachment has **five major functions** which benefit end-user(s):

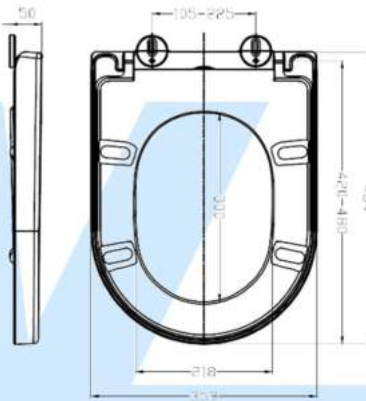
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Characteristics of Hygiene Bidet Attachment:

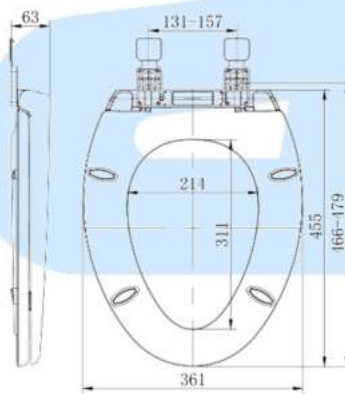
- | | |
|--------------------|-----------------------------------|
| 1. User-Friendly | 2. Easy to install and dismantle |
| 3. Multi-Functions | 4. Available for different places |
| 5. Affordable | 6. Safe and Reliable |



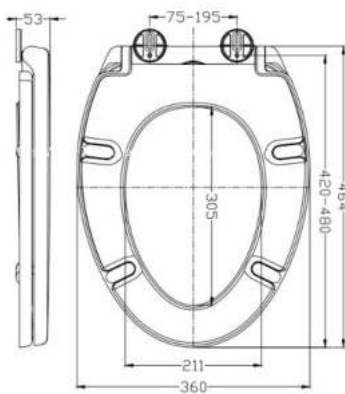
Type:	Standard
Shape:	D-Shape
Material:	PP
Features:	Soft-Close Adjustable Hinge



Type:	Standard
Shape:	D-Shape
Material:	UF (Heavy-Duty)
Features:	Soft-Close Adjustable Hinge



Type:	American
Shape:	Elongated
Material:	PP
Features:	Soft-Close Adjustable Hinge *Option: Child-seat



Type:	American
Shape:	Elongated
Material:	UF (Heavy-Duty)
Features:	Soft-Close Adjustable Hinge

Rückflussverhinderer | *Backflow Preventer*





NovoSix water-saving hand shower

with **iso**flow

- **G 1/2 connection - fits any usual shower hose**
- **6 different spray patterns for an individual shower**
- **Fast pay-off**
- **Reduced limescale**

The NovoSix shower head is a water-saving, multi-functional shower head with six different water jet types. Every user will find his individual jet form, in spite of the comparatively high water-saving qualities. The repertoire reaches from strong and massaging to soft and relaxing.

Its robust construction, the choice of top-quality materials and best possible limescale protection make the »Novosix Shower Head« the ideal solution for the sophisticated professional sector. The flow rate is limited by the integrated flow rate controller which functions independently of the water pressure and reduces the flow rate to 10 litres per minute.



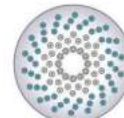
*Enjoy
watersaving.*



Hail storm



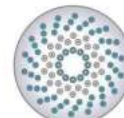
Downpour



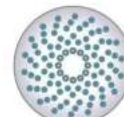
Shower



Monsoon rain



Tropical rain



Steady rain

NovoSix water-saving hand shower

Dimensions:



Models:

model	item	flow volume
2515	NovoSix, chromed	10l/min
2525	NovoSix, chromed	8l/min



What is *isoflow*?

isoflow has an unique, patented design. The O-ring is not exposed to the water but is protected by the two adjusting elements, which provide for the variable opening. Thus it combines precise flow rate control with low noise and long service life.

Spray pattern:



Technical specifications:

scope of delivery	1x gasket 19 x 13 x 2 mm EPDM 1x gasket 18,5 x 12 x 1,5 mm fiber composite
Tests & Standards	complies with the requirements of TrinkwV
guarantee	2 years

DIN EN ISO 9001 certified by





Novolence® water-saving hand shower

- **Strong turbulence water jet**
- **G1/2 connection - fits any usual shower hose**
- **Punched disc protects against limescale**
- **Saves up to 65% water and energy**
- **No maintenance necessary**

The Novolence® shower head ensures a maximum of comfort and a minimum of water consumption while having a shower. The innovative, patented 3-hole-nozzle made it possible to achieve a completely new level of performance regarding shower comfort and water jet characteristics.

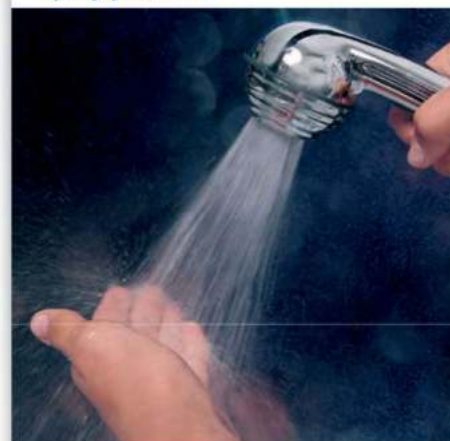
The Novolence® shower head has three accurately calculated orifice outlets. That makes the »Novolence Shower Head« insensitive against limescale and blockage. This construction ensures that the water jet is mixed with much oxygen, also at low pressure, and makes the jet very comfortable and smooth so that the user will not recognize a difference to an ordinary shower head.

Moreover, flow rate and shower pattern can be adjusted according to your personal preference by changing the turbulence and punched disc (2, 3, 4 or 12 holes as required).



*Enjoy
watersaving.*

Spray pattern:



Novolence® water-saving hand shower

Dimensions:



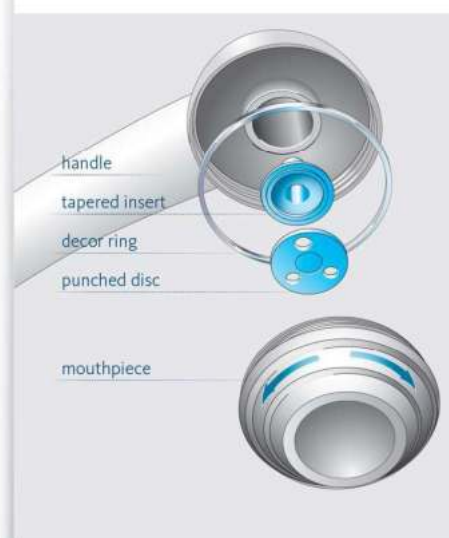
Flow volume:

The Novolence® shower head is available in different versions concerning the flow volume. The water jet and flow volume are influenced by varying the punched disc and turbulence insert.

model	tapered insert	disc (number of holes)	flow volume
201x	big	3	12 l/min
202x	small	3	7,8 l/min
203x	big	12	11,6 l/min
204x	small	2	6,6 l/min
206x	big	4	9,5 l/min

Spare parts:

model	item
T652	tapered insert 4,8 mm
T653	tapered insert 3,6 mm
T654	punched disc 3-hole 2,9 mm
T655	punched disc 12-hole 1,5 mm
T657	punched disc 2-hole 2,5 mm
T695	decor ring anthrazit (RAL 7016)
T658	punched disc 4-hole 2,0 mm
T691	decor ring blue (RAL 5017)
T692	decor ring grey (RAL 7037)
T694	decor ring green (RAL 6024)
T690	decor ring red (RAL 3020)



Colors:

The Novolence® shower head is available in white (RAL 9010) and chrome. On minimum orders of 5,000 pcs. the Novolence® shower head can be delivered in other RAL colors, matt chrome and matt gold.

Number "x" in the left-hand list must be replaced by one of the numbers below, which each stand for a color.

x = 0 = white
x = 5 = chrome-plated

Technical specifications:

scope of delivery	1x gasket 19 x 13 x 2 mm EPDM 1x gasket 18,5 x 12 x 1,5 mm fiber composite
tests & standards	complies with the requirements of TrinkwV
materials	handle, mouthpiece: ABS, (optionally chrome-plated) tapered insert, punched disc: POM
total length	approx. 210 mm
weight	white: approx. 125g chrome: approx. 131g
guarantee	2 years



Enjoy
saving water.



Profilence VP



Profilence Fix

Profilence[®] VP & Fix RST - Water saving showering solutions

with **isoflow**

- **Turbulence-technology for high quality, invigorating showers**
- **Vandal resistant**
- **Constant volume flow beyond a given water pressure**
- **Reduced lime-scale build up**
- **Easy maintenance**

The Profilence[®] range of water saving shower heads are specifically designed for wall mounted showers that enables, by means of a patented turbulent flow system, the greatest possible water and energy savings combined with the maximum comfort when showering.

The Profilence[®] VP is provided with a ball-joint which enables the shower head to pivot around an angle of 26 degrees. The Profilence[®] Fix comes without a ball-joint so that it cannot be manipulated and is ideal for use in areas with a high risk of vandalism. Both shower heads can be used with the Bow mammut concealed shower arm and concealing plate.

Its turbulent flow system, which divides the stream of water up into multiple high-pressure droplets, provides several advantages including helping to prevent the build up of lime-scale.

The patented isoflow[®] flow rate control technology keeps the water flow constant independent of water pressure once the limit is reached. Water flow can be maintained at 10 l/min, 8 l/min or 7 l/min depending on desired volume usage.

Easy installation:

The special tool provided must be used for installing and removing the showerhead as well as for opening it for maintenance. This provides defence from theft and vandalism.

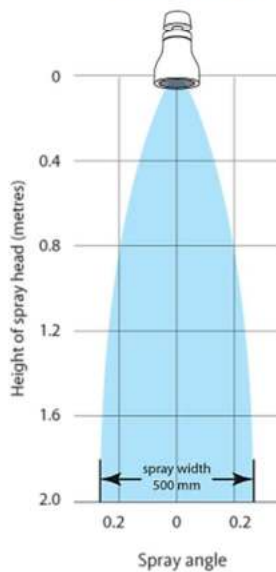
What is isoflow?

isoflow is a unique, patented design that protects the O-ring from the water and ensures water flow is precisely controlled whilst having a long service life.

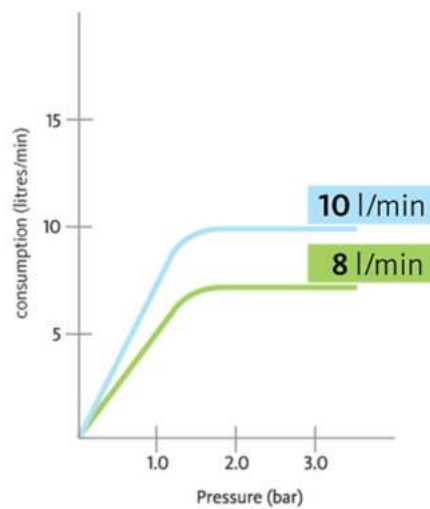


Profience® VP & Fix Water saving shower head

Graph 1 Spray pattern at a pressure of 3 bar:



Graph 2 Water consumption at varying pressure:



Optimal performance:

The Profience® shower heads come with a 12 hole distributor disc which produces an excellent shower pattern as shown in graph 1.

Maintenance:

Consistent with other chrome plated products, the Profience® showerheads should not be descaled using HydroChloric (HCl) acid based cleaners (such as Viakal) as it is corrosive to chrome plated surfaces if it remains in contact with it for any length of time. If used it must be rinsed thoroughly using plenty of clean water. More appropriate cleaning agents are those using formic or citric acid. The HCl may also damage the plastic sleeve and inserts within the showerhead thereby causing them to deteriorate prematurely.

The showerhead will require maintenance as required by health & safety regulations. The precise frequency will vary depending upon the level of usage and cleaning method employed.

Service kit 9920 contains a full set of plastic inserts for the showerhead.

Models:

model	item	flowrate with isoflow
162xx	Profience Fix	7, 8 or 10 l/min available
161xx	Profience VP	7, 8 or 10 l/min available
9138	Bow "mammut", brass	
9920	Service kit	

The Profience® is available in different flow volume models. Please make a selection concerning one of the following options:

- xx = 07 = 7 l/min
- xx = 08 = 8 l/min
- xx = 10 = 10 l/min

Technical Specification:

Bow "mammut"
Concealed shower arm



Profience Fix
162xx

Profience VP
161xx



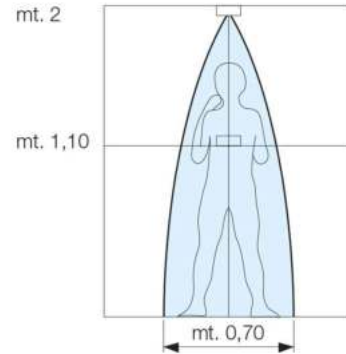
Technical Specifications:

Materials	Body: unleaded brass, polished and chromed Disc: POM, EPDM / unleaded brass Gasket: EPDM with KTW-approval
Adjustment angle	26 degrees
Thread	G 1/2
Total length	162xx: 75.5 mm 161xx: 59.5 mm
Weight	162xx: 204 g 161xx: 176 g
Guarantee	1 year

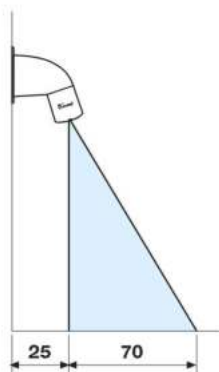
SOFFIONI DOCCIA PER COMUNITÀ IN OTTONE FUSO

Economizzatore incorporato in tutti i modelli

Community fused brass shower heads with built-in economiser in all models



R 790
Con sagomatura
antiappiglio
With anti-hold shaping



■ Antivandalo

Completamente in ottone fuso non ha possibilità di essere smontato.

Vandal-proof

Completely made in fused brass. It cannot be removed.



R 792
Orientabile
Rotary shower



R 799
Brevettato
orientabile
*Patented
rotary shower*

■ Grande economia

Il riduttore di portata incorporato permette di risparmiare più del 60% di acqua ed energia, il consumo è di 9 l/min. indipendentemente dalla pressione.

Grand economy

The integrated flow reducer enables water and energy savings of more than 60% to be made. Consumption is 9 l/min., regardless of pressure.

■ Anticalcare

Il getto d'acqua esce da 1 solo foro Ø 11.

Anti-scale

Only one hole Ø 11.

SOFFIONI DOCCIA PER COMUNITÀ IN OTTONE FUSO

Consumo ridotto di 9 litri/minuto
Reduced consumption of 9 litres/min.

TERMOSTATICI - THERMOSTATIC



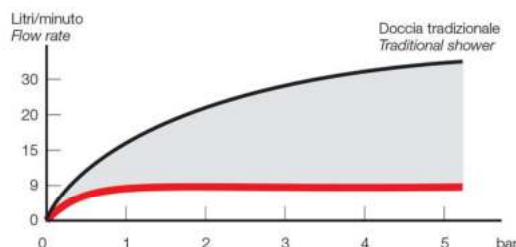
R 798
braccio doccia in ottone fuso e soffione orientabile
shower head in fused brass with rotary shower



R 795
per tutti i bracci
doccia
for all showers



R 799/2
brevettato
braccio doccia e soffione orientabile
patented - shower head with rotary shower



■ Grande economia

Il consumo costante di 9 litri/minuto consente di ridurre la riserva di acqua calda.

Grand economy

Constant consumption 9 liters/minute allows to reduce the hot water reserve.

■ Anticalcare

Il getto d'acqua spinto dalla turbina ha una azione autopulente del foro diffusore e quindi la manutenzione è minima.

Anti-scale

The jet of water pushed by the turbine cleans the hole so that servicing is kept to a minimum.



■ Tonificante

La turbina crea un effetto cadenzato e intermittente dell'acqua e la doccia è tonificante e piacevole.

Tones up

The turbine creates a regular and intermittent supply of water so that the shower tones up and is very pleasant.

RUBINETTI E MISCELATORI ELETTRONICI 9V PER DOCCIA

INFRARED TAPS AND MIXERS FOR SHOWER CONTROL 9V

ELETTRONICI - INFRARED CONTROL



E2610/5

Maniglia per la scelta della temperatura
Temperature adjusting handle

- Soffione doccia orientabile in ottone – consumo 9 litri/minuto.

Rotary shower head made in brass – 9 l/min.

- Il getto d'acqua spinto da una turbina in hostaform esce da un solo foro diffusore.

Water jet come out from single hole pushed by an hostaform turbine.



E2601/5

Rubinetto di chiusura per la manutenzione e filtro inox facilmente estraibile

Turn off tap for servicing and stainless steel filter easy to take out

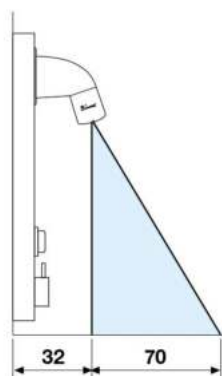
PANNELLI DOCCIA ANTIVANDALO IN ACCIAIO INOX PREMONTATI CON COMANDO ELETTRONICO PRONTI PER L'INSTALLAZIONE

ELECTRONIC PRE-ASSEMBLED STAINLESS STEEL VANDAL-PROOF SHOWER PANELS

ELETTRONICI - INFRARED CONTROL



- Erogazione automatica antilegionella per 45 secondi dopo 24 ore di non utilizzo
Legionella automatic dispensing for 45 seconds 24 hours of non-use
- Rubinetti di arresto con filtri inox.
Closing taps with stainless steel filters.
- Maniglia e soffione doccia in ottone fuso.
Handle and shower head in fused brass.
- Dima di montaggio in acciaio inox.
Stainless steel assembly template.
- Fissaggio con viti security.
Fixing with security screws.



E07500
Rubinetto doccia
alimentazione a parete.
Shower tap - wall-feeding.

E07511/2
Miscelatore doccia con bilanciatore di flusso
alimentazione a soffitto.
Shower mixer with automatic flow balancer - ceiling-feeding.



CONSTANT FLOW REGULATOR



Model In-Line
6, 8, 12 litre/min



Model Terminal
6, 8, 12 litre/min

Introducing the 'Wa' Constant Flow Regulator - the small device that can make a big difference to your water and energy bills. With its internal flow limiter, this regulator can save you up to 70% on water and 30% on energy, all while ensuring a constant flow rate.

Designed for use in a range of settings, from canteens and gyms to hotels, public toilets, buildings, hospitals, clubs, and more, the 'Wa' Constant Flow Regulator optimizes your systems and helps you achieve a reliable flow rate. Plus, its in-line installation means it can intervene where a nozzle is distributing to different outlet pressures.

For an even easier and more cost-effective solution, simply install the 'Wa' Terminal Constant Flow Regulator at the nozzle of your faucet. Don't let high water and energy bills drain your resources - upgrade to the 'Wa' Constant Flow Regulator today and start saving.

Specification/Material

Body:	Gunmetal & Brass
Flow limiter:	Polymer/NBR
Sizes:	½" M x ½" F (In-line) M24 x 1, M22 x 1 (Terminal)
Max. Temp:	90°C
Max Pressure:	16 Bar
Dimension:	23mm length x 24mm height (In-line) 15mm length x 26mm height (Terminal) 15mm length x 24mm height (Terminal)

Test Method:

BS EN 246 : 2003 – General specifications for flowrate regulators.
PUB requirements for Constant Flowrate Regulator



PSB Singapore

Durchflusskonstanthalter | *Constant Flow Regulator*



MINICASTOR

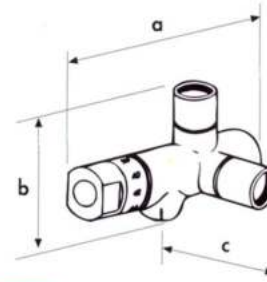
MISCELATORE TERMOSTATICO Ø 3/4"

legge n. 10/91 - D.P.R. n. 412/93 - legge n. 36/94 - risparmio di energia - ideale per abitazioni e piccoli impianti



cod. R 284 DN20

a	139
b	85
c	55



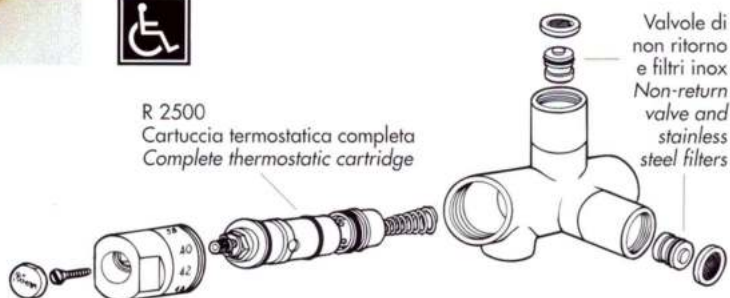
Sicurissimo ed economico
Very safe and economical

Portata in lt./minuto MINICASTOR
Flow in litres per minute MINICASTOR

bar	1	1,5	2	2,5	3	4	5
litri/minuto litres/minute	20	26	30	34	38	45	50



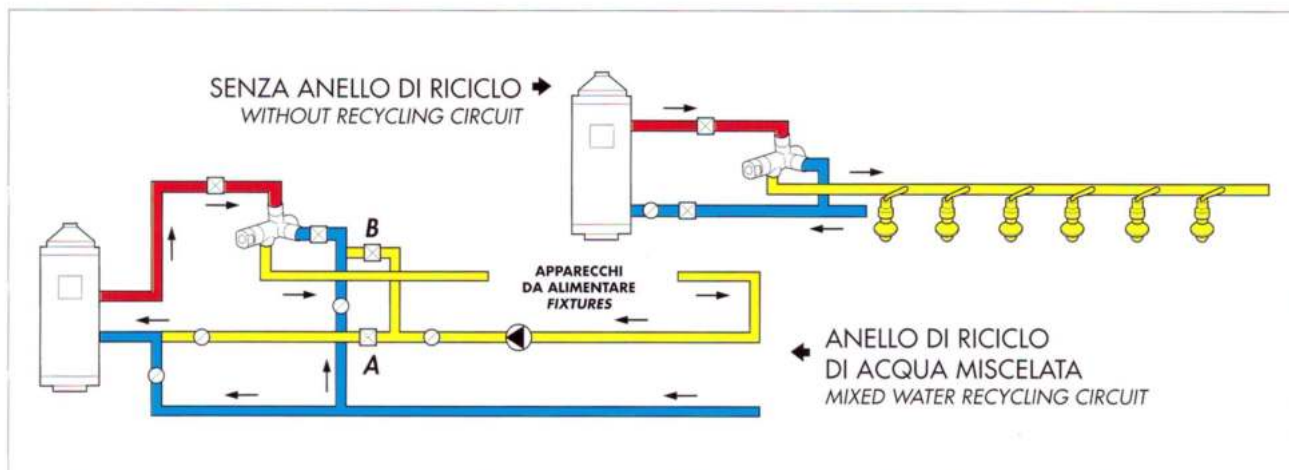
R 2500
Cartuccia termostatica completa
Complete thermostatic cartridge



Valvole di non ritorno e filtri inox
Non-return valve and stainless steel filters

Il funzionamento è garantito anche con caldaia istantanea a gas. La cartuccia termostatica è a risposta ultra rapida e ha una durata illimitata. Il suo utilizzo è ideale nei piccoli impianti (parrucchieri - palestre) e per particolari usi industriali (sviluppo fotografico). Se improvvisamente manca l'acqua fredda, un dispositivo blocca l'erogazione eliminando il rischio di scottature. Questa caratteristica lo rende indispensabile negli impianti per persone disabili o anziani, come previsto dalla legge n. 13/89 - D.M. 236/89. **Per tarare la temperatura dell'acqua miscelata aprire la metà più uno degli apparecchi.** La taratura del miscelatore è fatta al banco di collaudo. **Se la temperatura indicata sulla maniglia non corrisponde alla temperatura reale** è sufficiente togliere la maniglia (vedi figura) e rimontarla nella posizione corretta eventualmente utilizzando un termometro clinico. Girando la maniglia tutto a destra l'acqua è fredda.

Operations are also guaranteed by an instant gas-fired boiler. The thermostatic cartridge is extremely fast-acting and has an unlimited life. It is ideal for small systems (hairdressers - gyms) and for special industrial applications (development of photographs). If the cold water supply suddenly fails, the hot water supply is cut off to prevent the risk of scalding.



A 3 bar si alimentano n° 5 docce utilizzando i riduttori di portata cromati RIVER art. 280/7 (fra braccio doccia e soffione). Questo miscelatore è particolarmente consigliato per piccoli impianti con rubinetti a tempo.

MISCELATORI A PEDALE SERIE 283 PLUS

Legge n. 283 - D.P.R. n. 327 art. 28 - sistema HACCP D.L. n. 155/97 - Dir. CEE 93/43

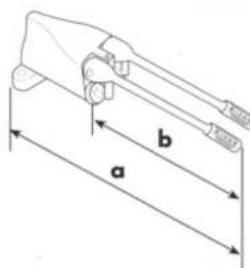
PEDAL OPERATED MIXERS RANGE 283 PLUS

- un pedale per acqua solo fredda e un pedale per acqua solo calda, premendo i due pedali si ottiene una buona miscelazione - può funzionare anche con boiler istantaneo a gas
- si può eseguire qualunque riparazione senza togliere il miscelatore dal pavimento o dalla parete
- dispositivo anti colpo d'ariete e filtri inox alle entrate
- one pedal for cold water and one pedal for hot water to mix the water, press the levers together - can work also with instant gas-fired water heater
- to service there is no need to remove the mixer from the floor
- built-in stainless steel filters and device anti water hammers



miscelatore a pavimento
floor mixer

- cartuccia acqua fredda e calda interamente in ottone e sede di tenuta sostituibile
- brass cartridge and replaceable seal seat



COD.	mm a	mm b
R 550 283	240	170



RUBINETTI A PEDALE SERIE 283 PLUS

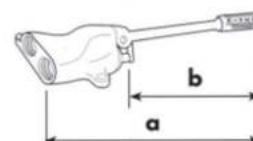
Legge n. 283 - D.P.R. n. 327 art. 28 - sistema HACCP D.L. n. 155/97 - Dir. CEE 93/43

PEDAL OPERATED TAP RANGE 283 PLUS



rubinetto a pavimento
floor tap

COD.	mm a	mm b
R 560 283	245	170



- si può eseguire qualunque riparazione senza togliere il rubinetto dal pavimento o dalla parete
- dispositivo anti colpo d'ariete e filtro inox all'entrata
- to service there is no need to remove the tap from the floor
- built-in stainless steel filters and device anti water hammers

MISCELATORI A PEDALE SERIE 283 PLUS

Legge n. 283 D.P.R. n. 327 art. 28 - sistema HACCP D.L. n. 155/97 - Dir. CEE 93/43

PEDAL OPERATED MIXER RANGE 283 PLUS

- cartuccia completamente estraibile con filtri inox incorporati
- grande portata - una speciale versione per supermercati, industrie alimentari, grandi cucine consente una portata di 34 litri/minuto a 3 bar
- premendo la leva si ottiene acqua fredda, progressivamente miscelata e solo calda
- removable cartridge with built-in stainless steel filter
- the special version for use in catering kitchens and the food industry has a capacity of 34 l/min. at 3 bar
- press the lever to obtain cold water, which will progressively be mixed and become hot



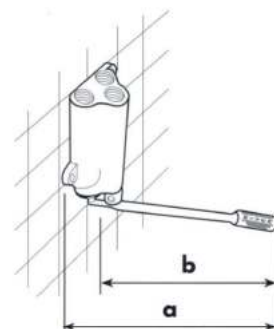
R 570 283 miscelatore a pavimento
floor mixer

R 571 283 miscelatore a pavimento con grande portata
floor mixer with big flow rate

COD.	mm a	mm b
R 570 283	290	170
R 571 283	290	170

R 572 283 miscelatore a parete
wall-mounted mixer

R 573 283 miscelatore a parete con grande portata
wall-mounted mixer with big flow rate



COD.	mm a	mm b
R 572 283	300	250
R 573 283	300	250



BOCCHIE DI EROGAZIONE CON INCORPORATO ECONOMIZZATORE DI ACQUA
SPOUTS WITH FLOW REDUCER

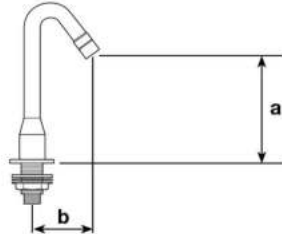
Legge n. 10/91 risparmio di energia
Legge n. 36/94 risorse idriche

No a sprechi d'acqua
e a spruzzi fastidiosi
To avoid wasted water
and annoying jets

PEDALI E BOCCHIE - PEDALS AND SPOUTS



R 597 fissa
Fixed

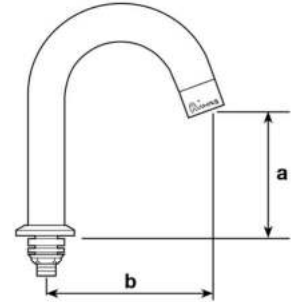


COD.	mm a	mm b
R 597 283	140	100
R 598 283	150	100

R 598 orientabile
Swivel



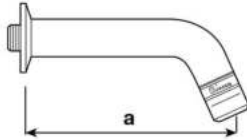
R 582
Fissa Ø 28
consumo 7 litri/minuto
Fixed



COD.	mm a	mm b
R 582 283	90	135



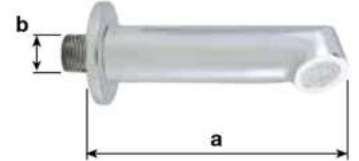
R 583
Fissa a parete Ø 28
Wall installation



COD.	mm a	mm b
R 583 283	155	-



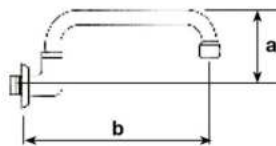
R 585 283
Bocca fissa fusa Ø 30
Swivel



COD.	mm a	mm b
R 585 283	100	½"
R 586 283	150	½"



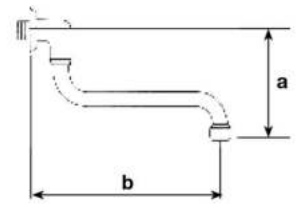
R 591 283
Orientabile a parete
Swivel



COD.	mm a	mm b
R 591 283	85	215
R 593 283	85	285



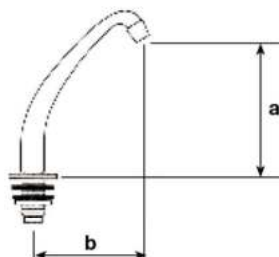
R 592 283
Orientabile a parete
Swivel



COD.	mm a	mm b
R 592 283	140	210
R 594 283	140	270



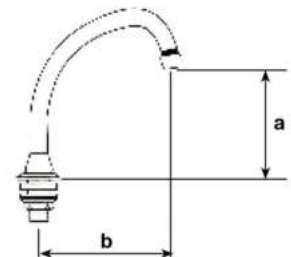
R500/2
Orientabile
Swivel



COD.	mm a	mm b
R 500 283	168	155



R 590 283
Orientabile
Swivel



COD.	mm a	mm b
R 590 283	135	150

BOCCHE DI EROGAZIONE ALTE

HIGH SWIVEL SPOUT



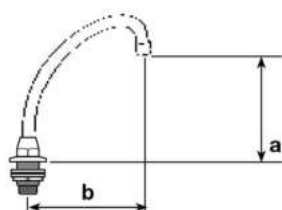
800 02
Orientabile
Swivel



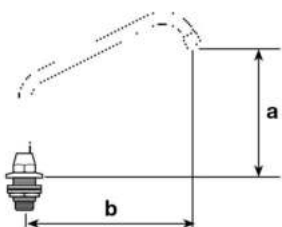
800 02/8
Orientabile
Swivel

BOCCHE DI EROGAZIONE ALTE SENZA ECONOMIZZATORE

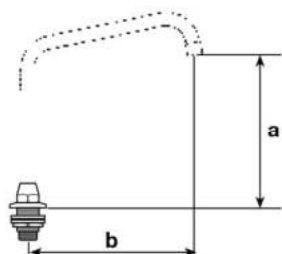
HIGH SWIVEL SPOUTS WITHOUT ECONOMIZER



CODICE	mm a	mm b	Ø	NOTE
800 00	175	185	1/2"	Bocca di erogazione orientabile per lavello Ø 18 - ottone lucidato e cromato - rosetta Ø 50 - foratura mm. 27 - attacco Ø 3/4" ridotto 1/2" maschio Swivel - hole 27 mm. - rosette Ø 50
800 00/33	175	185	1/2"	Come articolo precedente - rosetta Ø 33 - foratura mm. 21 - attacco 1/2" M Swivel - hole 21 mm. - rosette Ø 33



800 01	170	250	1/2"	Bocca di erogazione orientabile per lavello Ø 18 - ottone lucidato e cromato - rosetta Ø 50 - foratura mm. 27 - attacco Ø 3/4" ridotto 1/2" maschio Swivel - hole 27 mm. - rosette Ø 50
800 02	200	300	1/2"	
800 03	230	350	1/2"	
800 01/33	170	250	1/2"	Come articolo precedente - rosetta Ø 33 - foratura mm. 21 - attacco 1/2" M Swivel - hole 21 mm. - rosette Ø 33
800 02/33	200	300	1/2"	
800 03/33	230	350	1/2"	



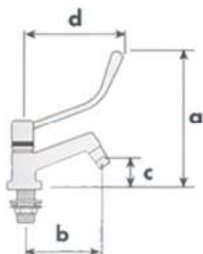
800 00/8	180	180	1/2"	Bocca di erogazione orientabile per lavello a U - Ø 20 - ottone lucidato e cromato - rosetta Ø 50 - foratura mm. 27 - attacco Ø 3/4" ridotto 1/2" maschio Swivel - hole 27 mm. - rosette Ø 50
800 01/8	260	250	1/2"	
800 02/8	330	300	1/2"	
800 03/8	380	350	1/2"	

MISCELATORI CON COMANDI A LEVA



D.M. 236/89 - D.P.R. 503/96

LEVER OPERATED MIXERS



- miscelatore antiscottatura. Il movimento della leva è solo orizzontale e la portata è automatica di 7 litri/minuto. Alimentazione con flessibili inox per l'eventuale movimento del lavabo

- non-scalding, easy control. The lever moves only orizontally. Mounted with stainless steel flexible piping for washbasin displacement

COD.	mm a	mm b	mm c	mm d
R 514	210	125	40	140

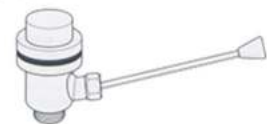


la maniglia ruota su O-RING
the head rotates on an O-RING

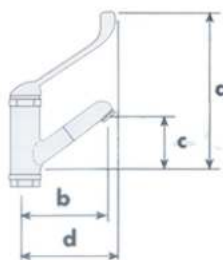
- R 2533 Maniglia con leva
Lever handle
- R 2535 Vitone speciale ultrarapido
Special, ultra-quick head valve
- R 2577 Corpo di miscela
Body mixer
- R 2536 Pistone acqua fredda con molla inox
Cold water piston with stainless steel spring
- R 2544 Sede di tenuta acqua calda
Hot water seal seat
- R 2537 Pistone acqua calda
Hot water piston
- R 2545 Premimolla e entrata acqua calda
Spring gland and hot water inlet
- R 280 A7 Riduttore di portata a taratura fissa 7 l/min.
Flow reducer, pre-set at 7 l/min.

COD. R 518

- scarico lavabo con comando facilitato lunghezza della leva mm. 340
- washbasin trap with lever operated mm. 340



- miscelatore monocomando con dischi ceramici - speciale doccetta estraibile in ABS antiurto cromata. Particolarmente adatto alle persone con mobilità limitata.
- single control mixer with extendible shower head special model for disabled



COD.	mm a	mm b	mm c	mm d
R 516	275	120	85	170



RUBINETTI CON COMANDI A LEVA



D.M. 236/89 - D.P.R. 503/96

LEVER OPERATED TAPS

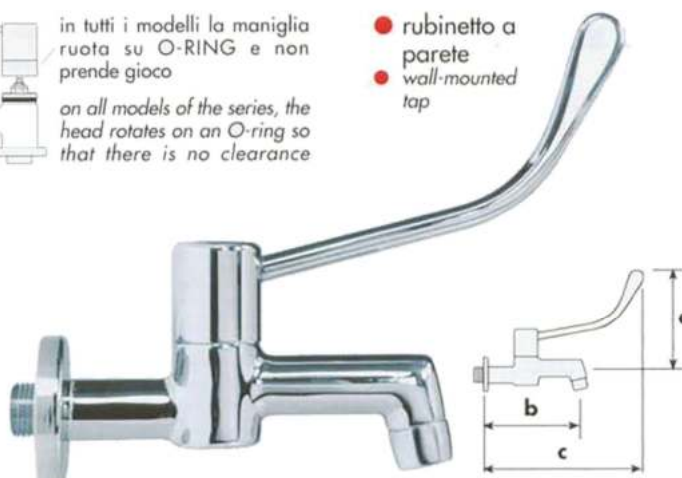
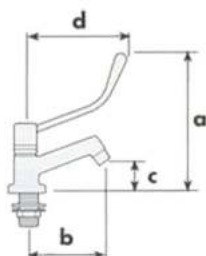
in tutti i modelli la maniglia ruota su O-RING e non prende gioco
on all models of the series, the head rotates on an O-ring so that there is no clearance

- rubinetto a parete
- wall-mounted tap

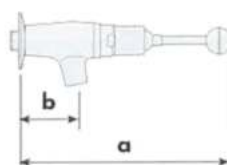


- rubinetto lavabo
- washbasin tap

COD.	mm a	mm b	mm c	mm d
R 504	185	115	35	140

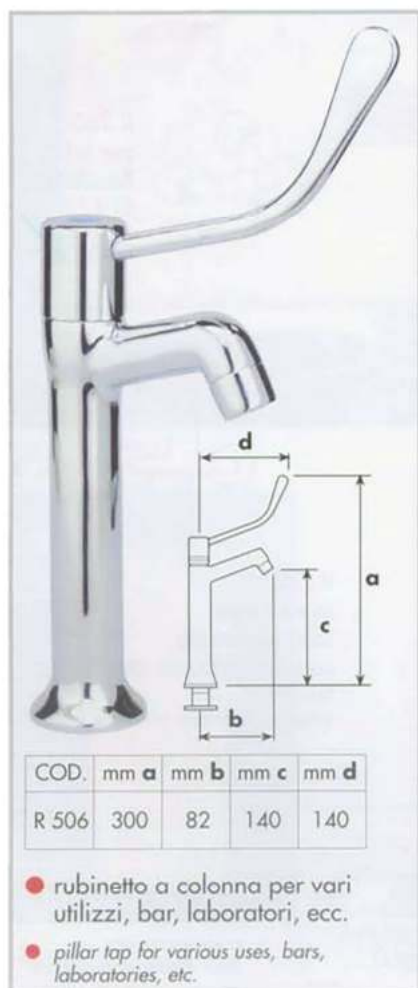


COD.	mm a	mm b	mm c
R 505	150	150	205



COD.	mm a	mm b
R 702	215	65

- rubinetto temporizzato a parete
- timed wall-mounted tap

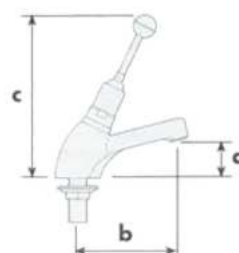


COD.	mm a	mm b	mm c	mm d
R 506	300	82	140	140

- rubinetto a colonna per vari utilizzi, bar, laboratori, ecc.
- pillar tap for various uses, bars, laboratories, etc.

Con il semplice tocco in tutte le direzioni si ottiene l'erogazione per circa 20 sec. Regolazione automatica della portata di 7 l/min.

With simple touch in any direction and water will be supplied



COD.	mm a	mm b	mm c
R 711	50	115	180

- rubinetto lavabo temporizzato
- timed washbasin tap



ELBOW ACTION TAP



Model 31-15L : Basin Cold Tap with Long Lever
: Basin Mixer with Long Lever

*Model No. 31-15L
Basin Mixer with Elbow Lever
c/w Pop-up waste 1.1/4"*



Model 31-17L : Sink Cold Tap with Long Lever
: Sink Mixer with Long Lever



PSB Singapore



AUTOMATIC SENSOR TAP



Design: L



Design: H

Model No.	Wa 15-01 AC	Wa 15-01 DC
Power/Volt	220V – 50/60 Hz.	DC – 6V
Power consumption	<2W	<0.3mW
Water Pressure	0.05 – 0.7mpa	0.05 – 0.7mpa
Sensing Distance	10 – 30cm	10 – 30cm
Inlet/Outlet	½"	½"
Cut off time	No more than 60 sec.	No more than 60 sec
Water Flow Rate	Less than 2 L/M	Less than 2 L/M
MWELS	BST-2009/002161	BST-2009/002161
Registration No.	1.8Litres (3 tick)	1.8Litres (3 tick)

Introducing the ‘Wa’ Model 15-01 DC/AC Automatic Sensor Basin Tap - the perfect solution for a hands-free and hygienic washroom environment. Crafted from solid brass and chrome-plated, this tap has undergone rigorous testing, including 200,000 cycles of continuous operation, and meets PUB WELs Standards.

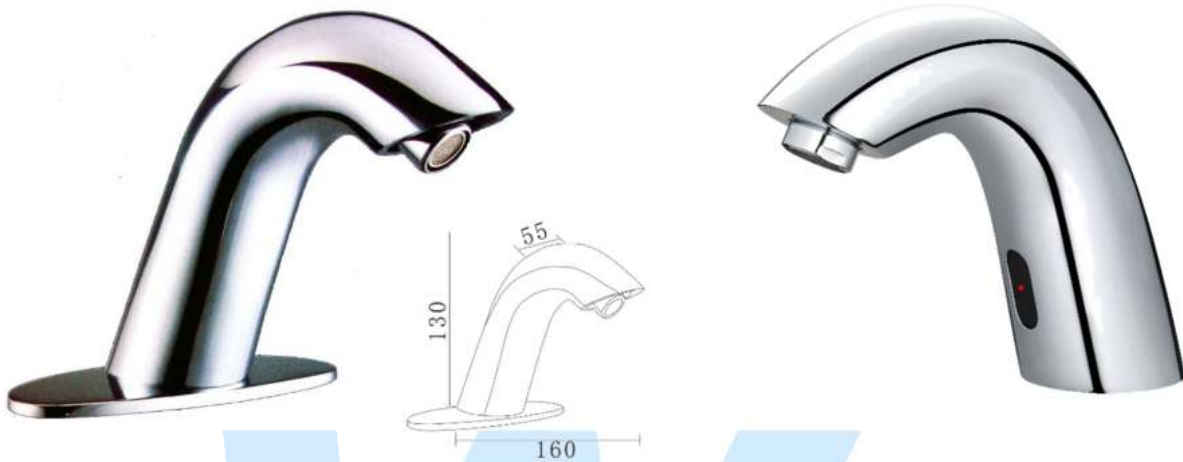
With its automatic sensor technology, water is released when hands are placed under the nozzle and stops immediately when hands are removed. This makes for a convenient and hassle-free experience, while also ensuring maximum hygiene.

The DC model operates with just 4 AA batteries, making it an energy-efficient option for any washroom. Additionally, the tap is equipped with a water saver aerator, further reducing water consumption and providing even more value for money.

Invest in the ‘Wa’ Model 15-01 DC/AC Automatic Sensor Basin Tap today for a sleek and functional addition to your washroom that prioritizes both hygiene and sustainability.



AUTOMATIC SENSOR TAP



Design: S

Model No.	Wa 15-01 AC	Wa 15-01 DC
Power/Volt	220V – 50/60 Hz.	DC – 6V
Power consumption	<2W	<0.3mW
Water Pressure	0.05 – 0.7mpa	0.05 – 0.7mpa
Sensing Distance	10 – 30cm	10 – 30cm
Inlet/Outlet	½"	½"
Cut off time	No more than 60 sec.	No more than 60 sec
Water Flow Rate	Less than 2 L/M	Less than 2 L/M
MWELS	BST-2009/002161	BST-2009/002161
Registration No.	1.8Litres (3 tick)	1.8Litres (3 tick)

Design: R

Looking for a modern and hygienic solution for your washroom? Look no further than the ‘Wa’ Model 15-01 DC/AC Automatic Sensor Basin Tap. This tap features cutting-edge sensor technology, allowing for hands-free operation that minimizes the spread of germs and bacteria.

Crafted from durable solid brass and finished with a sleek chrome plating, this tap has passed the rigorous PSB test for 200,000 cycles of continuous operation. It also complies with PUB WELS Standards, ensuring quality and safety.

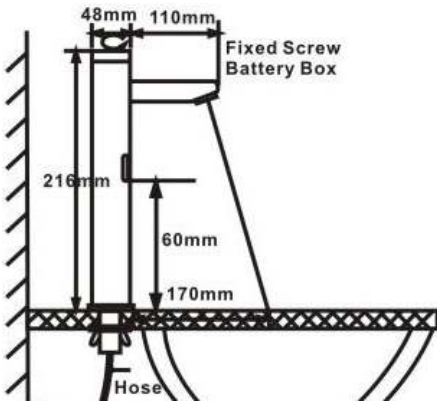
With the DC model, you can enjoy the convenience of battery-operated operation using just 4 AA batteries. And, with the water saver aerator, you can reduce water consumption and help protect the environment while still enjoying a comfortable and efficient washroom experience.

Upgrade your washroom with the ‘Wa’ Model 15-01 DC/AC Automatic Sensor Basin Tap today, and experience the perfect balance of form and function.



PSB Singapore

AUTOMATIC SENSOR TAP



Design: P

Model No.	Wa 15-01 AC	Wa 15-01 DC
Power/Volt	220V – 50/60 Hz. DC – 6V	DC – 6V
Power consumption	<2.5W	<0.5Mw
Water Pressure	0.05 – 0.7mpa	0.05 – 0.7mpa
Sensing Distance	10 – 30cm	10 – 30cm
Inlet/Outlet	½"	½"
Cut off time	No more than 60 sec	No more than 60 sec
Water Flow Rate	Less than 2 L/M	Less than 2 L/M
MWELS	BST-2009/002161	BST-2009/002161
Registration No.	1.8Litres (3 tick)	1.8Litres (3 tick)

The 'Wa' Model 15-01 DC/AC Automatic Sensor Basin Tap is the perfect addition to any modern washroom. This tap is designed with convenience, hygiene, and sustainability in mind.

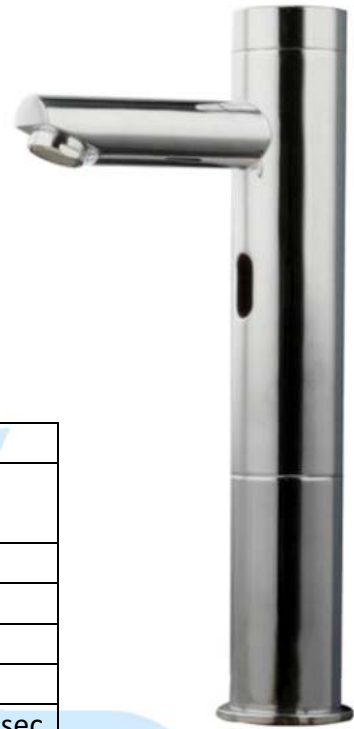
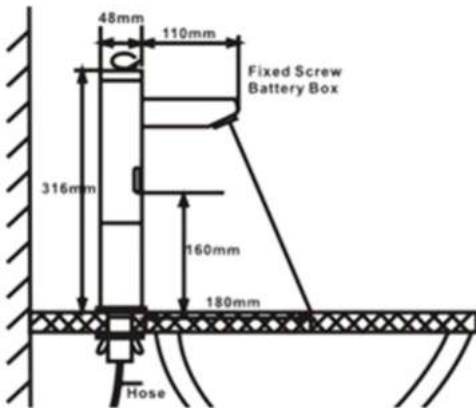
Featuring advanced sensor technology, this tap allows for hands-free operation, minimizing contact with germs and bacteria. Made from durable solid brass and finished with a stylish chrome plating, this tap has undergone rigorous testing, including 200,000 cycles of continuous operation, and meets PUB WELS Standards for quality and safety.

With the DC model, you can enjoy energy-efficient operation with just 4 AA batteries. Additionally, the tap is equipped with a water saver aerator, reducing water consumption without sacrificing performance.

Upgrade your washroom with the 'Wa' Model 15-01 DC/AC Automatic Sensor Basin Tap today and enjoy a sleek and efficient addition that prioritizes both convenience and sustainability.



AUTOMATIC SENSOR TAP



Design: PE

Model No.	Wa 15-01 AC	Wa 15-01 DC
Power/Volt	220V – 50/60 Hz. DC – 6V	DC – 6V
Power consumption	<2.5W	<0.5Mw
Water Pressure	0.05 – 0.7mpa	0.05 – 0.7mpa
Sensing Distance	10 – 30cm	10 – 30cm
Inlet/Outlet	½"	½"
Cut off time	No more than 60 sec	No more than 60 sec
Water Flow Rate	Less than 2 L/M	Less than 2 L/M
MWELS	BST-2009/002161	BST-2009/002161
Registration No.	1.8Litres (3 tick)	1.8Litres (3 tick)

The 'Wa' Model 15-01 DC/AC Automatic Sensor Basin Tap is the perfect addition to any modern washroom. This tap is designed with convenience, hygiene, and sustainability in mind.

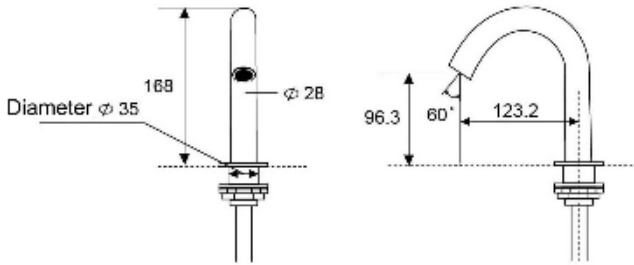
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AUTOMATIC SENSOR TAP



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Registration No.	1.8Litres (3 tick)	1.8Litres (3 tick)

Introducing the 'Wa' Model 15-01 DC/AC Automatic Sensor Basin Tap - the perfect solution for a modern, hygienic washroom. With advanced sensor technology, this tap provides hands-free operation, minimizing the spread of germs and bacteria.

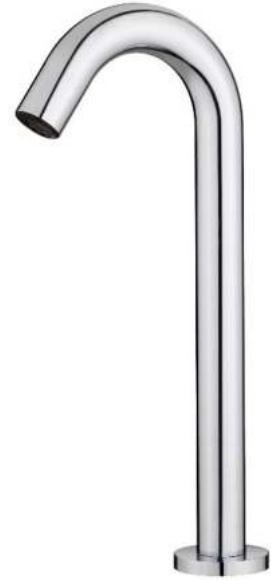
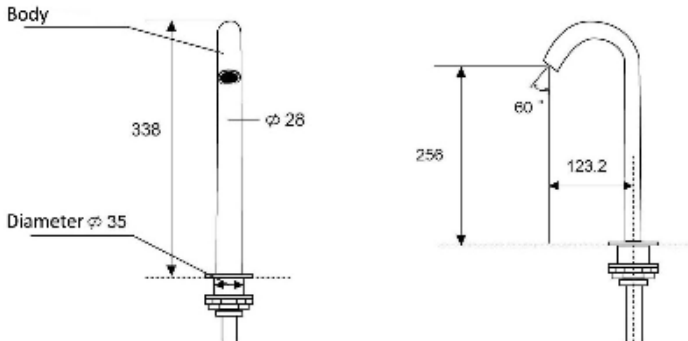
Crafted from solid brass and finished with a sleek chrome plating, this tap is built to last. It has undergone rigorous testing, including 200,000 cycles of continuous operation, and meets PUB WELs Standards for quality and safety.

The DC model is battery-operated, using just 4 AA batteries for energy-efficient performance. Plus, the water saver aerator helps to reduce water consumption without sacrificing water pressure or performance.

Upgrade your washroom today with the 'Wa' Model 15-01 DC/AC Automatic Sensor Basin Tap and enjoy the perfect balance of style, convenience, and sustainability.



AUTOMATIC SENSOR TAP



Design: TE

Model No.	Wa 15-01 AC	Wa 15-01 DC
Power/Volt	220V – 50/60 Hz	DC – 6V
Power consumption	<2.5W	<0.5Mw
Water Pressure	0.05 – 0.7mpa	0.05 – 0.7mpa
Sensing Distance	10 – 30cm	10 – 30cm
Inlet/Outlet	½"	½"
Cut off time	No more than 60 sec	No more than 60 sec
Water Flow Rate	Less than 2 L/M	Less than 2 L/M
MWELS	BST-2009/002161	BST-2009/002161
Registration No.	1.8Litres (3 tick)	1.8Litres (3 tick)

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Sensing Distance	10 – 30cm	10 – 30cm
Inlet/Outlet	½"	½"
Cut off time	No more than 60 sec	No more than 60 sec
Water Flow Rate	Less than 2 L/M	Less than 2 L/M
MWELS	BST-2009/002161	BST-2009/002161
Registration No.	1.8Litres (3 tick)	1.8Litres (3 tick)

Design: W

Introducing the 'Wa' Model 15-01 DC/AC Automatic Sensor Basin Tap, the ultimate solution for a touchless and hygienic washroom experience. Made of solid brass and chrome-plated, this product has undergone the latest PSB stringent test of 200,000 cycles for continuous operation, ensuring its durability and reliability.

Complying with PUB WELs Standards, this tap is operated by 4 AA batteries (for the DC model), making it easy to install and use. The automatic sensor technology releases water when hands are placed under the nozzle and stops immediately when hands are removed, providing a hands-free operation and reducing the spread of germs.

The 'Wa' Model 15-01 also includes a water saver aerator, further reducing water consumption and making it a value-added product for both the environment and your wallet. Say goodbye to manually operated taps and hello to the future of washroom technology with the 'Wa' Model 15-01 DC/AC Automatic Sensor Basin Tap.



SELF-CLOSING DELAY ACTION TAP



Model: 31-3S/H



Model: 31-3S/M

Introducing the 'Wa' Art. 31-3S/H Self-closing Delayed Action Basin Tap, the perfect blend of convenience, efficiency, and reliability. This tap is designed to cater to all your plumbing needs, providing a hassle-free experience and ensuring longevity.

One of the standout features of this tap is the built-in Constant Flow Regulator, which eliminates the need for additional inline CFRs, saving you both time and money. It also prevents pipeline blockages, ensuring a consistent and uninterrupted flow of water. In addition, the anti-splash aerator prevents water from splashing out of the sink, keeping your vanity dry and clean.

'Wa' Art. 31-3S/H Self-closing Delayed Action Tap comes with special features as follows:

- High resistance – PSB tested to 200,000 cycles
- Soft press – with specially designed double-spring mechanism
- Interchangeable spare-parts for wear and tear purposes – thus makes it an even more value-added product
- Built-in 2L Constant Flow Regulator to comply WELs requirements
- Low Maintenance cost

Products have been proven in Commercial Buildings, Schools, Sport Centers, Hospitals, Restaurants, Food Centers, Clubs, Factories, and etc.



SELF-CLOSING DELAY ACTION TAP

Model 32-3S/H: Wall-Tap w/ Water Saver Bubbly-effect



Introducing the 'Wa' Art. 32-3S/H Self-closing Delayed Action Wall Tap, the ultimate solution for your plumbing needs. Designed with a built-in Constant Flow Regulator (CFR), this tap helps you save costs on additional inline CFRs, and prevents pipeline blockages. Plus, with the anti-splash aerator, you can keep your vanity dry and clean.

What sets 'Wa' Art. 32-3S/H apart is its PSB approval, obtained after passing a stringent test of 200,000 continuous cycles with not more than 3 seconds timing. It also complies with PUB WELs Standards, ensuring that you get a product that is reliable and high-quality.

Don't miss out on the opportunity to include 'Wa' Art. 32-3S/H Self-closing Delayed Action Wall Tap to your plumbing system.

Products have been proven in Commercial Buildings, Schools, Sport Centers, Hospitals, Restaurants, Food Centers, Clubs, Factories, and etc.

