


# WATER SOLUTIONS



## GENERAL CATALOGUE 2024

 Represents Quality and Reliable Products

**WAVIN TECHNOLOGY PTE LTD**

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



**Represents Quality and Reliable Products**

**WAVIN**  
WATER SOLUTIONS





Wavin Technology is a top supplier of water-saving devices, water treatment solutions, and water safety and engineering products, with a reputation for excellence built over 40 years in the industry. Our brand, "Wa," is a trusted name among Singaporeans and institutions.

Water is a precious resource that should be used wisely. Our products are designed to assist our customers in saving water, minimizing costs, and enhancing efficiency. They undergo rigorous testing to meet international standards, as well as approvals from local authorities such as PUB.

At Wavin Technology, we believe in the saying “喝好水”, where we want people to enjoy good water and lead a healthy life.

Our dedication to delivering reliable and superior quality products fills us with pride as we collaborate with institutions that value high-quality water that is free from harmful contaminants such as bacteria, viruses, and other pathogens. Over the years, we have been fortunate to collaborate with renowned institutional clients in the healthcare and hospitality industries.

Our team of experts has over 30 years of experience and is always available to provide custom solutions and exceptional after-sales customer service. The servicing team is made up of licensed and skilled plumbers who are committed to ensuring that our customers' needs are met with precision and care.

We constantly strive to deliver products and services that meet the highest standards of excellence. We believe that quality is not just a goal, but a fundamental principle that underlies everything we do.

- Water Treatment ----- Page 4
  - Magnetic Field + Alkali/Resin Filters (Scale Prevention)
  - Water Filters
  - Drinking Water Dispensers
- Water Saving ----- Page 27
  - Tap Aerators
  - Constant Flow Regulators
  - Hygiene Bidet Toilet Seat & Attachment
  - Toilet Seat Cover
  - Shower Set
  - Tap/Faucets (Basin/Kitchen/Shower/Bath/Garden)
  - Commercial Faucets (Hands-Free)
- Valves & Fittings ----- Page 70
  - Mechanical & Engineering Valves
  - Stainless Steel Valves (Hydraulic, Mechanical & Engineering)
  - Specialty Valves
  - Piping Adhesives

# Project References



The list continues as follows:

AQUEEN Hotels	@	Singapore
Concorde Hotel Singapore	@	Orchard
Fitness First Clubs	@	ASIA region
Hilton Hotel Singapore	@	Orchard
HomeTeamNS	@	Singapore
Hotel Grand Pacific Singapore	@	Victoria Street
Hotel Miramar	@	Havelock Road
Hotel Rendezvous	@	Bras Besar
ICA Tuas Mega Port	@	Tuas
Khoo Teck Puat Hospital	@	Yishun
KK Women's & Children's Hospital	@	Bukit Timah
National Cancer Centre	@	Singapore
National Heart Centre	@	Singapore
National Service Resort & Country Club	@	Changi
National University Hospital	@	Singapore
Ng Teng Fong General Hospital	@	Jurong East
Ngee Ann City	@	Orchard
Raffles Country Club	@	Singapore
Raffles Hotel	@	Beach Road
REVL Training Clubs	@	Singapore
Resorts World At Sentosa	@	Sentosa Gateway
Royal Plaza on Scotts	@	Scotts Road
SAFRA Clubs	@	Singapore
Saint Andrew's Community Hospital	@	Simei
Sembawang Country Club	@	Sembawang
Shangri-La Rasa Sentosa Resort & Spa	@	Sentosa
Singapore General Hospital	@	Singapore
Singapore Recreation Club	@	Connaught Drive
Swissotel Merchant Court Singapore	@	Merchant Road
The American Club Singapore	@	Claymore Hill
The Pan Pacific Hotel Singapore	@	Raffles Boulevard
The Regent Singapore	@	Cuscaden Road
The Singapore Island Country Club	@	Island Club Road / Sime Road
W Singapore Sentosa Cove Hotel	@	Ocean Way


To be continued...



# WATER TREATMENT



## CATALOGUE 2024

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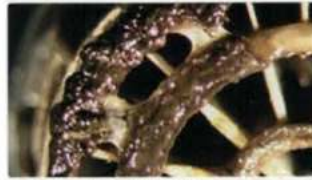
Pipe with scale deposits



Washing machine heating element



Tube heat exchanger



Water feeder with biofilm



Heating element

Are you tired of dealing with rust and scale buildup in your water pipes and equipment? Look no further than our eco-friendly water treatment system. Our innovative method uses a **Magnetic Field (MF) device** to treat your water without harmful chemicals or salt, providing reliable protection 24/7.

Our system changes the crystallization process of calcium in hard water, preventing it from sticking to surfaces and causing hard scale deposits. This minimizes maintenance costs and extends the lifespan of your appliances, optimizing energy efficiency and reducing downtime. Plus, our MF device works in both up and downstream directions, even in no-flow conditions, ensuring consistent protection throughout your entire system.

Our strategically installed MF device provides maximum protection where limescale buildup is most common, but since the signal travels throughout the entire system, all parts are protected. By using randomly varying electric fields to cluster ions in hard water, our system produces nuclei (seed crystals) that grow between .05 and 50 microns in suspension, which are then washed away in the flow when water is heated. This treatment method dissolves existing scale in just a few months, leaving your water clean and fresh.

For even better results, **we recommend to complete with our water filtration system** before any industrial or residential appliances and drinking faucets. Our system disintegrates old limescale deposits, prevents the formation of water scale, and minimizes maintenance expenses. By optimizing energy costs and reducing the consumption of detergents and agents for chemical softening of water, our system is both cost-effective and environmentally friendly.

## Features

- Avoid contaminants such as bacteria/virus to trap and breed in corroded parts or limescale deposits
- Disintegrate old limescale deposits, especially to old buildings and estates.
- Prevent formation of water scale in pipes and apparatuses.
- Prevent depleting heat exchange efficiency due the limescale formation, optimize energy savings.
- Constrain an inner surface corrosion of ferrous parts.
- Reduce maintenance costs and down-time costs; increase service life of pipe-lines and appliances.
- Decrease a consumption of detergents and agents for chemical softening of water.
- Environmental-friendly operation without using any chemicals.

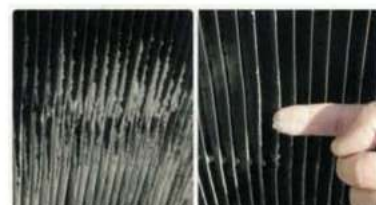
## Treatment Effects – Before & After



Grill plate in a professional kitchen



Piping system



Cooling tower grid

## TEST REPORT: 7191087813-CHM14-01-LYP

Date: 28 MAY 2014 Tel: +65 68851346 Fax: +65 67732912

Client's Ref: - Email: Yin-Pheng.LEONG@tuv-sud-psb.sg

**Note:** This report is issued subject to the Testing and Certification Regulations of the TÜV SÜD Group and the General Terms and Conditions of Business of TÜV SÜD PSB Pte Ltd. In addition, this report is governed by the terms set out within this report.



PSB Singapore

Choose certainty.  
Add value.

### SUBJECT

Microbiological Analysis of Water

### CLIENT

Wavin Technology Pte Ltd  
1004 Eunos Venue 8  
#01-05  
Singapore 409499

### SAMPLE SUBMISSION DATE / TEST DATE

16 May 2014 / 19 May 2014

### DESCRIPTION OF SAMPLE

2 water samples were submitted.

Sample	Description
Sample 1	Water collected from B2 pump room water tank dated 03/04/2014
Sample 2	Water collected from B2 pump room water tank dated 15/05/2014 after installation of dated 01/04/2014

### METHOD OF TEST

Standard Methods for the Examination of Water and Wastewater, 22<sup>nd</sup> Edition, 2012  
(APHA-AWWA-WEF)

- Part 9213E. Membrane Filter Technique for *Pseudomonas aeruginosa*
- Part 9215B. Heterotrophic Plate Count - Pour Plate Method
- Part 9222B. Standard Total Coliform Membrane Filter Procedure, Fecal Coliforms and *Escherichia coli*
- Part 9230C. Fecal Streptococcus and Enterococcus - Membrane Filter Techniques

ISO 6461/1 1986 "Water quality - Detection and enumeration of the spores of sulphite-reducing Anaerobes (clostridia) - Method by enrichment in a liquid medium"



TÜV SÜD PSB

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Regional Head Office:  
TÜV SÜD Asia Pacific Pte. Ltd.  
3 Science Park Drive, #04-01/05  
The Franklin, Singapore 118223  
TUV®



**TEST REPORT: 7191087813-CHM14-01-LYP**  
28 MAY 2014



PSB Singapore

**RESULTS**

Test	Sample 1	Sample 2	AVA Guidelines for Drinking Water (Singapore)
Total Colony Count, CFU per ml	1 200	16	Not more than 100 000 per ml
Total Coliforms, CFU per 250 ml	Less than 1	Less than 1	Not detectable per 250 ml
Escherichia coli, CFU per 250 ml	Less than 1	Less than 1	Not detectable per 250 ml
Pseudomonas aeruginosa, CFU per 250 ml	Less than 1	Less than 1	Not detectable per 250 ml
Fecal streptococci, CFU per 250 ml	Less than 1	Less than 1	Not detectable per 250 ml
Staphylococcus aureus, CFU per 250 ml	Less than 1	Less than 1	Not detectable per 250 ml
Sporulating sulphite reducing anaerobes per 50 ml	Not detected	Not detected	Not detectable per 50 ml

**Notes :**

CFU : Colony Forming Unit

**Remarks :**

The above test results related to the samples as received.

*Handwritten signature*

**MS AW HWEE YING**  
TECHNICAL EXECUTIVE

*Handwritten signature*

**MRS KAM-LEONG YIN PHENG**  
PRODUCT MANAGER  
MICROBIOLOGY  
CHEMICAL & MATERIALS



Represents Quality and Reliable Products

**WAVIN**  
WATER SOLUTIONS



White Silver Wine Black



**wa**  
**x**  
**Gorani®**

**Purified**

**Alkaline**

**Sparkling**



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FILTERING MEDIA

# FILTERING MATERIALS

OUR WIDE RANGE OF FILTERING MATERIALS ALLOW YOU TO GUARANTEE SAFE WATER AND QUALITY DEPENDING ON FINDINGS.

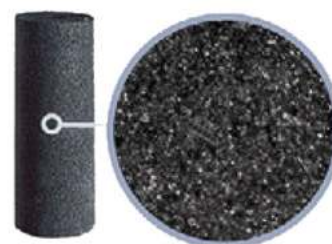
## CARTRIDGES

For different degrees of filtering mechanics.



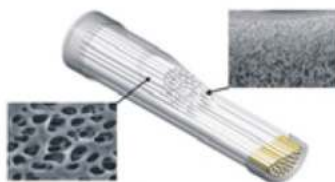
### VEGETABLE CARBON BLOCK\*

Vegetable carbon cartridge sintered with filtration degree of 5 microns



### SILVER PLATED VEGETABLE CARBON BLOCK\*

Vegetable carbon cartridge sintered with filtration degree of 0.5 microns



### HOLLOW FIBER

Ultra filtration cartridge with filtration degree of 0.1 micron  
Sizes: D 25mm, L140mm



### MELT BROWN\*

Polypropylene pre-filter cartridge wrapped with filtration degree of 5 micron

## REFINE+ HIGH FLOW

**Gorani®**  
Made in Italy

**FOR DRINKING WATER**



Gorani filters are industry certified with highest safety and quality control. We strive for continuous improvement by delivering better and quality products.

We have been trusted since early 2000s and our portfolios include hospitals, hotels, schools, vessels, F&B establishments, recreation/fitness clubs, factories, workshops, malls, shops, offices, homes and more.

Refine+/Refine Classic filters are combined with the use of double surface polyethylene fibre membrane and powdered activated carbon obtained from coconut. Refine comes in one standard size of 10 inch; whereas Refine+ comes in three sizes of 10, 15 & 20 inch.

This appliance is for the treatment of drinking water. It filters out impurities as small as 0.5 micron, remove pollutants (suspended microparticles, dirt/rust, mould & algae), chlorine and other undesirable taste/odours; reduce metals and toxic organic compounds.

## REFINE CLASSIC



### Cartridge Replacement

1. Turn off the water coming into the filter
2. **Removal:** Release pressure by discharging the water. Raise the cartridge securing clip by pushing it upward, rotate the exhausted cartridge clockwise and pull it down.
3. **Mounting:** Remove the protective cap from the new cartridge (use it on the exhausted cartridge to prevent any undesired dripping). Place the new cartridge beneath the opening; make sure that one of the two securing clips is lined up to the reference point before pushing the cartridge upward. Rotate it counter-clockwise and pull down the securing clip.
4. Turn on the water and let the water run for a few liters before beginning actual use.

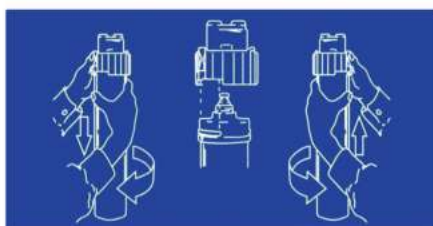
**\*Note:** The appliance must operate strictly in a vertical position except for special versions.



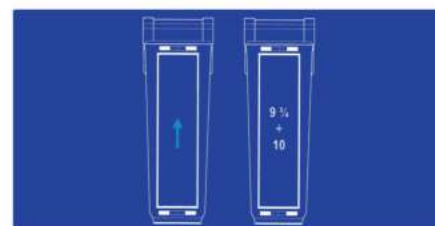
### Cartridge Replacement

1. Turn off the water coming into the filter
2. **Removal:** Disconnect the pipes from their fittings and release pressure by discharging the water. Quick pulling-off the exhausted cartridge from the bottle.
3. **Reload:** Wash the bottle before inserting the new cartridge (wrap the exhausted cartridge to prevent any undesired dripping).
4. Turn on the water and let the water run for a few liters before beginning actual use.

**\*Note:** The appliance must operate strictly in a vertical position except for special versions.



Warning: This equipment requires regular maintenance periodically to ensure the requirements of potability of the drinking water treated and maintenance improvements as declared by the producer. Do not use with microbiologically dangerous water. Wash with care or replace the appliance after long periods of inactivity (3/4 weeks). Cartridge casing made entirely out of recyclable material (PP).



**No Drilling  
Installation  
Available!**





Each System includes:

1. Filter Connector : Made of solid brass and hardness support with cartridge securing clip.
2. Disposal Refine+ filter cartridge
3. Wall-bracket & Necessary Sanitary Fittings

\*Optional - No Drilling Design for easy installation

**REFINE+**  
Swiss Technology  
Design For Rapid Flow

**Gorani**®  
Made in Italy  
FOR DRINKING WATER

Today's Highlight:

## Undersink Drinking Water Ultra-Filtration System...

**Refine+ Prelim** filters are combined with the use of G.A.C. and Melt Blown sediment filter. Filtering module is in polypropylene fibre which filters out impurities up to 5 micron; while silver salts impregnated in carbon prevents bacteria from multiplying inside the filter. Refine+ Prelim comes in three sizes.

This appliance is recommended to combine with other Refine+ Composite Filter for the treatment of drinking water.

- 2+2 Stages: Sediment & Silver Granular Activated Carbon (GAC) + Ultra-Filtration Media & Silver-plated Carbon Block (PAC)
- Cleaner & Better-Tasting Water
- Drinking water treating up to 0.1 Micron
- Retain water with mineral contents.
- Easy DIY installation and Quick-Connect replacement
- Gorani filters are industry certified with highest safety and quality control.



Autonomy with 2 ppm of chlorine present\*:  
10": Capacity 450 l/h – can treat up to 30,000 lt.  
15": Capacity 500 l/h – can treat up to 45,000 lt.  
20": Capacity 550 l/h – can treat up to 75,000 lt.



**Refine+ Ultra** filters are combined with the use of special Hollow Fiber membrane and Silver-plated Carbon Block to prevent bacteria from multiplying inside the filter. Refine+ Ultra comes in three sizes.

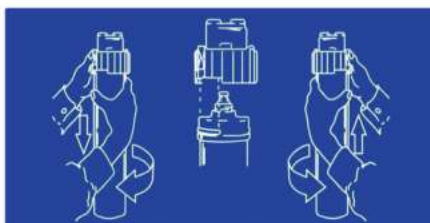
This appliance is for the treatment of drinking water. It filters out impurities up to 0.1 micron, remove pollutants (suspended microparticles, dirt/rust, mould & algae) & bacterial count up to 99.9999% with anti-bacteriostatic action, chlorine and other undesirable taste/odours; reduce metals and toxic organic compounds.



Autonomy with 2 ppm of chlorine present\*:  
10": Capacity 180 l/h – can treat up to 5,000 lt.  
15": Capacity 300 l/h – can treat up to 10,000 lt.  
20": Capacity 400 l/h – can treat up to 15,000 lt.

\*The autonomy is inversely proportional to the amount of chlorine present. The capacity of the mechanical filtration is strongly linked to the characteristics of the water to be treated.

Min/Max inlet water temperature: 3/30°C.  
Operating Pressure: 1~7 bar (15~100psi)



Warning: This equipment requires regular maintenance periodically to ensure the requirements of potability of the drinking water treated and maintenance improvements as declared by the producer. Do not use with microbiologically dangerous water. Wash with care or replace the appliance after long periods of inactivity (3/4 weeks). Cartridge casing made entirely out of recyclable material (PP).



**Gorani®**  
*Made in Italy*  
**FOR DRINKING WATER**

## TYPES OF 10" HOUSING



**Model: G100**  
Inlet & Outlet: ½"  
Working pressure up to 8 bar (116psi)



**Model: G101 with Key**  
Inlet & Outlet: ½"



**Model: G102**  
Inlet & Outlet: ¾"

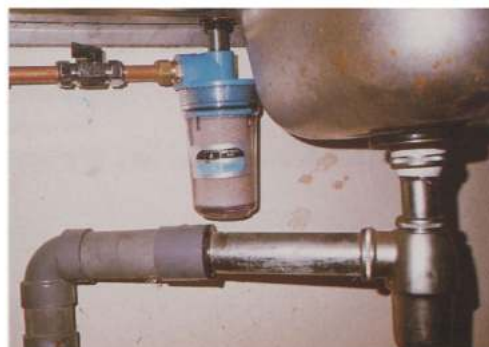


## REFINE101 FILTER HOUSING

## METHODS OF INSTALLATION



**MAIN PIPE INSTALLATION**



**UNDER SINK INSTALLATION**



**QUICK & EASY INSTALLATION**



# Gorani®

Made in Italy

## FOR DRINKING WATER

### REFINE101 FILTER CARTRIDGE

#### Model: PP/G125

#### Polypropylene



- Water is filtered up to 25 Micron.
- Suitable to retain, dust, rust & etc.
- Replace cartridge after 5,000 litres of usage or when necessary.

Available in 1, 5 & 25 micron

#### Model: Prelim/G101

#### Composite with Granular Activated Carbon (GAC)



- Water is filtered up to 5 Micron removing particles such as dust, rust & etc.
- Suitable to reduce chlorine, bad odours & tastes.
- Replace cartridge after 7,000 litres of usage or when necessary.

Available in 3 & 5 micron

#### Model: Absolute

#### Poly-Philic with PES Membrane



- Water is filtered up to 1.2 Micron; ensuring lower pressure drop at high flow rate.
- Chemical-resistance & fine filtration suitable for semiconductor, photoelectric and F&B industries.
- Certified by FDA.
- Replace cartridge preferably no longer than 6 months or when necessary.

Available in 0.04, 0.1, 0.2 & 1.2 micron

#### Model: Classic/Uni

#### Composite with Carbon Block (PAC)



- Water is filtered to 0.5 Micron removing pollutants (suspended microparticles, dirt/rust, mould & algae).
- Suitable to remove chlorine, undesirable odours & tastes; and reduce metals & toxic organic compounds.
- Replace cartridge after 7,000 litres of usage or when necessary.

#### Model: Ceramic/Candle

#### Ceramic



- Water is filtered up to 0.5 Micron.
- Suitable to retain, dust, rust & etc.
- Remove cartridge and scrub with brush if necessary.
- Replace when the lining is too thin.





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Made in Korea  
FOR DRINKING WATER

**RESTORE101 FILTER CARTRIDGE**



## 4-Stage Alkaline-X System for Drinking Water Dispenser

- ❖ 11" U-Type Water Filter Cartridge
- ❖ Drinking water treating up to 5 Micron
- ❖ Water pH level between 8.5~9.5
- ❖ Free Service Kit (Elbow Connectors & Tube Hose)

### Sediment

- Pre-Filter treating up to 5 Micron.
- Suitable to remove pollutants such as sand, dirt/rust & etc.
- Filter Material: Polypropylene (PP)
- Replace cartridge after 1,800 litres of usage or when necessary, but not more than 1 year.

### Carbon (GAC)

- Absorb chlorine and reduce organic compounds.
- Remove bad odours and tastes.
- Anti-Bacteria as silver carbon inhibits bacteria growth.
- Prevents hydrolysis and enhances the lifespan of the membrane.
- Filter Material: Silver Granular Activated Carbon
- Replace cartridge after 3,500 litres of usage or when necessary, but not more than 1 year.

### Carbon (PAC)

- Remove excess residues (Chlorine, Tastes & Odours).
- Remove metals & organic compounds.
- Better contaminant removal as in contact with carbon for longer period.
- Improve drinking water quality & taste.
- Filter Material: Powdered Activated Carbon Block
- Replace cartridge after 3,500 litres of usage or when necessary, but not more than 1 year.

### Alkaline

- Alkaline + Hydrogen
- Produce pH level between 8.5~9.5.
- Increases negative ions, Magnesium (Mg) & Hydrogen (H+)
- Enhance antioxidant activity which boost body energy & hydration.
- Filter Material: Bio-Ceramic/Coral Sand
- Replace cartridge after 5,500 litres of usage or when necessary, but not more than 1 year.

## 4-Stage Alkaline-Y System for Drinking Water Dispenser

- ❖ 11" U-Type Water Filter Cartridge
- ❖ Drinking water treating up to 0.01 Micron
- ❖ Water pH level between 8.5~9.5
- ❖ Free Service Kit (Elbow Connectors & Tube Hose)



### Carbon (GAC)

- Absorb chlorine and reduce organic compounds.
- Remove bad odours and tastes.
- Anti-Bacteria as silver carbon inhibits bacteria growth.
- Prevents hydrolysis and enhances the lifespan of the membrane.
- Filter Material: Silver Granular Activated Carbon
- Replace cartridge after 3,500 litres of usage or when necessary, but not more than 1 year.

### Ultra

- Remove pollutants up to 0.01 Micron such as dissolved substances, bacteria & some viruses.
- Retain water with mineral contents.
- Filter Material: Polysulfone Membrane
- Replace cartridge after 2,000 litres of usage or when necessary, but not more than 1 year.

### Carbon (PAC)

- Remove excess residues (Chlorine, Tastes & Odours).
- Remove metals & organic compounds.
- Better contaminant removal as in contact with carbon for longer period.
- Improve drinking water quality & taste.
- Filter Material: Powdered Activated Carbon Block
- Replace cartridge after 3,500 litres of usage or when necessary, but not more than 1 year.

### Alkaline

- Alkaline + Hydrogen
- Produce pH level between 8.5~9.5.
- Increases negative ions, Magnesium (Mg) & Hydrogen (H+)
- Enhance antioxidant activity which boost body energy & hydration.
- Filter Material: Bio-Ceramic/Coral Sand
- Replace cartridge after 5,500 litres of usage or when necessary, but not more than 1 year.



Each System includes:

1. Filter Connector : Made of solid brass and hardness support with cartridge securing clip.
2. Disposal Refine+ filter cartridge
3. Wall-bracket & Necessary Sanitary Fittings

\*Optional - No Drilling Design for easy installation

## REFINE+ Swiss Technology Design For Rapid Flow

**Gorani®**  
Made in Italy  
**FOR DRINKING WATER**



Refine+ Prelim filters are combined with the use of G.A.C. and Melt Blown sediment filter. Filtering module is in polypropylene fibre which filters out impurities up to 5 micron; while silver salts impregnated in carbon prevents bacteria from multiplying inside the filter. Refine+ Prelim comes in three sizes.

This appliance is recommended to combine with other Refine+ Filter for the treatment of drinking water.

Autonomy with 2 ppm of chlorine present\*:

10": Capacity 450 l/h – can treat up to 30,000 lt.

15": Capacity 500 l/h – can treat up to 45,000 lt.

20": Capacity 550 l/h – can treat up to 75,000 lt.



**Gorani®**  
Made in Korea  
**FOR DRINKING WATER**

## RESTORE101 FILTER CARTRIDGE



## 2+4 Stages Alkaline-Z System for Drinking Water Dispenser

- ❖ External 2-in-1 10" Prelim 5 Micron Water Filter Cartridge
- ❖ 11" U-Type Water Filter Cartridge
- ❖ Drinking water treating up to 0.001 Micron
- ❖ Water pH level between 8.5~9.5
- ❖ Free Service Kit (Elbow Connectors & Tube Hose)

### Nano

- Remove pollutants up to 0.001 Micron, a step away to essential pure water.
- Removes bacteria, most organic compounds (multivalent ions), a range of salts and nearly all viruses.
- Retain some mineral contents.
- Filter Material: Polypropylene (PP)/Polysulfone
- Replace cartridge after 2,000 litres of usage or when necessary, but not more than 1 year.

### Carbon (PAC)

- Remove Chlorine, Tastes & Odours.
- Remove metals & organic compounds.
- Better contaminant removal as in contact with carbon for longer period.
- Improve drinking water quality & taste.
- Filter Material: Powdered Activated Carbon Block
- Replace cartridge after 3,500 litres of usage or when necessary, but not more than 1 year.

### Alkaline

- Alkaline + Hydrogen
- Produce pH level between 8.5~9.5.
- Increases negative ions, Magnesium (Mg) & Hydrogen (H+)
- Enhance antioxidant activity which boost body energy & hydration.
- Filter Material: Bio-Ceramic/Coral Sand
- Replace cartridge after 5,500 litres of usage or when necessary, but not more than 1 year.

### Mineral

- Mineral + Activated Carbon
- Enrich water with natural alkaline minerals from precious stones.
- Reintroduce useful electrolytes, improve pH content and neutralise surplus acid.
- Filter Material: Natural Mineral Crystal
- Replace cartridge after 3,000 litres of usage or when necessary, but not more than 1 year.



'Wa' **COMO** water dispenser is beneficial as:

It is ideal to use at home, office or showroom. **SAVE** space!

A long-term investment, **SAVE** money! It cuts waiting, **SAVE** time!

It comes with options in Purification Water Filter System from Italy or

Alkaline Water Filter System from Korea. Good water, better life!

It serves **HOT WATER** (about 90 degree) and **COLD WATER** (about 4 degree).

Contact us for more information!

**COMO PLUS:**  
Hot & Cold Water

**COMO:**  
Hot & Cold Water

WA-815S	MODEL	WA-815T
<b>PHYSICAL</b>		
Floor Stand Cold & Hot Water Dispenser	TYPE	Table Top Cold & Hot Water Dispenser
300mm(W)X365mm(D)X1115mm(H)	PRODUCT DIMENSION	300mm(W)X365mm(D)X520mm(H)
22.00KGS	GROSS WEIGHT	20.00KGS
<b>ELECTRIC</b>		
AC220~240V 50/60Hz, 100~127v 50/60Hz	POWER	AC220~240V 50/60Hz, 100~127v 50/60Hz
Hermetic Compressor	COMPRESSOR	Hermetic Compressor
R134a	REFRIGERATION GAS	R134a
110W (Cold) ; 480W (Hot)	POWER CONSUMPTION	110W (Cold) ; 480W (Hot)
<b>MECHANICAL</b>		
High Impact High Gloss ABS Resin	CABINET	High Impact High Gloss ABS Resin
0.8T EGI Sheetmetal	STRUCTURE SHEETMETAL	0.8T EGI Sheetmetal
Cold: 3.8 Liters Hot: 2.0 Liters	WATER RESERVOIR / CAPACITY (ALL STAINLESS BUILD)	Cold: 3.8 Liters Hot: 1.5 Liters
Push Blue Lever	FAUCET (COLD)	Push Blue Lever
Push Red Lever / Child Safety Lock Lever	FAUCET (HOT)	Push Red Lever / Child Safety Lock Lever
Thermostat w/Bi-metal	TEMPERATURE CONTROL	Thermostat w/Bi-metal
24 hours instantaneous	FACILITY	24 hours instantaneous
1. Environment Friendly & Energy Efficiency Design. 2. Hot water safety lock design. 3. Overload Relay cuts off electrical power if temperature rises to an unsafe level. 4. Hot Water Tank Insulation foam, UL approved 5. 1/4" Water inlet	FEATURES	1. Environment Friendly & Energy Efficiency Design. 2. Hot water safety lock design. 3. Overload Relay cuts off electrical power if temperature rises to an unsafe level. 4. Hot Water Tank Insulation foam, UL approved 5. 1/4" Water inlet
1. Parts: Main Body; Power cord; Water Tubes; PP Fittings 2. Filter System (if applicable)	PACKAGE CONTENTS	1. Parts: Main Body; Power cord; Water Tubes; PP Fittings 2. Filter System (if applicable)
1. 6 months against Manufacturer's defects 2. 1 Year against Manufacturer's defects if installed with 'Gorani' Filter System. 3. Optional Add-On Warranty	WARRANTY	1. 6 months against Manufacturer's defects 2. 1 Year against Manufacturer's defects if installed with 'Gorani' Filter System. 3. Optional Add-On Warranty



**SUPERIOR PLUS:**  
Hot, Cold & Ambient  
Water



'Wa' **SUPERIOR** water dispenser is beneficial as:

It is ideal to use at home, office or showroom. **SAVE** space!

A long-term investment, **SAVE** money! It cuts waiting, **SAVE** time!

It comes with a set of Purification Water Filter System from Italy and 1 year Warranty against manufacturer defects, extended warranty option is available!  
Water filter replacement is suggested within 6 months. Good water, better life!

Contact us for more information!



**SUPERIOR:**  
Hot, Cold & Ambient  
Water

WA-3019S	MODEL	WA-3019T
<b>PHYSICAL</b>		
Floor Stand Cold & Hot Water Dispenser	TYPE	Table Top Cold & Hot Water Dispenser
280mm(W)X530mm(D)X1165mm(H)	PRODUCT DIMENSION	280mm(W)X540mm(D)X550mm(H)
42.00KGS	GROSS WEIGHT	25.00KGS
<b>ELECTRIC</b>		
AC220~240V 50/60Hz, 110V 50/60Hz	POWER	AC220~240V 50/60Hz, 110V 50/60Hz
Hermetic Compressor	COMPRESSOR	Hermetic Compressor
R134a	REFRIGERATION GAS	R134a
170W (Cold) ; 750W (Hot)	POWER CONSUMPTION	170W (Cold) ; 750W (Hot)
<b>MECHANICAL</b>		
Cold: 6°C ~ 11°C ; Hot: 95°C ~ 100°C	WATER TEMPERATURE	Cold: 6°C ~ 11°C ; Hot: 95°C ~ 100°C
Ambient: 6.4 Liters Cold: 2.8 Liters Hot: 7.5 Liters	WATER RESERVOIR / CAPACITY (ALL STAINLESS BUILD)	Ambient: 3 Liters Cold: 1.7 Liters Hot: 5.0 Liters
Press Black Lever	FAUCET (AMBIENT/COLD)	Press Black Lever
Press Red Lever / Child Safety Lock Lever	FAUCET (HOT)	Press Red Lever / Child Safety Lock Lever
2 Thermostats: WAKO ( Japanese Brand )	TEMPERATURE CONTROL	2 Thermostats: WAKO ( Japanese Brand )
24 hours instantaneous	FACILITY	24 hours instantaneous
1. Hot water safety lock design. 2. Water leaking circuit breaker, cutting off water automatically to avoid disasters. 3. Overload Relay cuts off electrical power if temperature rises to an unsafe level. 4. Hot Water Tank Insulation foam, UL approved 5. 1/2" Water inlet	FEATURES	1. Hot water safety lock design. 2. Water leaking circuit breaker, cutting off water automatically to avoid disasters. 3. Overload Relay cuts off electrical power if temperature rises to an unsafe level. 4. Hot Water Tank Insulation foam, UL approved 5. 1/2" Water inlet
1. Parts: Main Body; Power cord; Water Tubes; PP Fittings 2. Filter System (if applicable)	PACKAGE CONTENTS	1. Parts: Main Body; Power cord; Water Tubes; PP Fittings 2. Filter System (if applicable)
1. 6 months against Manufacturer's defects 2. 1 Year against Manufacturer's defects if installed with 'Gorani' Filter System. 3. Optional Add-On Warranty	WARRANTY	1. 6 months against Manufacturer's defects 2. 1 Year against Manufacturer's defects if installed with 'Gorani' Filter System. 3. Optional Add-On Warranty





**TAHOE:**  
Hot & Ambient  
Water



**TAHOE PLUS:**  
Hot & Ambient  
Water



'Wa' **TAHOE** water dispenser is beneficial as:  
Valued investment with convenience! It's instant, **SAVE** time!  
It is ideal to use at bedroom, study room, kitchen, office & pantry.  
Purchase with 'Gorani' Purification Water Filter System from Italy for  
extended warranty against manufacturer defects! Water filter replacement  
is suggested within 6 months. Good water, better life!  
Contact us for more information!

WB-33	MODEL	WB-33A
<b>PHYSICAL</b>		
Table-Top Instant Hot Water Dispenser	TYPE	Table-Top Instant Hot Water Dispenser
170mm(W)X170mm(D)X290mm(H)	PRODUCT DIMENSION	310mm(W)X180mm(D)X290mm(H)
1.8KG	GROSS WEIGHT	3KG
<b>ELECTRIC</b>		
AC220V 50Hz	POWER	AC220V 50Hz
2100W	POWER CONSUMPTION	2100W
<b>MECHANICAL</b>		
25/45/60/80/90/100°C	WATER TEMPERATURE	25/45/60/80/90/100°C
N.A.	WATER RESERVOIR / CAPACITY (OPTIONAL ATTACHMENT)	2 Liters
Filtered Water / Pure Water	WATER INPUT/SOURCE	Filtered Water / Pure Water
Digital Display	TEMPERATURE CONTROL	Digital Display
1. Environment Friendly & Energy Efficiency Design. 2. Child Lock Button 3. Instant heating in 3 seconds. 4. Touch screen with 5 temperature modes for different drinking experiences. 5. Tea-brewing function.	FEATURES	1. Environment Friendly & Energy Efficiency Design. 2. Child Lock Button 3. Instant heating in 3 seconds. 4. Touch screen with 5 temperature modes for different drinking experiences. 5. Tea Functions 6. Removable water tank for convenience.
1. Parts: Main Body; Power cord; Water tray + Cup pad; Base of Water Tank; Tea Filter Cup; Manual 2. Filter System (if applicable)	PACKAGE CONTENTS	1. Parts: Main Body; 2L Water tank with cover; Power cord; Water tray + Cup pad; Base of Water Tank; Tea Filter Cup; Manual 2. Filter System (if applicable)
1. 3 months against Manufacturer's defects 2. Optional Add-On Warranty 3. 1 Year against Manufacturer's defects if installed with 'Gorani' Filter System.	WARRANTY	1. 3 months against Manufacturer's defects 2. Optional Add-On Warranty 3. 1 Year against Manufacturer's defects if installed with 'Gorani' Filter System.



**NESS:**  
Hot & Ambient  
Water



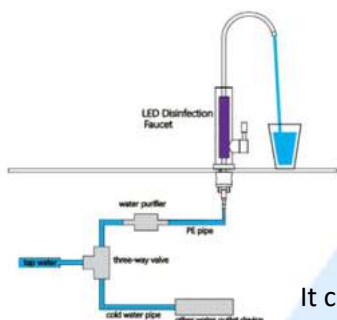
**NESS PLUS:**  
Hot & Ambient  
Water



'Wa' **NESS** water dispenser is beneficial as:  
Valued investment with convenience! It's instant, **SAVE** time!  
It is ideal to use at bedroom, study room, kitchen, office & pantry.  
Purchase with 'Gorani' Purification Water Filter System from Italy for  
extended warranty against manufacturer defects! Water filter replacement  
is suggested within 6 months. Good water, better life!  
Contact us for more information!

WB-02	MODEL	WB-02A
<b>PHYSICAL</b>		
Table-Top Instant Hot Water Dispenser	TYPE	Table-Top Instant Hot Water Dispenser
60mm(W)X100mm(D)X180mm(H)	PRODUCT DIMENSION	120mm(W)X205mm(D)X200mm(H)
0.6KG	GROSS WEIGHT	1KG
<b>ELECTRIC</b>		
AC220V 50Hz	POWER	AC220V 50Hz
2100W	POWER CONSUMPTION	2100W
<b>MECHANICAL</b>		
25/45/60/80/99°C	WATER TEMPERATURE	25/45/60/80/99°C
N.A.	WATER RESERVOIR / CAPACITY (OPTIONAL ATTACHMENT)	1.1 Liters
Filtered Water / Pure Water	WATER CONNECTION	Filtered Water / Pure Water
Digital Display	TEMPERATURE CONTROL	Digital Display
1. Environment Friendly & Energy Efficiency Design. 2. Travel-Friendly; Adapters for Bottled waters are provided. 3. Child Lock Button 4. Instant heating in 3 seconds. 5. Touch screen with 5 temperature modes for different drinking experiences.	FEATURES	1. Environment Friendly & Energy Efficiency Design. 2. Travel-Friendly; Adapters for Bottled waters are provided. 3. Child Lock Button 4. Instant heating in 3 seconds. 5. Touch screen with 5 temperature modes for different drinking experiences. 6. Removable water tank for convenience.
1. Parts: Main Body; Power cord; Long Hose for external large bottle; Short Hose for Water Tank; Bottle Adapter Cap; Manual 2. Filter System (if applicable)	PACKAGE CONTENTS	1. Parts: Main Body; Power cord; 1.1L Water tank with cover; Long Hose for external large bottle; Short Hose for Water Tank; Bottle Adapter Cap; Manual 2. Filter System (if applicable)
1. 3 months against Manufacturer's defects 2. Optional Add-On Warranty 3. 1 Year against Manufacturer's defects if installed with 'Gorani' Filter System.	WARRANTY	1. 3 months against Manufacturer's defects 2. Optional Add-On Warranty 3. 1 Year against Manufacturer's defects if installed with 'Gorani' Filter System.





**NEAGH V:**  
Ambient Water

'Wa' **NEAGH** counter-top water dispenser is beneficial as:

A long-term investment, **SAVE** money! It cuts waiting, **SAVE** time!

It is ideal to use at home, commercial kitchen & F&B establishments.

It comes with a set of Purification Water Filter System from Italy and 1 year Warranty against manufacturer defects, extended warranty option is available!  
Water filter replacement is suggested within 6 months. Good water, better life!

Contact us for more information!

**NEAGH PLUS:**  
Hot & Ambient Water

WB-35V	MODEL	WB-35A
<b>PHYSICAL</b>		
UV Sterilized Filter/RO Faucet	TYPE	Faucet Instant Hot Water Dispenser
146mm(W)X42mm(D)X320mm(H)	PRODUCT DIMENSION	Faucet: 171mm(W)X48mm(D)X230mm(H) Box: 210mm(W)X70mm(D)X245mm(H)
1.30KGS	GROSS WEIGHT	2.50KGS
<b>ELECTRIC</b>		
AC220~240V, 50Hz	POWER	AC220V 50Hz
25~50W	POWER CONSUMPTION	2200W
<b>MECHANICAL</b>		
ROOM/AMBIENT	WATER TEMPERATURE	25/45/60/85/100°C
N.A.	WATER RESERVOIR / CAPACITY (OPTIONAL ATTACHMENT)	N.A.
Filtered Water / Pure Water	WATER INPUT/SOURCE	Filtered Water / Pure Water
N.A.	TEMPERATURE CONTROL	Digital Display
1. Environment Friendly & Energy Efficiency Design. 2. Cost saving with Stainless Steel Build to last. 3. Safe to use - Max working pressure at 10 bar and max working temperature at 65°C. 4. UV Sterilization guarantee water disinfect from microorganisms and pathogens. 5. No water tank avoiding contaminations.	FEATURES	1. Environment Friendly & Energy Efficiency Design. 2. Child Lock Button 3. Instant heating in 3 seconds. 4. Touch screen with 5 temperature modes for different drinking experiences. 5. No water tank avoiding contaminations.
1. Parts: Main Body; Power cord; Base of Faucet; Water Tubes; PP Fittings; Manual 2. Filter System	PACKAGE CONTENTS	1. Parts: Faucet Body; System Box; Power cord; Water Tubes; PP Fittings; Manual 2. Filter System
1. 6 months against Manufacturer's defects depending on Filter maintenance schedule. 2. Optional Add-On Warranty with Filter Maintenance Package.	WARRANTY	1. 6 months against Manufacturer's defects depending on Filter maintenance schedule. 2. Optional Add-On Warranty with Filter Maintenance Package.



'Wa' VICTORIA water dispenser is beneficial as:

A long-term investment, SAVE money! It cuts waiting, SAVE time!

It is ideal to use at home, commercial kitchen & F&B establishments.

It comes with a set of Purification Water Filter System from Italy and 1 year Warranty against manufacturer defects, extended warranty option is available! Water filter replacement is suggested within 6 months. Good water, better life!

Contact us for more information!

**VICTORIA:**  
Hot & Cold Water

**VICTORIA PLUS:**  
Hot & Cold Water

WA-3007CH	MODEL	WA-2000CH
<b>PHYSICAL</b>		
Under-Sink Cold & Hot Water Dispenser	TYPE	Under-Sink Cold & Hot Water Dispenser
190mm(W)X465mm(D)X410mm(H)	PRODUCT DIMENSION	230mm(W)X300mm(D)X417mm(H)
17.00KGS	GROSS WEIGHT	20.00KGS
<b>ELECTRIC</b>		
AC220~240V, 50Hz	POWER	AC220~240V 50/60Hz, 110V 50/60Hz
Hermetic Compressor	COMPRESSOR	Hermetic Compressor
Fin & copper tubing	CONDENSER	Fin & copper tubing
R134a	REFRIGERATION GAS	R134a
170W (Cold) ; 1500W (Hot)	POWER CONSUMPTION	160W (Cold) ; 750W (Hot)
<b>MECHANICAL</b>		
Cold: 6°C ~ 11°C ; Hot: 95°C ~ 100°C	WATER TEMPERATURE	Cold: 6°C ~ 11°C ; Hot: 95°C ~ 100°C
Cold: 1.2 Liters Hot: 3.5 Liters	WATER RESERVOIR / CAPACITY (ALL STAINLESS BUILD)	Cold: 2 Liters Hot: 3.6 Liters
Pre-Filtered Water	WATER CONNECTION	Pre-Filtered Water
Thermostat	TEMPERATURE CONTROL	Thermostat
24 hours instantaneous	FACILITY	24 hours instantaneous
1. Environment Friendly & Energy Efficiency Design. 2. Stainless steel build 3. Anti-Fingerprint coating case for easy maintenance. 4. Hot Water Tank Insulation foam, UL approved 5. Pressure Type	FEATURES	1. Double Protection with 2 Thermostats. 2. Panasonic Electricity Leakage Circuit Breaker safety equipment. 3. Safety faucet body: Anti-scalded material. 4. Safety faucet design: Avoid child scaled by hot water. 5. Hot Water Tank Insulation foam, UL approved
1. Parts: Main Body; Press-Button Faucet; Power cord; Water Tubes; PP Fittings 2. Filter System (if applicable)	PACKAGE CONTENTS	1. Parts: Main Body; Digital Panel Faucet; Power cord. 2. Filter System (if applicable)
1. 6 months against Manufacturer's defects 2. 1 Year against Manufacturer's defects if installed with 'Gorani' Filter System. 3. Optional Add-On Warranty	WARRANTY	1. 6 months against Manufacturer's defects 2. 1 Year against Manufacturer's defects if installed with 'Gorani' Filter System. 3. Optional Add-On Warranty

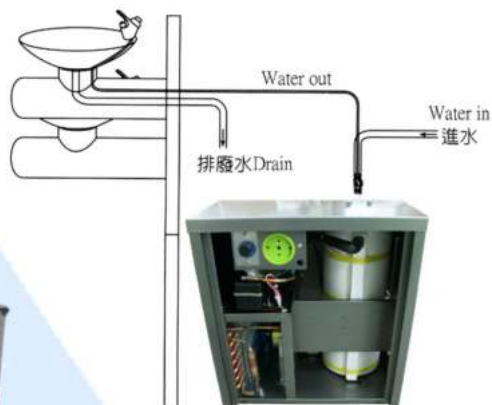


**BAIKAL:**  
Hot & Ambient  
Water

**BAIKAL PLUS:**  
Hot & Cold Water

'Wa' **BAIKAL** water dispenser is beneficial as:  
A long-term investment, **SAVE** money! It cuts waiting, **SAVE** time!  
It is ideal to use at home, commercial kitchen & F&B establishments.  
It comes with a set of Purification Water Filter System from Italy and 1 year  
Warranty against manufacturer defects, extended warranty option is available!  
Water filter replacement is suggested within 6 months. Good water, better life!  
Contact us for more information!

WB-3004	MODEL	WC-3005
<b>PHYSICAL</b>		
Under Sink Hot Water Dispenser	TYPE	Under Sink Cold Water Dispenser
180mm(W)X240mm(D)X390mm(H)	PRODUCT DIMENSION	180mm(W)X320mm(D)X370mm(H)
4.50KGS	GROSS WEIGHT	12.00KGS
<b>ELECTRIC</b>		
AC220~240V 50/60Hz, 110V 50/60Hz	POWER	AC220~240V 50/60Hz, 110V 50/60Hz
N.A.	COMPRESSOR	Hermetic Compressor
N.A.	CONDENSER	Fin & copper tubing
N.A.	REFRIGERATION GAS	R134a
750W	POWER CONSUMPTION	170W
<b>MECHANICAL</b>		
95°C ~ 100°C	WATER TEMPERATURE	6°C ~ 11°C
4 Liters	WATER RESERVOIR / CAPACITY (ALL STAINLESS BUILD)	1.2 Liters
Pre-Filtered Water	WATER CONNECTION	Pre-Filtered Water
Thermostats: WAKO ( Japanese Brand )	TEMPERATURE CONTROL	Thermostats: WAKO ( Japanese Brand )
24 hours instantaneous	FACILITY	24 hours instantaneous
1. Environment Friendly & Energy Efficiency Design. 2. Stainless steel heating element. 3. Overload Relay cuts off electrical power if temperature rises to an unsafe level. 4. Hot Water Tank Insulation foam, UL approved 5. Pressure Type	FEATURES	1. Environment Friendly & Energy Efficiency Design. 2. Air cooling design. 3. Cold Water Tank Insulation foam, UL approved.
1. Parts: Main Body; Press-Button Faucet; Power cord; Water Tubes; PP Fittings 2. Filter System (if applicable)	PACKAGE CONTENTS	1. Parts: Main Body; Press-Button Faucet; Power cord; Water Tubes; PP Fittings 2. Filter System (if applicable)
1. 6 months against Manufacturer's defects 2. 1 Year against Manufacturer's defects if installed with 'Gorani' Filter System. 3. Optional Add-On Warranty	WARRANTY	1. 6 months against Manufacturer's defects 2. 1 Year against Manufacturer's defects if installed with 'Gorani' Filter System. 3. Optional Add-On Warranty



**AMAZON PLUS:**  
Hot & Cold Water

'Wa' **AMAZON** water dispenser is beneficial as:  
 A long-term investment, **SAVE** money! It cuts waiting, **SAVE** time!  
 It is ideal to use at public amenities, pantries & F&B establishments.  
 It comes with a set of Purification Water Filter System from Italy and 1 year  
 Warranty against manufacturer defects, extended warranty option is available!  
 Water filter replacement is suggested within 3 to 6 months. Good water, better life!  
 Contact us for more information!

**AMAZON:**  
Cold Water Only

WA-850CH	MODEL	WC-318
<b>PHYSICAL</b>		
Floor Stand Cold & Hot Water Cooler	TYPE	Water Cooler for Wall-Mounted Fountain
310mm(W)X430mm(D)X1060mm(H)	PRODUCT DIMENSION	425mm(W)X305mm(D)X490mm(H)
25.00KGS	GROSS WEIGHT	17.00KGS
<b>ELECTRIC</b>		
AC220~240V 50/60Hz, 110V 50/60Hz	POWER	AC220~240V 50/60Hz, 110V 50/60Hz
Hermetic Compressor	COMPRESSOR	Hermetic Compressor
Fin & copper tubing	CONDENSER	Fin & copper tubing
R134a	REFRIGERATION GAS	R134a
175W (Cold) ; 750W (Hot)	POWER CONSUMPTION (HOT)	200W (Cold)
<b>MECHANICAL</b>		
Cold: 4°C ~ 8°C ; Hot: 98°C ~ 100°C	WATER TEMPERATURE	6°C ~ 11°C
Pre-Filtered Water	WATER CONNECTION	Pre-Filtered Water
Running: 20 L/hr (Hot); 20 L/hr (Cold)	WATER RESERVOIR / CAPACITY (ALL STAINLESS BUILD)	2.2 Liters
Press Blue Lever ; Press Fountain Button	FAUCET (COLD)	N.A.
Press Red Lever	FAUCET (HOT)	N.A.
Thermostat	TEMPERATURE CONTROL	Thermostat
24 hours instantaneous	FACILITY	24 hours instantaneous
1. Environment Friendly & Energy Efficiency Design. 2. Stainless steel heating element & build 3. Overload Relay cuts off electrical power if temperature rises to an unsafe level. 4. Hot Water Tank Insulation foam, UL approved 5. 1/2" Water inlet	FEATURES	1. Environment Friendly & Energy Efficiency Design. 2. Air cooling design. 3. Cold Water Tank Insulation foam, UL approved. 4. 1/4" Water inlet
1. Parts: Main Body; Power cord; Water Tubes; PP Fittings 2. Filter System (if applicable)	PACKAGE CONTENTS	1. Parts: Main Body; Power cord; Water Tubes; PP Fittings 2. Filter System (if applicable)
1. 6 months against Manufacturer's defects 2. 1 Year against Manufacturer's defects if installed with 'Gorani' Filter System. 3. Optional Add-On Warranty	WARRANTY	1. 6 months against Manufacturer's defects 2. 1 Year against Manufacturer's defects if installed with 'Gorani' Filter System. 3. Optional Add-On Warranty



**NILE RH:**  
Room & Hot Water**NILE CH:**  
Cold & Hot Water

'Wa' NILE water dispenser is beneficial as:

A long-term investment, SAVE money! It cuts waiting, SAVE time!

It is ideal to use at pantry, commercial kitchen & F&B establishments.

It comes with a set of Purification Water Filter System from Italy and 1 year

Warranty against manufacturer defects, extended warranty option is available!

Water filter replacement is suggested within 3 to 6 months. Good water, better life!

Contact us for more information!

WA-RH	MODEL	WA-CH
<b>PHYSICAL</b>		
Stainless Steel Room & Hot Water Dispenser	TYPE	Stainless Steel Cold & Hot Water Dispenser
8RH: 305mm(W)X290mm(D)X466mm(H) 16RH: 355mm(W)X320mm(D)X566mm(H) 25RH: 405mm(W)X350mm(D)X616mm(H)	PRODUCT DIMENSION	15CH: 440mm(W)X330mm(D)X620mm(H) 20CH: 440mm(W)X330mm(D)X820mm(H)
<b>ELECTRIC</b>		
AC220~240V 50/60Hz, 110V 50/60Hz	POWER	AC220~240V 50/60Hz, 110V 50/60Hz
Hermetic Compressor	COMPRESSOR	Hermetic Compressor
R134a	REFRIGERATION GAS	R134a
1500W~2400W (Hot)	POWER CONSUMPTION	175W (Cold) ; 2000~2400W (Hot)
<b>MECHANICAL</b>		
Room Temperature ; Hot: 98°C ~ 100°C	WATER TEMPERATURE	Cold: 4°C ~ 8°C ; Hot: 98°C ~ 100°C
Pre-Filtered Water	WATER CONNECTION	Pre-Filtered Water
Capacity: 8 Liters / Running: 15 L/hr Capacity: 16 Liters / Running: 25 L/hr Capacity: 25 Liters / Running: 45 L/hr	WATER RESERVOIR / CAPACITY (ALL STAINLESS BUILD)	Capacity: 15 Liters / Running: 25 L/hr (H); 15 L/hr (C) Capacity: 20 Liters / Running: 30 L/hr (H); 15 L/hr (C)
'Tomlinson' USA No-Drip Press Black Lever	FAUCET (COLD)	'Tomlinson' USA No-Drip Press Black Lever
'Tomlinson' USA No-Drip Press Red Lever / Child Safety Lock Lever (Optional)	FAUCET (HOT)	'Tomlinson' USA No-Drip Press Red Lever / Child Safety Lock Lever (Optional)
24 hours instantaneous	FACILITY	24 hours instantaneous
1. Boiling water keep up to 98°C ~ 100°C and doesn't lower the temperature. 2. Overload Relay cuts off electrical power if temperature rises to an unsafe level. 3. Smart control optimising user experience. 4. Withstand water feed pressure: 1-3 kg/cm 5. 1/2" Water inlet	FEATURES	1. Boiling water keep up to 98°C ~ 100°C and doesn't lower the temperature. 2. Overload Relay cuts off electrical power if temperature rises to an unsafe level. 3. Hot Water Tank Insulation foam, UL approved 4. Withstand water feed pressure: 1-3 kg/cm 5. 1/2" Water inlet
1. Parts: Main Body; Power cord; Water Tubes; PP Fittings 2. Filter System (if applicable)	PACKAGE CONTENTS	1. Parts: Main Body; Power cord; Water tray; Water Tubes; PP Fittings 2. Filter System (if applicable)
1. 6 months against Manufacturer's defects 2. 1 Year against Manufacturer's defects if installed with 'Gorani' Filter System. 3. Optional Add-On Warranty	WARRANTY	1. 6 months against Manufacturer's defects 2. 1 Year against Manufacturer's defects if installed with 'Gorani' Filter System. 3. Optional Add-On Warranty



**DANUBE WA:**  
Hot Water Only  
Comes in 8L/16L/25L.

‘Wa’ **DANUBE** Hot water boiler is beneficial as:

A long-term investment, SAVE money! It cuts waiting, SAVE time!

It is ideal to use at pantry, commercial kitchen & F&B establishments.

It comes with a set of Purification Water Filter System from Italy and 1 year

Warranty against manufacturer defects, extended warranty option is available!

Water filter replacement is suggested within 3 to 6 months. Good water, better life!

Contact us for more information!


**DANUBE WB:**  
Hot Water Only

WA	MODEL	WB
<b>PHYSICAL</b>		
Stainless Steel Hot Water Dispenser	TYPE	Stainless Steel Hot Water Dispenser
8H: 305mm(W)X290mm(D)X466mm(H) 16H: 355mm(W)X320mm(D)X566mm(H) 25H: 405mm(W)X350mm(D)X616mm(H)	PRODUCT DIMENSION	330mm(W)X210mm(D)X480mm(H)
<b>ELECTRIC</b>		
AC220~240V 50/60Hz, 110V 50/60Hz	POWER	AC220~240V 50/60Hz, 110V 50/60Hz
1500W~2400W	POWER CONSUMPTION (HOT)	1500W
<b>MECHANICAL</b>		
98°C ~ 100°C	WATER TEMPERATURE	98°C ~ 100°C
Capacity: 8 Liters / Running: 15 L/hr Capacity: 16 Liters / Running: 25 L/hr Capacity: 25 Liters / Running: 45 L/hr	WATER RESERVOIR / CAPACITY (ALL STAINLESS BUILD)	Capacity: 10 Liters / Running: 20 Liters/hour
Pre-Filtered Water	WATER CONNECTION	Pre-Filtered Water
'Tomlinson' USA No-Drip Press Red Lever / Child Safety Lock Lever (Optional)	FAUCET (HOT)	'Tomlinson' USA No-Drip Press Red Lever / Child Safety Lock Lever (Optional)
24 hours instantaneous	FACILITY	24 hours instantaneous
1. Boiling water keep up to 98°C ~ 100°C and doesn't lower the temperature. 2. Overload Relay cuts off electrical power if temperature rises to an unsafe level. 3. Smart control optimising user experience. 4. Withstand water feed pressure: 1-3 kg/cm 5. 1/2" Water inlet	FEATURES	1. Boiling water keep up to 98°C ~ 100°C and doesn't lower the temperature. 2. Overload Relay cuts off electrical power if temperature rises to an unsafe level. 3. Hot Water Tank Insulation foam, UL approved 4. Withstand water feed pressure: 1-3 kg/cm 5. 1/2" Water inlet
1. Parts: Main Body; Power cord; Water Tubes; PP Fittings 2. Filter System (if applicable)	PACKAGE CONTENTS	1. Parts: Main Body; Power cord; Water tray; Water Tubes; PP Fittings 2. Filter System (if applicable)
1. 6 months against Manufacturer's defects 2. 1 Year against Manufacturer's defects if installed with 'Gorani' Filter System. 3. Optional Add-On Warranty	WARRANTY	1. 6 months against Manufacturer's defects 2. 1 Year against Manufacturer's defects if installed with 'Gorani' Filter System. 3. Optional Add-On Warranty

# WATER SAVING



## CATALOGUE 2024

 Represents Quality and Reliable Products

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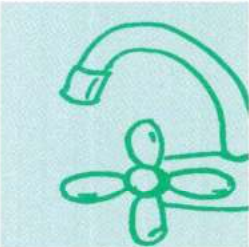

The data given in this leaflet are offered in good faith. We reserve the right to carry out any modification.







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

				
	<b>Shower</b> <i>Novolence<sup>®</sup>-Dusche</i>	<b>Tap</b> <i>Aerator Long-Life</i>	<b>WC flush</b> <i>WasserStop</i>	<b>Total</b>
Daily use per person, approx.	3 min.	21/2 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 <sup>3</sup>	12,4 m <sup>3</sup>	12 m <sup>3</sup>	44,4 m <sup>3</sup>
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.	<b>50 %</b>	<b>40 %</b>	<b>50 %</b>	
<b>Yearly water and energy savings</b>	<b>72,50 €</b>	<b>36,00 €</b>	<b>18,50 €</b>	<b>127,00 €</b>
<b>Prices for RST water-savers</b>	<b>15,00 €</b>	<b>5,00 €</b>	<b>7,50 €</b>	<b>27,50 €</b>

\* For heating 1m<sup>3</sup> water to 37°C used about 30 kWh energy.

\*\* Water and energy prices vary widely between regions. Calculation bases on 3.06 euros per m<sup>3</sup> 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.





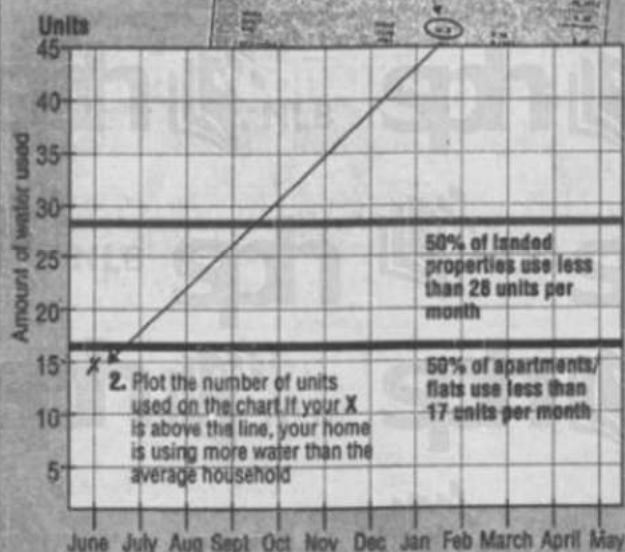
## HOME

# 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



Thomson

Source: PUB



## 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.

Thomson

## 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."





# WATER SAVER AERATOR



## 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



**Represents Quality and Reliable Products**

**WAVIN**  
WATER SOLUTIONS









## 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.

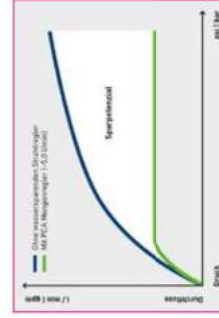
We offer a range specially developed for these requirements.



#### 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.





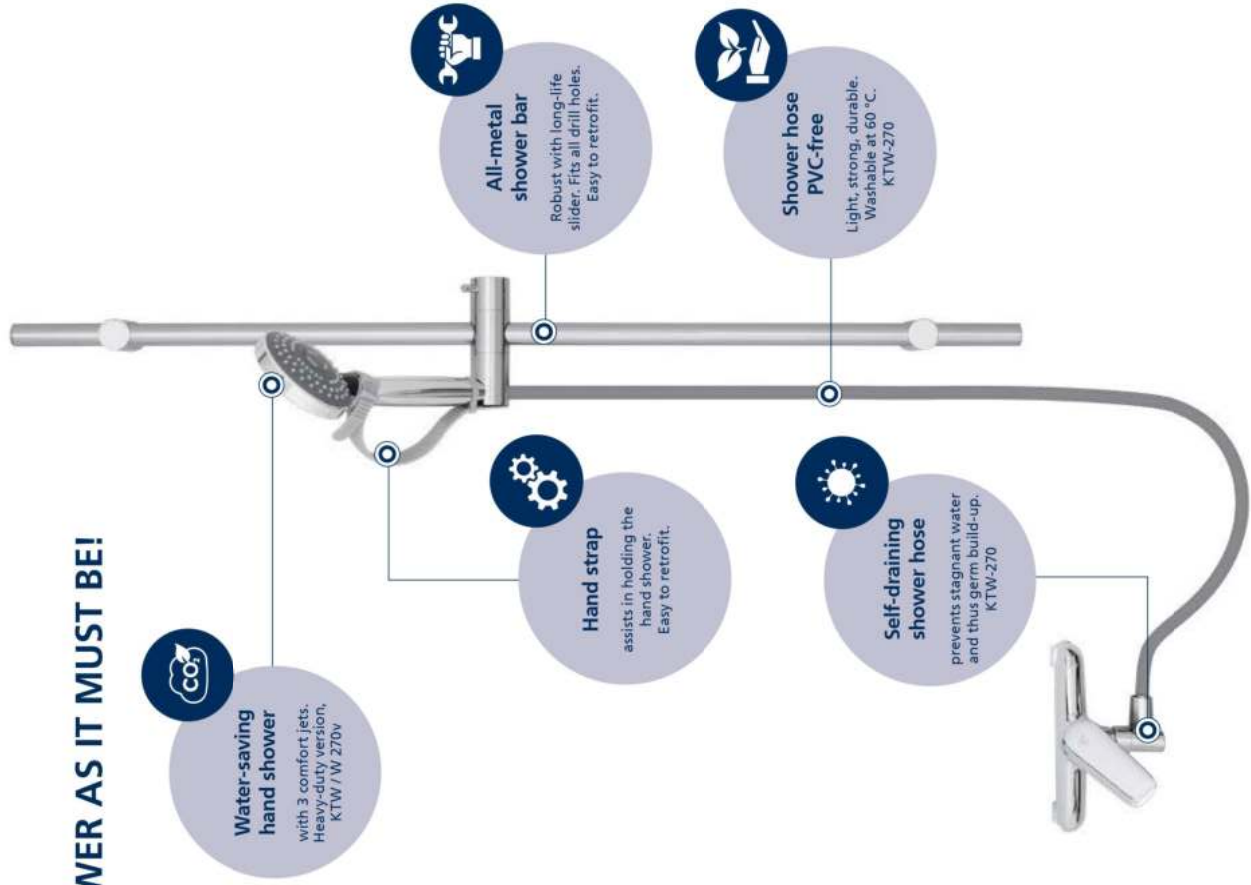


SHOWER

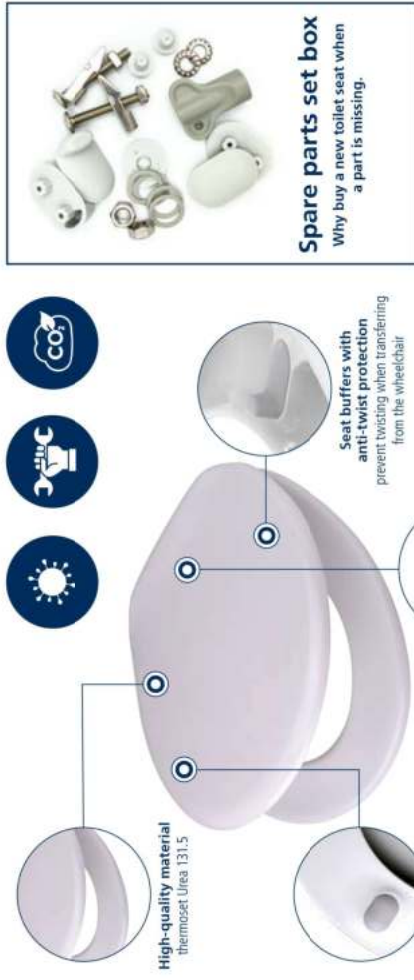


WC

## SHOWER AS IT MUST BE!



## WC SEAT WITH HIGH COMFORT



### Shower toilet seat with fresh water connection - Made in Germany

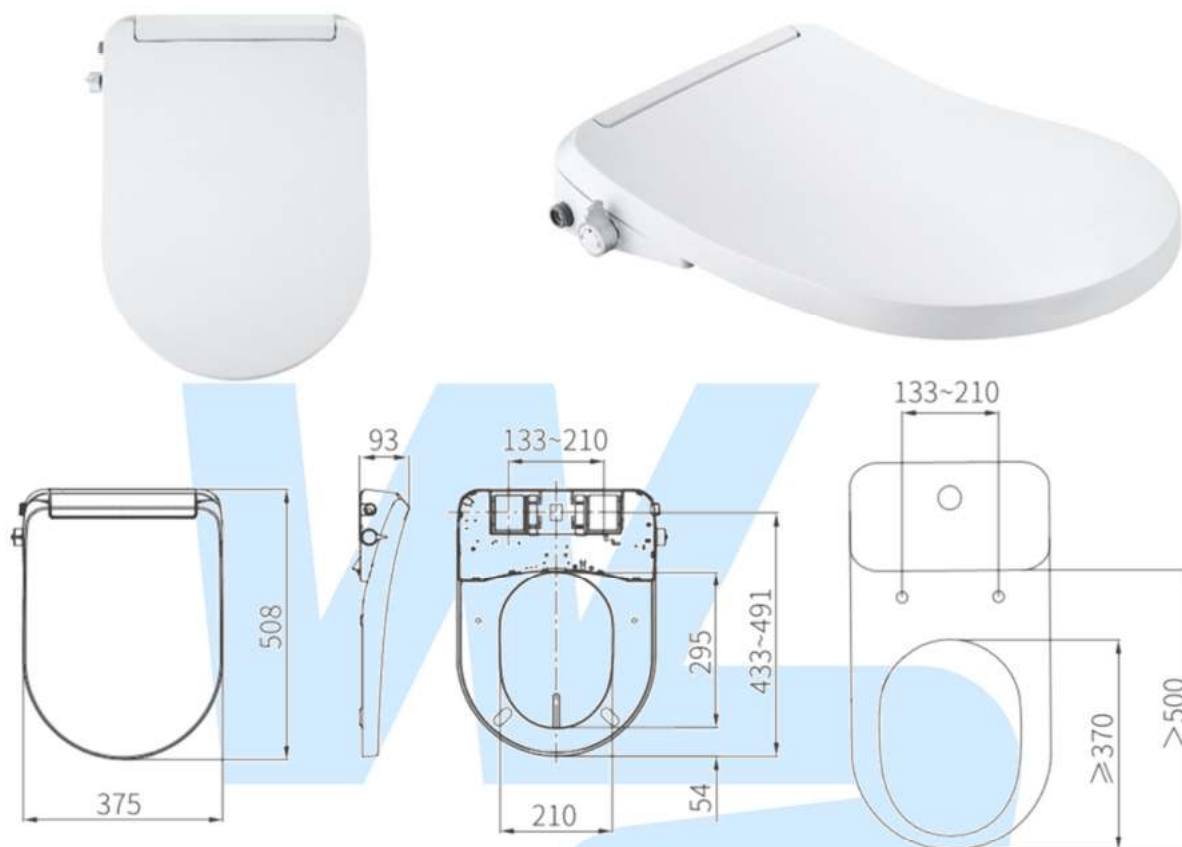
Shower toilet seat with fresh water connection, easily removable with soft-closing mechanism and bidet function. 4 point „Easy clean support“, universal fit, made of light-fast, scratch-resistant and glow-resistant Duroplast. EN 1717 approved!



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:

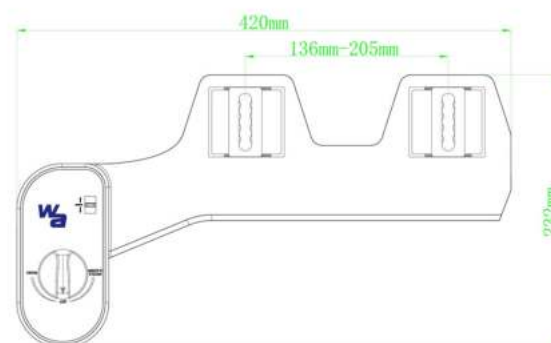
1. **Posterior Wash**
  - Nozzle sprays a stream of warm water from its tip washing the posterior automatically.
  - Feel incredibly gentle and comfortable as it cleans the posterior.
2. **Feminine Wash**
  - Extendable and rotatable nozzle extends and washes women's parts.
  - Comfortable and preserves 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):

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 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.



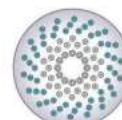
*Enjoy  
watersaving.*



Hail storm



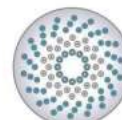
Downpour



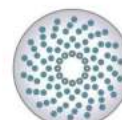
Shower



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:

<b>scope of delivery</b>	1x gasket 19 x 13 x 2 mm EPDM 1x gasket 18,5 x 12 x 1,5 mm fiber composite
<b>Tests &amp; Standards</b>	complies with the requirements of TrinkwV
<b>guarantee</b>	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.

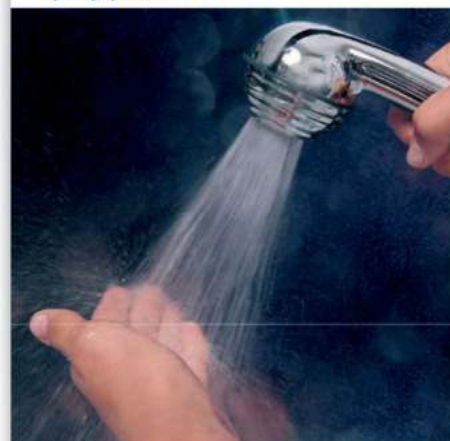
The Novolence® shower head has three accurately calculated orifice outlets. That makes the »Novolence Shower Head« insensitive against limescale and blockage. This construction ensures that the water jet is mixed with much oxygen, also at low pressure, and makes the jet very comfortable and smooth so 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:



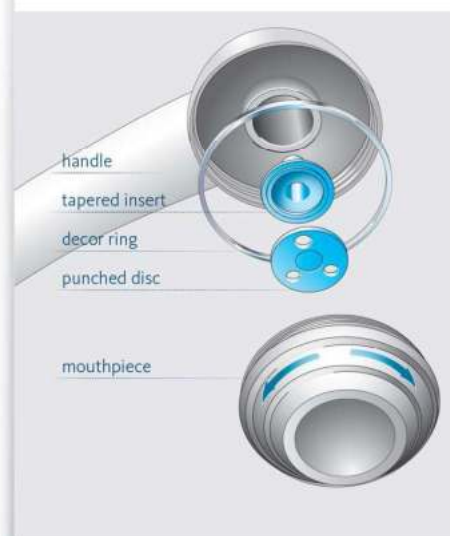
### Flow volume:

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:

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

DIN EN ISO 9001 certified by





Profilence VP



Profilence Fix



*Enjoy  
saving water.*

## 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.

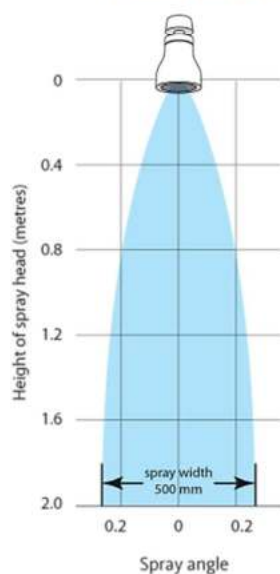
### **What is isoflow?**

**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.

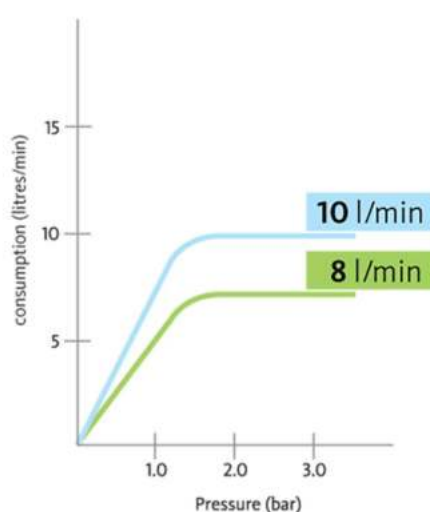


## Profilence® VP & Fix Water saving shower head

**Graph 1** Spray pattern at a pressure of 3 bar:



**Graph 2** Water consumption at varying pressure:



### Optimal performance:

The Profilence® 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 Profilence® 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	Profilence Fix	7, 8 or 10 l/min available
161xx	Profilence VP	7, 8 or 10 l/min available
9138	Bow "mammut", brass	
9920	Service kit	

The Profilence® 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



**Profilence Fix**  
162xx

**Profilence VP**  
161xx



### Technical Specifications:

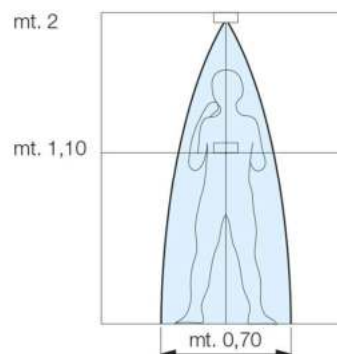
<b>Materials</b>	Body: unleaded brass, polished and chromed Disc: POM, EPDM / unleaded brass Gasket: EPDM with KTW-approval
<b>Adjustment angle</b>	26 degrees
<b>Thread</b>	G 1/2
<b>Total length</b>	162xx: 75.5 mm 161xx: 59.5 mm
<b>Weight</b>	162xx: 204 g 161xx: 176 g
<b>Guarantee</b>	1 year



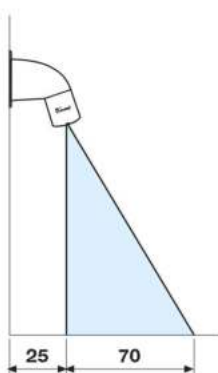
# SOFFIONI DOCCIA PER COMUNITÀ IN OTTONE FUSO

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.*

## ■ 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.*



R 792  
Orientabile  
*Rotary shower*



R 799  
Brevettato  
orientabile  
*Patented  
rotary shower*

## ■ 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



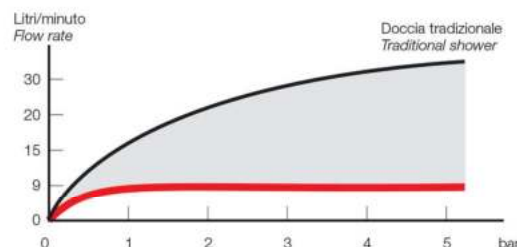
R 798  
braccio doccia in ottone fuso e soffione orientabile  
*shower head in fused brass with rotary shower*



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



E2610/5

- 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*

Maniglia per la scelta della temperatura  
*Temperature adjusting handle*



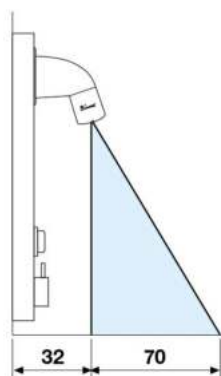
**PANNELLI DOCCIA ANTIVANDALO IN ACCIAIO INOX PREMONTATI CON COMANDO ELETTRONICO PRONTI PER L'INSTALLAZIONE**

*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

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

## **Test Method:**

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

PUB requirements for Constant Flowrate Regulator



PSB Singapore



Durchflusskonstanthalter | *Constant Flow Regulator*



# MINICASTOR

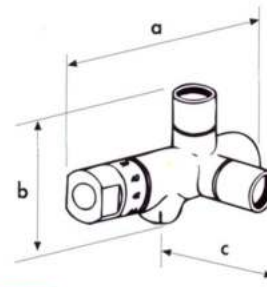
## MISCELATORE TERMOSTATICO Ø 3/4"

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



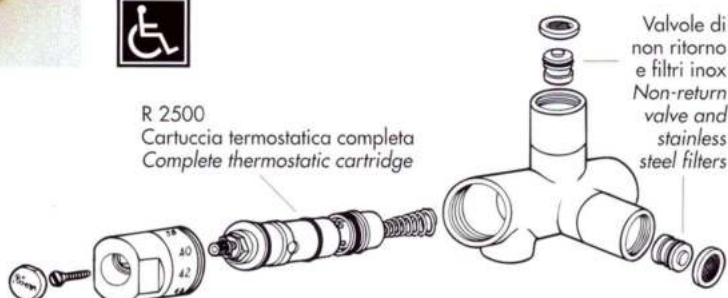
**Sicurissimo  
ed economico**  
**Very safe  
and economical**

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

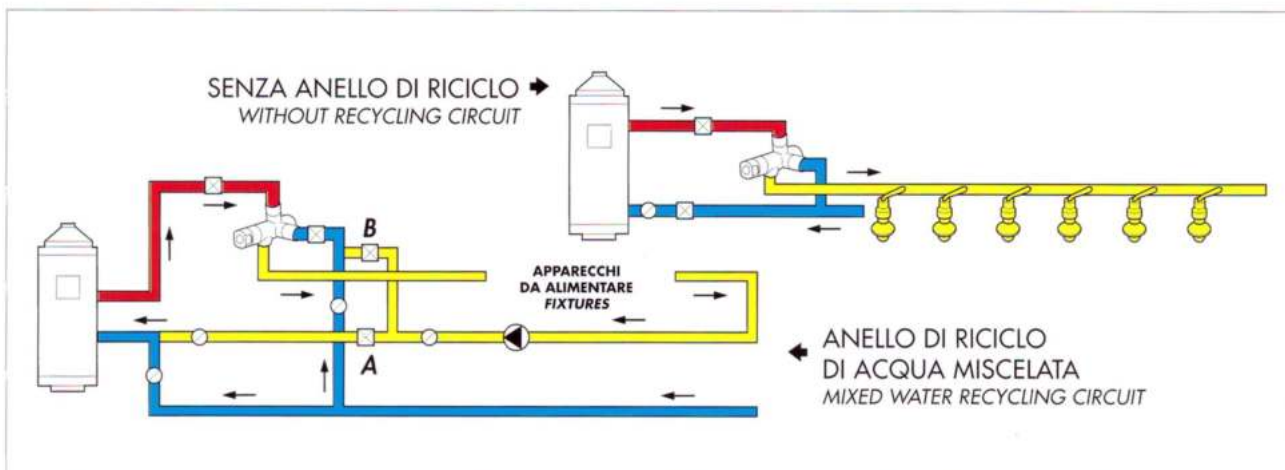


R 2500  
Cartuccia termostatica completa  
Complete thermostatic cartridge



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 anziane, 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

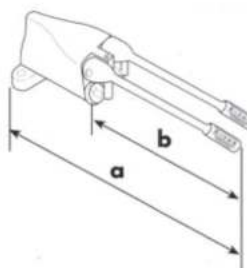
### PEDAL OPERATED MIXERS RANGE 283 PLUS

- 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

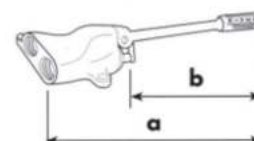
Legge n. 283 - D.P.R. n. 327 art. 28 - sistema HACCP D.L. n. 155/97 - Dir. CEE 93/43

### 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

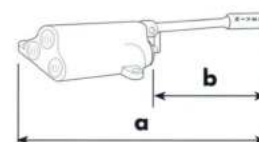


# MISCELATORI A PEDALE SERIE 283 PLUS

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



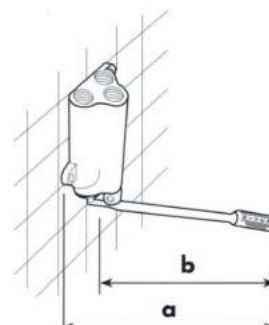
R 570 283 miscelatore a pavimento  
floor mixer

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**

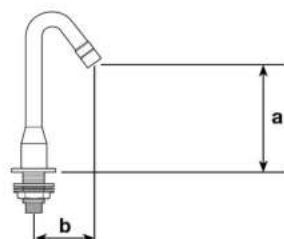
Legge n. 10/91 risparmio di energia  
Legge n. 36/94 risorse idriche

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*

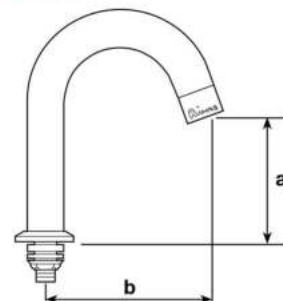


COD.	mm a	mm b
R 597 283	140	100
R 598 283	150	100

R 598 orientabile  
*Swivel*



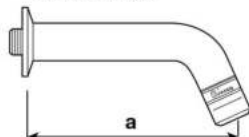
R 582  
Fissa Ø 28  
consumo 7 litri/minuto  
*Fixed*



COD.	mm a	mm b
R 582 283	90	135



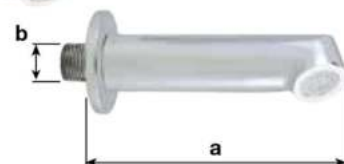
R 583  
Fissa a parete Ø 28  
*Wall installation*



COD.	mm a	mm b
R 583 283	155	-



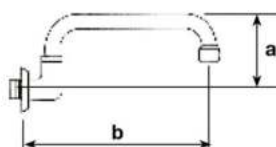
R 585 283  
Bocca fissa fusa Ø 30  
*Swivel*



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



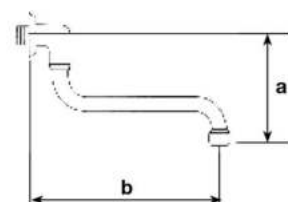
R 591 283  
Orientabile a parete  
*Swivel*



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



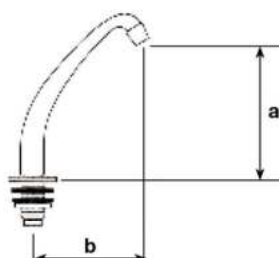
R 592 283  
Orientabile a parete  
*Swivel*



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



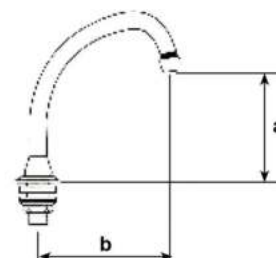
R500/2  
Orientabile  
*Swivel*



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



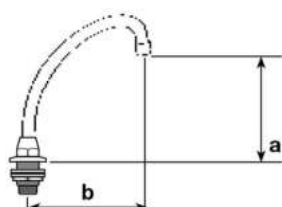
800 02  
Orientabile  
Swivel



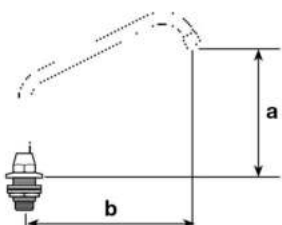
800 02/8  
Orientabile  
Swivel

## BOCCHE DI EROGAZIONE ALTE SENZA ECONOMIZZATORE

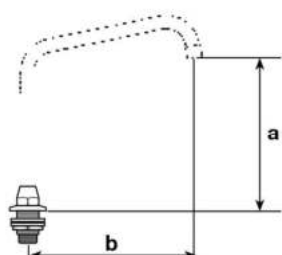
HIGH SWIVEL SPOUTS WITHOUT ECONOMIZER



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



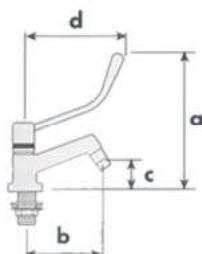
D.M. 236/89 - D.P.R. 503/96

## 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 horizontally. Mounted with stainless steel flexible piping for washbasin displacement



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

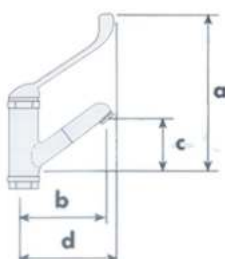
- R 2533 Maniglia con leva  
Lever handle
- R 2535 Vitone speciale ultrarapido  
Special, ultra-quick head valve
- R 2577 Corpo di miscela  
Body mixer
- R 2536 Pistone acqua fredda con molla inox  
Cold water piston with stainless steel spring
- R 2544 Sede di tenuta acqua calda  
Hot water seal seat
- 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

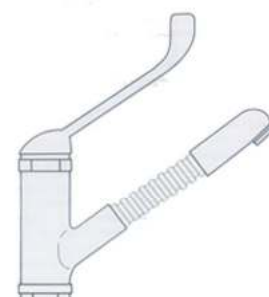
- scarico lavabo con comando facilitato lunghezza della leva mm. 340
- washbasin trap with lever operated mm. 340



- 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



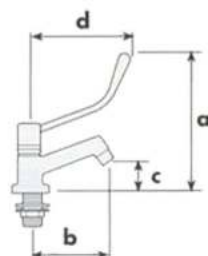
D.M. 236/89 - D.P.R. 503/96

## LEVER OPERATED TAPS

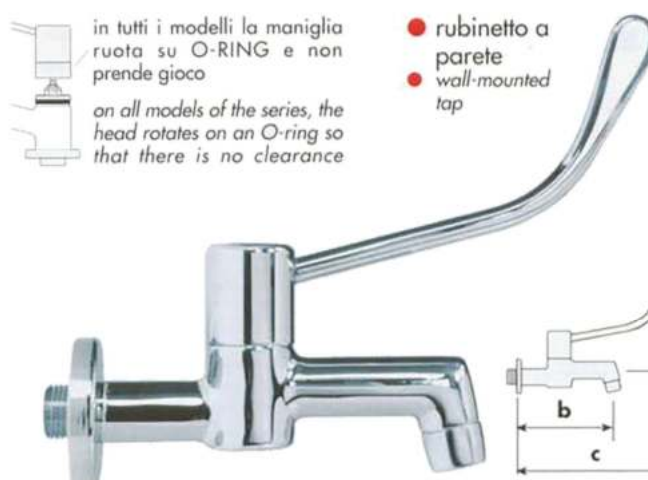


- rubinetto lavabo
- washbasin tap

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

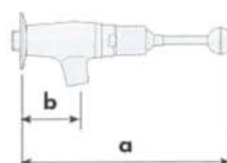
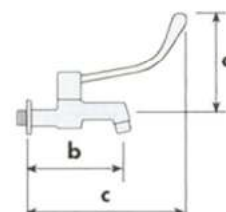


in tutti i modelli la maniglia ruota su O-RING e non prende gioco  
 on all models of the series, the head rotates on an O-ring so that there is no clearance



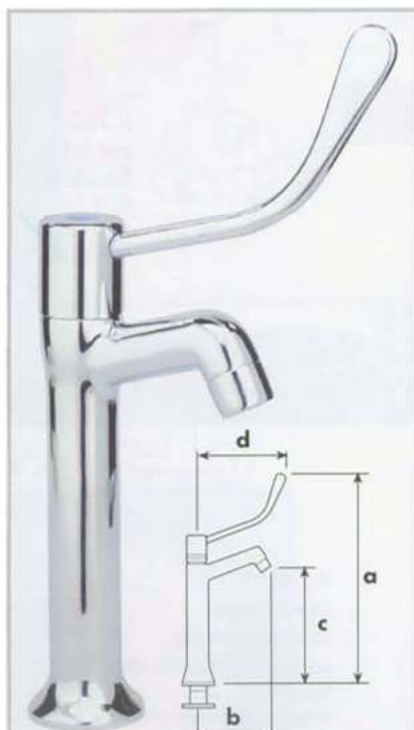
- rubinetto a parete
- wall-mounted tap

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

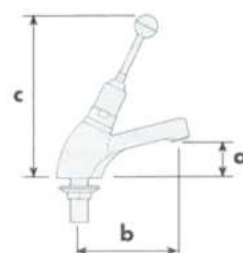


COD.	mm a	mm b	mm c	mm d
R 506	300	82	140	140

- 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







# 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.

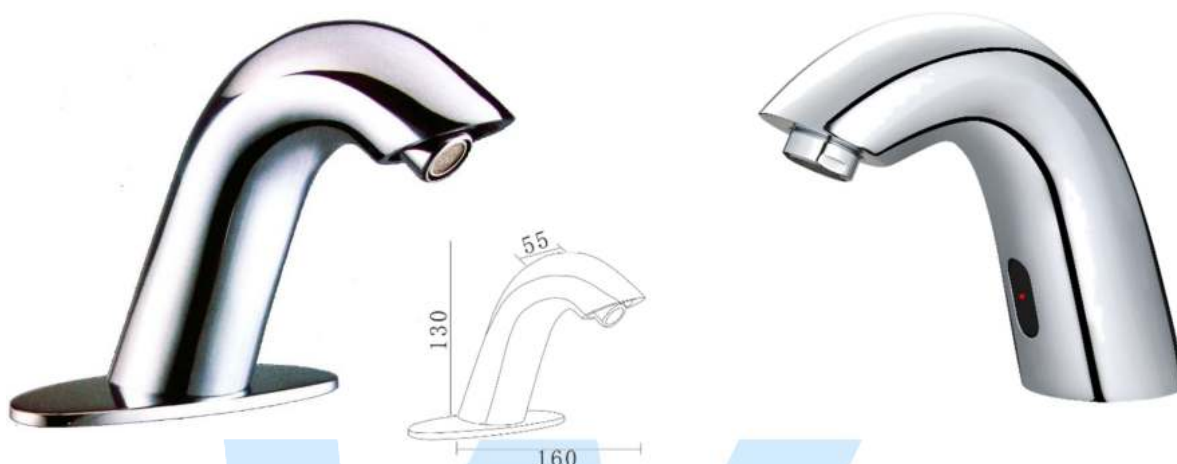
With its automatic sensor technology, water is released when hands are placed under the nozzle and stops immediately when hands are removed. This makes for a convenient and hassle-free experience, while also ensuring maximum hygiene.

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.

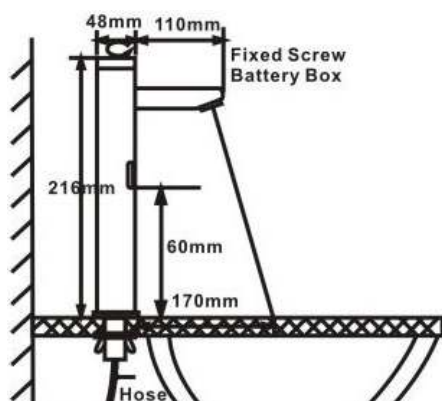
With the DC model, you can enjoy the convenience of battery-operated operation using just 4 AA batteries. And, with the water saver aerator, you can reduce water consumption and help protect the environment while still enjoying a comfortable and efficient washroom experience.

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.





# 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.

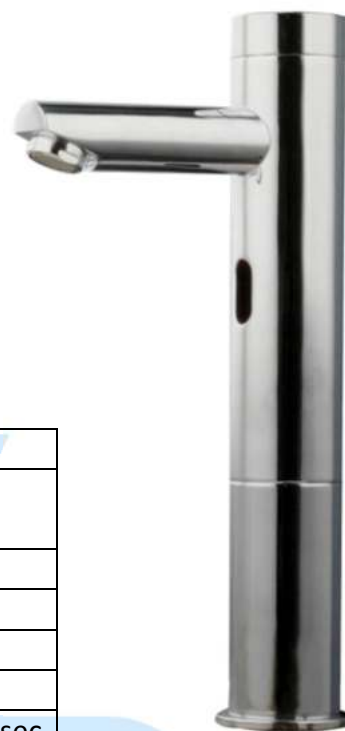
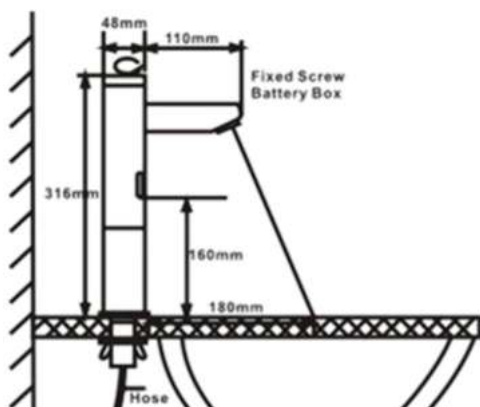
Featuring advanced sensor technology, this tap allows for hands-free operation, minimizing contact with germs and bacteria. Made from durable solid brass and finished with a stylish chrome plating, this tap has undergone rigorous testing, including 200,000 cycles of continuous operation, and meets PUB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

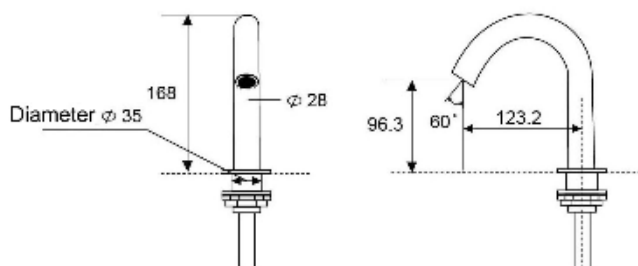
Featuring advanced sensor technology, this tap allows for hands-free operation, minimizing contact with germs and bacteria. Made from durable solid brass and finished with a stylish chrome plating, this tap has undergone rigorous testing, including 200,000 cycles of continuous operation, and meets PUB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

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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 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.

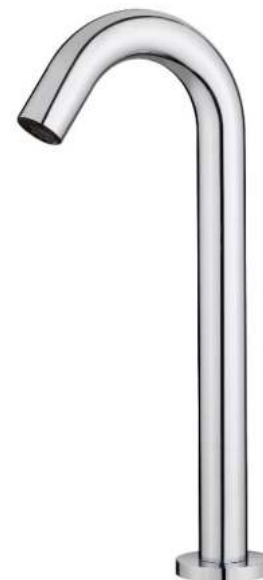
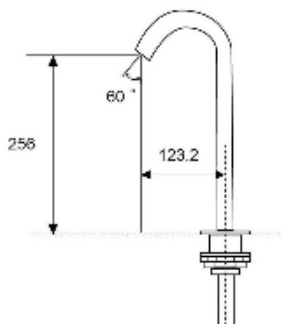
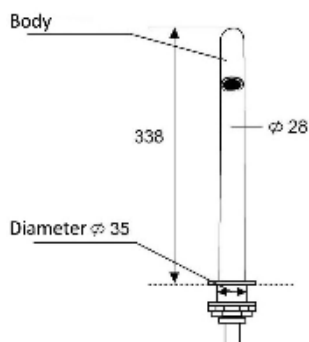
The DC model is battery-operated, using just 4 AA batteries for energy-efficient performance. Plus, the water saver aerator helps to reduce water consumption without sacrificing water pressure or performance.

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



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MWELS	BST-2009/002161	BST-2009/002161
Registration No.	1.8Litres (3 tick)	1.8Litres (3 tick)

Design: TE

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.

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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 Registration No.	BST-2009/002161 1.8Litres (3 tick)	BST-2009/002161 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.**



# VALVES & FITTINGS



## CATALOGUE 2024

 Represents Quality and Reliable Products

**WAVIN** TECHNOLOGY PTE LTD

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Tel: 6294 7877 Fax: 6294 9315

Website: [www.wavin.com.sg](http://www.wavin.com.sg) E-Mail: [sales@wavin.com.sg](mailto:sales@wavin.com.sg)

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





15 S/S

### Stainless Steel Flexible Hose with Hexagonal Nut

Body: **Stainless Steel**  
Material: Brass Nut  
Nut Size: ½" F x ½" F  
Specification Standard: AS/NZS & SS Standards  
Max. Temp.: 60°C



	10"	12"	14"	16"	18"	24"
H (cm) Ø	25	30	35	40	45	60



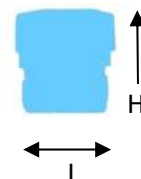
PSB Singapore



CFR-I

### Constant Flow Regulator – In-Line

Body: **Gunmetal & Brass**  
Flow Limiter: **Polymer/NBR**  
Size: ½" M x ½" F  
Usage: 2, 4, 6, 8 & 12 litre/per minute  
Specification Standard: BS & SS Standards  
Max. Temp. /Pressure: 90°C / 16 Bar



	½"
L (mm)	23
H (mm)	24



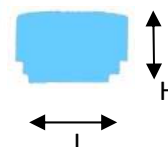
PSB Singapore



CFR-T

### Constant Flow Regulator – Terminal

Body: **Gunmetal & Brass**  
Flow Limiter: **Polymer/NBR**  
Size: M24 x 1, M22 x 1  
Usage: 2, 4, 6, 8 & 12 litre/per minute  
Specification Standard: BS & SS Standards  
Max. Temp. /Pressure: 90°C / 16 Bar



	½" (12 L only)	½"
L (mm)	24	26
H (mm)	15	15



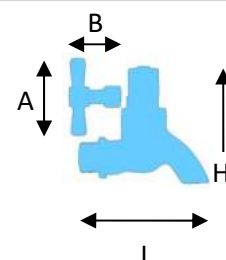
PSB Singapore



33-8-T

### Garden Tap with Detachable 'T' Handle

Body: **Brass (Chrome-Plated)**  
Handle: Detachable 'T'  
Specification Standard: SS Standards  
Max. Temp.: 90°C



	½"
L (mm)	86
H (mm)	78
A (mm)	50
B (mm)	38



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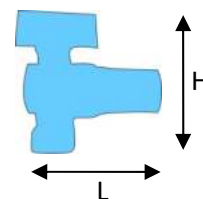


3

### Angle Ball Valve - MXM

Body: **Brass**  
 Seal Seat: **PTFE**  
 Lever: Metal/ Plastic Nickel Plated  
 Specification Standard: BS1010, SS75  
 Working Pressure: 16 Bar  
 Max. Temperature: 90°C

	½"
L (mm)	67
H (mm)	62



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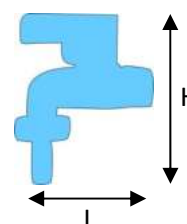


13

### Hose Union Ball Bibcock with Short Lever

Body: **Nickel Plated Brass**  
 Seal Seat: PTFE  
 Lever: Metal/ Plastic  
 Specification Standard: BS & SS Standards  
 Working Pressure: 20 Bar  
 Max. Temperature: 100°C Water

	½"
L (mm)	72
H (mm)	80



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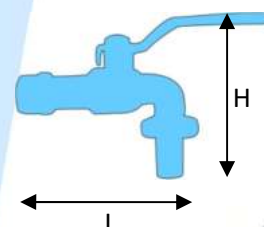


13L

### Hose Union Ball Bibcock with Lever

Body: **Nickel Plated Brass**  
 Seal Seat: PTFE  
 Lever: Metal  
 Specification Standard: BS & SS Standards  
 Working Pressure: 20 Bar  
 Max. Temperature: 100°C Water

	½"
L (mm)	130
H (mm)	82



PSB Singapore

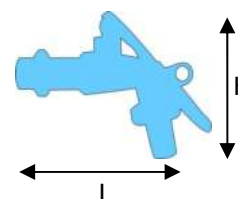


13LL

### Hose Union Ball Bibcock with Lockable Lever

Body: **Nickel Plated Brass**  
 Seal Seat: PTFE  
 Lever: Metal  
 Specification Standard: BS & SS Standards  
 Working Pressure: 20 Bar  
 Max. Temperature: 100°C Water

	½"
L (mm)	140
H (mm)	85



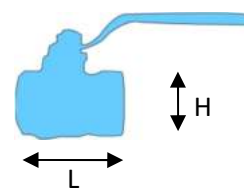
PSB Singapore

### PN30 Full Bore Ball Valve FXF with Lever



11

Body: **Brass**  
Cap: **Brass**  
Thread: BSP Thread. Other on request.  
Application: Water, Gas, Oil, Air, Steam etc.  
Specification Standard: BS1010, BS1552, SS75  
Working Pressure: PN25 (365 PSI W.O.G)  
Max. Temperature: 90°C



	½"	¾"	1"	1¼"	1½"	2"	2½"	3"	4"
L (mm)	48	52	60	72	80	95	126	150	76
H (mm)	15	20	25	32	40	50	63	80	100

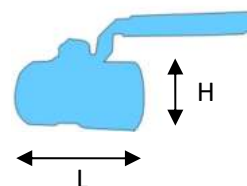


### Reduce Ball Valve FXF with Lever



11SSR

Body: **Stainless Steel 316**  
Cap: **Stainless Steel**  
Thread: BSPT, NPT, other on request.  
Application: Water, Gas, Oil, Air, Steam etc.  
Specification Standard: BS1010, SS75  
Working Pressure: 800 psi W.O.G  
Max. Temperature: 90°C



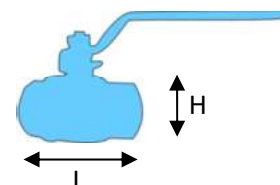
	½"	¾"	1"	1¼"	1½"	2"
L (mm)	57	60	71	78	83	100
H (mm)	15	20	25	32	40	50

### Full Bore Ball Valve FXF with Lever



11SS

Body: **Stainless Steel 316**  
Cap: **Stainless Steel**  
Thread: BSPT, NPT, other on request.  
Application: Water, Gas, Oil, Air, Steam etc.  
Specification Standard: BS & SS Standards  
Working Pressure: 1000 psi W.O.G  
Max. Temperature: 90°C



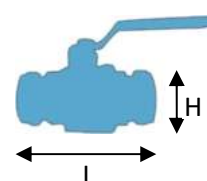
	½"	¾"	1"	1¼"	1½"	2"	3"
L (mm)	64	75	87	100	108	134	185
H (mm)	15	20	25	32	40	50	76

### PN40 Full Bore Ball Valve CXC with Lever



17

Body: **Bronze/DZR**  
Cap: **Bronze/DZR**  
Thread: BSP Thread. Other on request.  
Application: Water, Gas, Oil, Air, Steam etc.  
Specification Standard: BS & SS Standards  
Working Pressure: PN40 (600 psi W.O.G)  
Max. Temperature: 90°C



	1½"
L (mm)	131
H (mm)	116



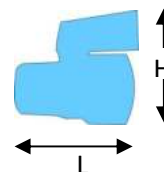


**15DZR**

### Mini Ball Valve FXM with Chrome Handle

Body: **DZR CW602N**  
 Seal Seat: **PTFE**  
 Specification Standard: **BS & SS Standards**  
 Working Pressure: **20 Bar**  
 Max. Temperature: **90°C**

	½"	¾"	1"
L (mm)	43	51	62
H (mm)	45	46	55



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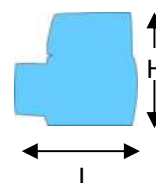


**15CR**

### Mini Ball Valve CR CP FXM with Chrome Handle

Body: **DZR CW602N**  
 Seal Seat: **PTFE**  
 Specification Standard: **BS & SS Standards**  
 Working Pressure: **20 Bar**  
 Max. Temperature: **90°C**

	½"	¾"	1"
L (mm)	43	51	62
H (mm)	42	46	55



PSB Singapore



**80S**

### PN10 PVC Standard Ball Valve - Socket/Union End

Body: **PVC**  
 Cap: **PVC**  
 Thread: **BSP Thread. Other on request.**  
 Application: **Water**  
 Working Pressure: **PN10 (150 PSI)**  
 Max. Temperature: **60°C**

	½"	¾"	1"	1 ¼"	1 ½"	2"
L (mm)	76	83	110	119	141	160
H (mm)	61	74	92	104	114	134



PSB Singapore



**80S**

### PN10 PVC Assembly Ball Valve - Socket

Body: **PVC**  
 Cap: **PVC**  
 Thread: **BSP Thread. Other on request.**  
 Application: **Water**  
 Working Pressure: **PN10 (150 PSI)**  
 Max. Temperature: **60°C**

Sizes	2 ½"	3"	4"	6"
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PSB Singapore



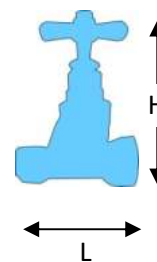


**360GM**

### Stopcock FFX, BSP Thread

Body: **Gunmetal**  
Stem: **Brass**  
Washer: **NBR Rubber**  
Packing Nut: **Brass**  
Handle: **'T' or Hand Wheel**  
Specification Standard: **BS & SS Standards**  
Max. Temperature: **90°C**

	½"	¾"	1"
L (mm)	70	86	105
H (mm)	105	127	145



PSB Singapore

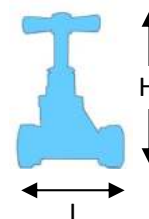


**360DZR**

### Stopcock FFX, BSP Thread

Body: **DZR Brass CW602N**  
Stem: **Brass**  
Washer: **NBR Rubber**  
Working Pressure: **0.5 – 20 Bar**  
Specification Standard: **BS & SS Standards**  
Max. Temperature: **90°C**

	½"	¾"
L (mm)	70	78
H (mm)	100	110



PSB Singapore

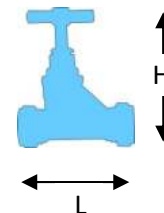


**361DZR**

### Stopcock Compression End (CE) x CE, BSP Thread

Body: **DZR Brass CW602N**  
Stem: **Brass**  
Washer: **NBR Rubber**  
Working Pressure: **0.5 – 20 Bar.**  
Specification Standard: **BS & SS Standards**  
Max. Temperature: **90°C**

	½" (15mm)	¾" (22mm)
L (mm)	78	90
H (mm)	100	110



PSB Singapore

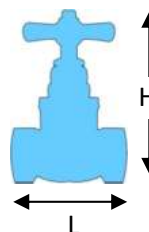


**364GM**

### Stopcock FFX, BSP Thread

Body: **Gunmetal**  
Stem: **Brass**  
Thread: **BSP Thread.**  
Working Pressure: **0.5 – 20 Bar.**  
Specification Standard: **BS & SS Standards**  
Max. Temperature: **90°C**

	¾"	1"	1¼"
L (mm)	68	90	105
H (mm)	115	150	160



PSB Singapore

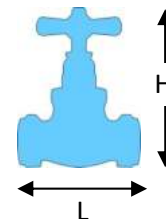


**365GM**

### Stopcock Compression End (CE) x CE, BSP Thread

Body: **Gunmetal**  
Stem: **Brass**  
Thread: **BSP Thread.**  
Working Pressure: 0.5 – 20 Bar.  
Specification Standard: BS & SS Standards  
Max. Temperature: 90°C

	¾" (22mm)	1" (28mm)	1 ¼" (35mm)
L (mm)	87	102	120
H (mm)	115	150	160

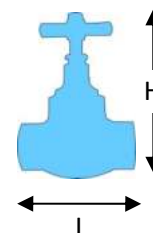


**366GM**

### Stopcock CXC Soldering Ends (MBL), BSP Thread

Body: **Gunmetal**  
Stem: **Brass**  
Thread: **BSP Thread.**  
Working Pressure: 0.5 – 20 Bar.  
Specification Standard: BS & SS Standards  
Max. Temperature: 90°C

	½"	¾"	1"	1 ¼"
L (mm)	70	74	92	100
H (mm)	105	110	140	155



**371GM**

### Stopcock FXCE, BSP Thread

Body: **Gunmetal**  
Stem: **Brass**  
Thread: **BSP Thread.**  
Working Pressure: 0.5 – 20 Bar.  
Specification Standard: BS & SS Standards  
Max. Temperature: 90°C

	½"	¾"
L (mm)	72	75
H (mm)	115	115



**373GM**

### Stopcock MBL x F, BSP Thread

Body: **Gunmetal**  
Stem: **Brass**  
Washer: **NBR Rubber**  
Packing Nut: **Brass**  
Specification Standard: BS & SS Standards  
Max. Temperature: 90°C

	½"
L (mm)	70
H (mm)	107

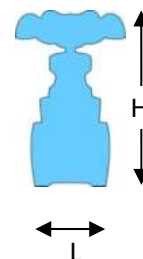



**35M**

### Gate Valve FXF to BS 5154

Body: **Bronze**  
 Stem: **Brass**  
 Washer: **NBR Rubber**  
 Packing Nut: **Brass**  
 Handle: **Hand Wheel**  
 Specification Standard: **BS Standards**  
 Max. Temperature: **90°C**

	½"	¾"	1"	1¼"	1½"	2"
L (mm)	40	44	46	50	55	58
H (mm)	82	93	100	116	136	162



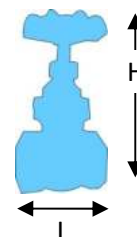
PSB Singapore


**35**

### Gate Valve FXF to BS 5154

Body: **Bronze**  
 Stem: **Brass**  
 Washer: **NBR Rubber**  
 Packing Nut: **Brass**  
 Handle: **Hand Wheel**  
 Specification Standard: **BS Standards**  
 Max. Temperature: **90°C**

	½"	¾"	1"	1¼"	1½"	2"	2½"	3"	4"
L (mm)	44	49	55	60	61	69	88	97	119
H (mm)	73	85	97	112	127	146	189	221	263



PSB Singapore


**36**

### Gate Valve CXC Soldering Ends (MBL) to BS 5154

Body: **Bronze**  
 Stem: **Brass**  
 Washer: **NBR Rubber**  
 Packing Nut: **Brass**  
 Handle: **Hand Wheel**  
 Specification Standard: **BS Standards**  
 Max. Temperature: **90°C**

	½" (15mm)	¾" (22mm)	1" (28mm)	1¼" (35mm)	1½" (42mm)	2" (54mm)
L (mm)	52	63	72	78	86	107
H (mm)	73	84	98	112	128	146



PSB Singapore


**37**

### Gate Valve CXC Compression Ends to BS 5154

Body: **Bronze**  
 Stem: **Brass**  
 Washer: **NBR Rubber**  
 Packing Nut: **Brass**  
 Handle: **Hand Wheel**  
 Specification Standard: **BS Standards**  
 Max. Temperature: **90°C**

	½" (15mm)	¾" (22mm)	1" (28mm)	1¼" (35mm)	1½" (42mm)	2" (54mm)
L (mm)	64	75	87	100	107	117
(mm)	73	84	98	112	128	146



PSB Singapore



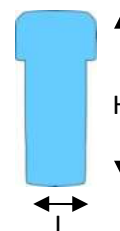


**39GM**

### Horizontal/Vertical Dual-Check Spring-Loaded Non-Return Valve FXM

Body: **Bronze**  
 Seal Seat: NBR Rubber  
 Spring: Stainless Steel 304  
 Seat Valve: Polymer Material  
 Specification Standard: BS Standards  
 Working Pressure: 0.5 bar up to 16 bar  
 Max. Temperature: 90°C

	½"	¾"	1"
L (mm)	30	37	45
H (mm)	58	72	88



PSB Singapore



**39MM**

### Horizontal/Vertical Dual-Check Spring-Loaded Non-Return Valve MXM

Body: **CR Brass**  
 Seal Seat: NBR Rubber  
 Spring: Stainless Steel 304  
 Seat Valve: Polymer Material  
 Specification Standard: BS Standards  
 Working Pressure: 0.1 bar up to 16 bar  
 Max. Temperature: 90°C

	¾"
L (mm)	30
H (mm)	63



PSB Singapore

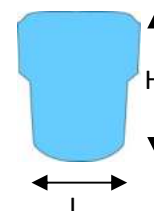


**46GM**

### Horizontal/Vertical Spring-Loaded Non-Return Valve FXM

Body: **Bronze**  
 Seal Seat: NBR Rubber  
 Spring: Stainless Steel 304  
 Seat Valve: Polymer Material  
 Specification Standard: BS & SS Standards  
 Working Pressure: 0.5 bar up to 16 bar  
 Max. Temperature: 90°C

	½"	¾"	1"	1¼"	1½"	2"
L (mm)	30	35	45	55	64	76
H (mm)	36	39	51	62	70	72



PSB Singapore

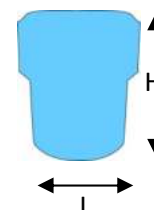


**46B**

### Horizontal/Vertical Spring-Loaded Non-Return Valve FXM

Body: **Brass**  
 Seal Seat: NBR Rubber  
 Spring: Stainless Steel 304  
 Seat Valve: Polymer Material  
 Specification Standard: BS & SS Standards  
 Working Pressure: 0.5 bar up to 16 bar  
 Max. Temperature: 90°C

	½"	¾"	1"
L (mm)	30	35	45
H (mm)	36	39	51



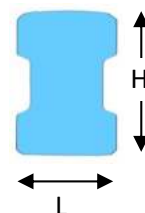
PSB Singapore



**46FF**

### Horizontal/Vertical Spring-Loaded Non-Return Valve FXF

Body: **Bronze/DZR**  
 Seal Seat: NBR Rubber  
 Spring: Stainless Steel 304  
 Seat Valve: Polymer Material  
 Specification Standard: BS & SS Standards  
 Working Pressure: 0.5 bar up to 16 bar  
 Max. Temperature: 90°C



	½"	¾"	1"	1¼"	1½"	2"
L (mm)	30	35	45	55	70	76
H (mm)	45	50	65	75	85	95



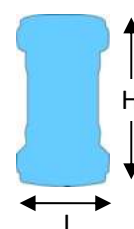
PSB Singapore



**47**

### Horizontal/Vertical Spring-Loaded Non-Return Valve CXC

Body: **Bronze**  
 Seal Seat: NBR Rubber  
 Spring: Stainless Steel 304  
 Seat Valve: Polymer Material  
 Specification Standard: BS & SS Standards  
 Working Pressure: 0.5 bar up to 16 bar  
 Max. Temperature: 90°C



	½"	¾"	1"	1¼"	1½"	2"
L (mm)	36	39	51	62	70	72
H (mm)	55	60	75	105	120	135



PSB Singapore



**52GM**

### Horizontal/Vertical Spring-Loaded Non-Return Valve CXC

Body: **Bronze**  
 Seal Seat: NBR Rubber  
 Spring: Stainless Steel 304  
 Seat Valve: Polymer Material  
 Specification Standard: BS & SS Standards  
 Working Pressure: 0.5 bar up to 16 bar  
 Max. Temperature: 90°C



	42mm (1½")
L (mm)	115
H (mm)	70



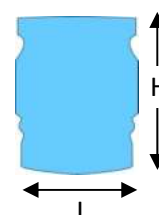
PSB Singapore



**146GM**

### Horizontal/Vertical Spring-Loaded Non-Return Valve FXF

Body: **Bronze**  
 Seal Seat: NBR Rubber  
 Spring: Stainless Steel 304  
 Seat Valve: Polymer Material  
 Specification Standard: BS & SS Standards  
 Working Pressure: 0.5 bar up to 16 bar  
 Max. Temperature: 90°C



	2 ½"
L (mm)	113
H (mm)	98

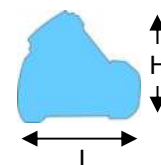


PSB Singapore


**62GM**

### Y-Pattern Strainer

Body: **Bronze/Gunmetal**  
 Filter: **S/S 304**  
 Specification Standard: **BS & SS Standards**  
 Working Pressure: **0.5 bar up to 20 bar**  
 Max. Temperature: **90°C**



	½"	¾"	1"	1 ¼"	1 ½"	2"	2 ½"	3"	4"
L (mm)	58	66	76	92	105	125	165	170	225
H (mm)	50	64	70	90	104	130	170	190	250


**59**

### Anti-Vacuum Relief Valve

Body: **Gunmetal**  
 Cap: **Brass**  
 Installation Instruction: **Strictly upright position**  
 Specification Standard: **BS Standards**  
 Working Pressure: **16 bar**  
 Max. Temperature: **90°C**

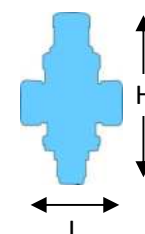
	½"
L (mm)	42.5
H (mm)	70


**133**

### Pressure Reducing Valve

Body: **Brass**  
 Thread: **BSP Thread.**  
 Application: **Water and Air**  
 Specification Standard: **NF standards**  
 Max. Working Pressure: **16 Bar**  
 Outlet Pressure Setting: **1 to 6 Bar. Preset at 3 Bar.**  
 Max. Temperature: **80°C Water and 70°C Air**

	½"
L (mm)	60
H (mm)	105


**131**

### Automatic Air Vent

Body: **Brass**  
 Thread: **BSP Thread**  
 Working Pressure: **10 bar**  
 Max. Temperature: **110°C**  
 For inlet need, ¾" & 1" you can ask for Reducers sizes:  
 ½" F x ¾" M, ½" F x 1" M

	½"
L (mm)	45
H (mm)	70



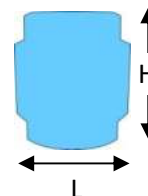


## Horizontal/Vertical Spring-Loaded Non-Return Valve FXF



146

**Body:** Brass  
**Seal Seat:** NBR Rubber  
**Spring:** Stainless Steel 304  
**Seat Valve:** Polymer Material  
**Specification Standard:** BS & SS Standards  
**Working Pressure:** 0.5 bar up to 16 bar  
**Max. Temperature:** 90°C



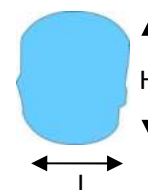
	½"	¾"	1"	1¼"	1½"	2"
L (mm)	34	42	51	61	72	88
H (mm)	51	57	67	75	82	95

## Horizontal/Vertical Spring-Loaded Non-Return Valve MXM



48GM

**Body:** Bronze  
**Seal Seat:** NBR Rubber  
**Spring:** Stainless Steel 304  
**Seat Valve:** Polymer Material  
**Working Pressure:** 0.5 bar up to 16 bar  
**Max. Temperature:** 90°C



	½"	¾"	1"	1¼"	1½"	2"
L (mm)	30	35	45	55	64	76
H (mm)	36	39	51	62	70	72

## Pressure Gauge (Dry)



PG201

**Case:** Black Steel  
**Window:** Acrylic Plastic.  
**Internals:** Brass (Standard)  
**Socket:** Brass (Standard)

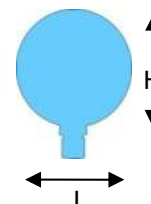
**Standard Thread, Bottom connection:**

BSP – NPT ¼" – ⅜" – ½" – S/S 304,316 Material and Different threads on request.

**Accuracy:** 1 – 1.6 – 2.5%

**Standard Scales:** psi/bar, kg/cm² other on request.

0/2.5 – 0/4 – 0/6 – 0/10 – 0/16 – 0/20 – 0/25 – 0/40 – 0/60 – 0/100 – 0/160 – 0/250 – 0/400 – 0/600 other scale on request.



	2"	2 ½"	3"	4"
L (mm) Ø	50	63	80	100
H (mm) Ø	50	63	80	100

## Pressure Gauge (Liquid Filled)



PG301

**Case:** Polished S/S304.  
**Window:** Acrylic Plastic.  
**Internals:** Brass (Standard)  
**Socket:** Brass (Standard)

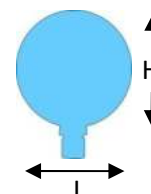
**Standard Thread, Bottom connection:**

BSP – NPT ¼" – ⅜" – ½" – S/S 304,316 Material and Different threads on request.

**Accuracy:** 1 – 1.6 – 2.5%

**Standard Scales:** psi/bar, kg/cm² other on request.

0/2.5 – 0/4 – 0/6 – 0/10 – 0/16 – 0/20 – 0/25 – 0/40 – 0/60 – 0/100 – 0/160 – 0/250 – 0/400 – 0/600 other scale on request



	2"	2 ½"	3"	4"	6"
L (mm) Ø	50	63	80	100	150
H (mm) Ø	50	63	80	100	150

**TECHNICAL SPECIFICATIONS**

**188**

**APPROVALS**



**DESCRIPTION**

**188**

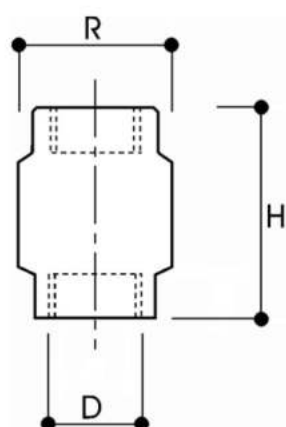
Horizontal and vertical brass non return valve "Glory" type.

**MATERIALS**

<b>Body</b>	CW617N (UNI EN 12165) CuZn40Pb2
<b>Cut-off</b>	POM
<b>End connection</b>	CW617N (UNI EN 12165) CuZn40Pb2
<b>O-ring</b>	NBR
<b>Spring</b>	Stainless steel AISI 302



**DIMENSIONS**



D	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
H	52	58	65	75	80	86	94	93	104	119
R	29	32	39	48	60	67	84	104	121	156
Weight [g]	115	150	225	330	545	685	1025	1260	1810	3100

Dimensions in mm

All threads are conform to ISO 7 or ISO 228 standards

**RECOMMENDED WORKING PRESSURE / TEMPERATURE LIMITS**

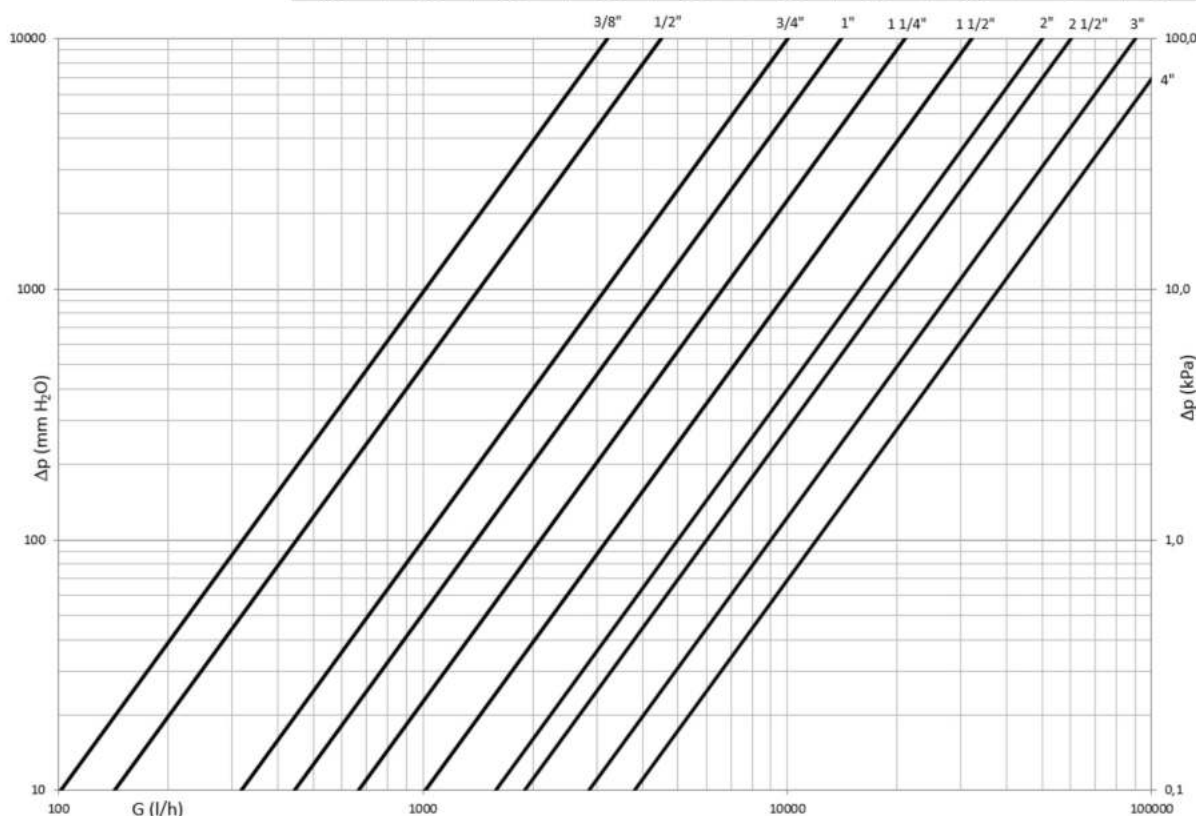
25 bar - 110°C - non shock (3/8" - 1")

18 bar - 110°C - non shock (1 1/4" - 2")

8 bar - 110°C - non shock (2 1/2" - 4")

**PRESSURE DROP DIAGRAM**

Dim.	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
Kv	3.2	4.5	10	14	21	32	50	60	90	120
PN	25	25	25	25	18	18	18	8	8	8



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

## TECHNICAL SPECIFICATIONS

500



### DESCRIPTION

## 500

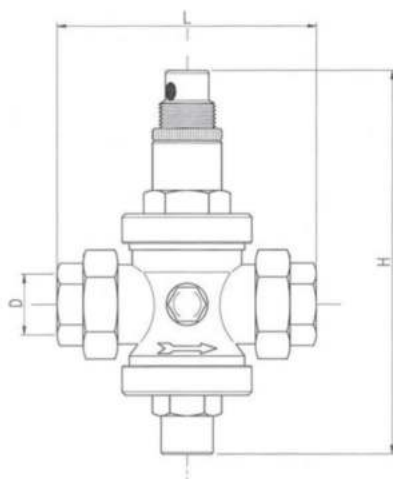
F x F union end pressure reducer with pressure compensation system. For cold water (max 50°C). Yellow finish.

Thanks to compensation chamber and the membrane-free design (no wear and tear on it), the system is stable to pressure damping and water hammer.

It is suggested to install a strainer (168/O – 170 or 51F Filterball®) upstream in order to avoid any damage to internal components of the reducer caused by impurities.

The pressure reducer has G $\frac{1}{4}$ " pressure gauge on both sides which can fit a monometer **M500P** (not included) in order to measure the pressure downstream.

### DIMENSIONS



D	$\frac{1}{2}$ "	$\frac{3}{4}$ "	1"	1 $\frac{1}{4}$ "	1 $\frac{1}{2}$ "	2"
H	120	160	166	220	220	250
I	12	15	16	18	18	22
L	112	135	140	170	175	200
Weight [g]	930	1600	1850	2950	3400	5300

Dimensions in mm

All threads are conform to ISO 228 standard

### RECOMMENDED WORKING TEMPERATURE/PRESSURE LIMITS

Max suggested operative upstream pressure: 25 bar

Max suggested operative downstream pressure: 6 bar

Pressure reduction ratio: 10 : 1

Max working temperature: 50°C

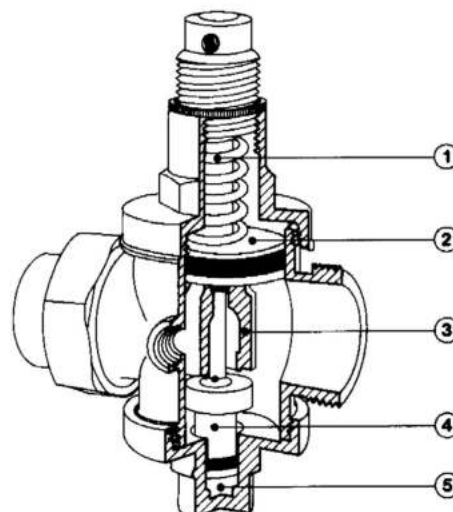
D	$\frac{1}{2}$ "	$\frac{3}{4}$ "	1"	1 $\frac{1}{4}$ "	1 $\frac{1}{2}$ "	2"
Suggested flow rate [m <sup>3</sup> /h]	1.2 – 3	3 – 4.5	4.5 – 6	6 – 8	7 – 8.5	7.5 – 10
Suggested flow rate [l/min]	20 – 50	50 – 75	75 – 100	100 – 130	117 – 142	125 – 167

Max upstream pressure: 25 bar

Downstream pressure: 0.5 bar to 6 bar

### MATERIALS

Body	CW617N (EN 12165) CuZn40Pb2
Spring (1)	Steel, cadmium plated
Diaphragm (2)	CW614N (EN 12164) CuZn39Pb3
Seat (3)	Stainless steel AISI 303
Stem with shutter (4)	CW614N (EN 12164) CuZn39Pb3 Stainless steel AISI 303 (1 $\frac{1}{4}$ " – 2")
Spring Holder	CW614N (EN 12164) CuZn39Pb3
Compensation chamber (5)	
Nut	CW617N (EN 12165) CuZn40Pb2
Union	CW617N (EN 12165) CuZn40Pb2
O-Ring	NBR
Gasket	Fiber







## DESCRIPTION

# 501

F x F pressure reducer with pressure compensation system. For water heater (max 80°C). Chrome plated.

Thanks to compensation chamber and the membrane-free design (no wear and tear on it), the system is stable to pressure damping and water hammer.

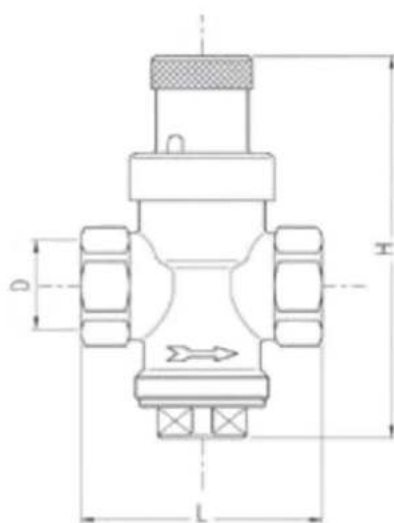
It is suggested to install a strainer (168/O – 170 or 51F Filterball®) upstream in order to avoid any damage to internal components of the reducer caused by impurities.

D	½"
Suggested flow rate [m <sup>3</sup> /h]	0.6 – 0.8
Suggested flow rate [l/min]	10 – 13.3

Max upstream pressure: 15 bar

Downstream pressure: 1 bar to 4 bar

## DIMENSIONS



## RECOMMENDED WORKING TEMPERATURE/PRESSURE LIMITS

Max suggested operative upstream pressure: 15 bar

Max suggested operative downstream pressure: 4 bar

Pressure reduction ratio: 5 : 1

Max working temperature: 80°C

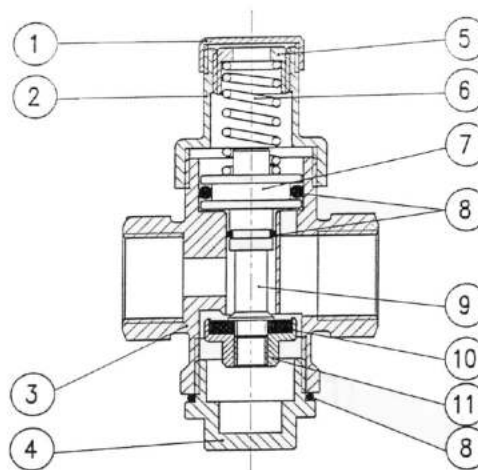
D	½"
H	93
I	10
L	60
Weight [g]	380

Dimensions in mm

All threads are conform to ISO 228 standard

## MATERIALS

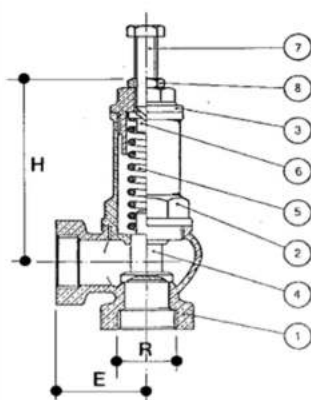
- |                  |                             |
|------------------|-----------------------------|
| 1. Upper cap     | POM                         |
| 2. Headwork      | CW617N (EN 12165) CuZn40Pb2 |
| 3. Body          | CW617N (EN 12165) CuZn40Pb2 |
| 4. Lower cap     | CW617N (EN 12165) CuZn40Pb2 |
| 5. Spring holder | POM                         |
| 6. Spring        | Stainless steel AISI 303    |
| 7. Diaphragm     | CW614N (EN 12164) CuZn39Pb3 |
| 8. O-Ring        | NBR                         |
| 9. Stem          | CW614N (EN 12164) CuZn39Pb3 |
| 10. Gasket       | NBR                         |
| 11. Shutter      | CW614N (EN 12164) CuZn39Pb3 |



## Art 56

Valvola di sicurezza in ottone a scarico convogliato per impianti idrici, sede metallica

Brass angle safety valve for water with outlet to pipe, metal seat



Pressioni di esercizio a max 80°C  
Working pressures at 80°C max

CAMPO DI TARATURA

0-12 bar

CALIBRATION RANGE

Dimensioni principali  
Leading dimensions

R"	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
H	75	76	90	98	125	140	150	181	205
E	28	36	39	47	56	63	75	86	88

### DATI TECNICI TECHNICAL DATA

R"	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
PN bar	12	12	12	12	12	12	12	12	12
Ø SEDE mm	10,20	13,00	19,00	25,70	31,00	38,00	48,00	68,00	77,50
AREA cm²	0,82	1,33	2,83	5,18	7,54	11,34	18,09	36,30	47,15

Valvole da tarare sul luogo dell'impianto; dado di taratura bloccabile a mezzo controdado.

These valves have to be calibrated when installed; calibration nut can be locked with check nut.

Portata d' acqua in m³/h in funzione del diametro della valvola R" e della pressione di taratura P

Water flow rate in m³/h according to the size of the valve R" and the calibration pressure P

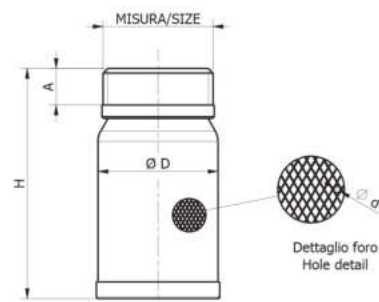
P \ R"	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
1	0,3	0,5	1,0	1,9	2,7	4,1	6,5	13,1	17,0
2	0,4	0,6	1,2	2,3	3,3	5,0	8,0	16,0	20,8
3	0,4	0,7	1,4	2,6	3,8	5,8	9,2	18,5	24,0
4	0,5	0,8	1,6	3,0	4,3	6,5	10,3	20,7	26,8
5	0,5	0,8	1,8	3,2	4,7	7,1	11,3	22,6	29,4
6	0,6	0,9	1,9	3,5	5,1	7,6	12,2	24,4	31,8
7	0,6	1,0	2,0	3,7	5,4	8,2	13,0	26,1	33,9
8	0,6	1,0	2,2	4,0	5,8	8,7	13,8	27,7	36,0
9	0,7	1,1	2,3	4,2	6,1	9,1	14,6	29,2	38,0
10	0,7	1,1	2,4	4,4	6,4	9,6	15,3	30,6	39,8
11	0,7	1,2	2,5	4,6	6,7	10,0	15,9	32,0	41,6
12	0,7	1,2	2,6	4,8	6,9	10,4	16,6	33,3	43,3

Per ulteriori informazioni richiedere fascicolo tecnico in accordo alla direttiva 97/23 CE (PED).

For further informations ask for the technical leaflet according to 97/23 CE (PED) norm.

# IDRJA-SMALL

**Filtri di aspirazione / Suction screens**



**Modello / Model**  
**IDRJA-SMALL**

**Materiale / Material**  
Aisi 304 / Aisi 316

**DN**  
8 – 100

## Caratteristiche tecniche / Construction features

- **Connessione filettata maschio secondo /**  
Threaded end gas male according to  
UNI ISO 228/1
- **Grado di filtrazione / Filtration**  
U.S. mesh: 18 (da/from 3/8" a/to 2")  
U.S. mesh: 10 (da/from 2" 1/2 a/to 4")
- **Trattamento superficiale solo per versione**  
**Aisi 316 sgrassaggio, decapaggio ed**  
**elettrolucidatura / Surface treatment only Aisi**  
316 version degreasing, pickling  
and electropolishing

## Componenti e materiali / Components and materials

<b>Rete /</b> Net-filter	Acciaio inox Aisi 304 o 316 / SS Aisi 304 or 316
<b>Fondello /</b> Net cap	Acciaio inox Aisi 304 o 316 / SS Aisi 304 or 316
<b>Raccordo maschio /</b> Male coupling	Acciaio inox Aisi 304 o 316 / SS Aisi 304 or 316

## Dimensioni e pesi / Dimensions and weights

Materiale Material	Misura Size	DN	Peso in gr. Weight in gr.	Dimensioni in mm Dimensions in mm			
				H	A	Ø D	Ø d
Aisi 304	3/8"	8	12	55	8	19	1
	1/2"	15	15	55	10	22	1
	3/4"	20	25	62	10	28	1
	1"	25	34	71	11	36	1
	1" 1/4	32	52	80	15	43	1
	1" 1/2	40	62	90	15	49	1
	2"	50	86	101	15	60	1
	2" 1/2	65	135	111	18	79	1,8
Aisi 316	3"	80	168	125	18	92	1,8
	4"	100	253	144	20	115	1,8
	3/8"	8	12	55	8	19	1
	1/2"	15	15	55	10	22	1
	3/4"	20	25	62	10	28	1
	1"	25	34	71	11	36	1
	1" 1/4	32	52	80	15	43	1
	1" 1/2	40	62	90	15	49	1
	2"	50	86	101	15	60	1
	2" 1/2	65	135	111	18	79	1,8
	3"	80	168	125	18	92	1,8
	4"	100	253	144	20	115	1,8



## SMALL

**Valvole di ritegno di piccolo diametro** / Small diameter check valves



**Modello / Model**  
**SMALL**

**Materiale / Material**  
Aisi 304 - 316

**Tenuta / Seal**  
NBR, FPM o PTFE

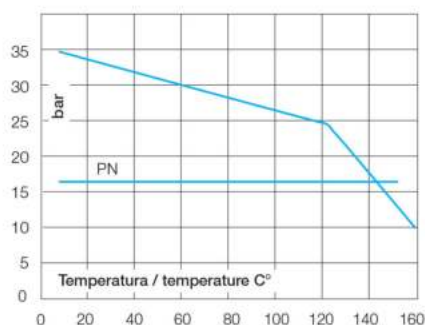
**DN**  
8 - 15

**PN**  
16

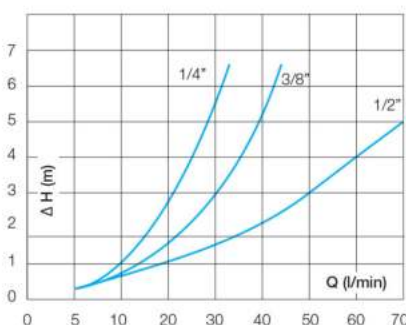
### Caratteristiche tecniche / Construction features

- Lavorazione: acciaio inox stampato** / Manufacturing process: pressed stainless steel
- Trattamento superficiale sgrassaggio, decapaggio ed elettrolucidatura** / Surface treatment degreasing, pickling and electropolishing
- Tenuta / Seal ring**  
NBR, FPM, PTFE
- Connessioni filettate femmina secondo /**  
Threaded ends female according to  
UNI ISO 228/1
- Saldatura a TIG senza apporto di materiale**  
TIG weldings without additional material
- Pressione di apertura / Opening pressure**  
Min. 0,025 – Max. 0,035 bar
- Test idraulico di tenuta guarnizioni /**  
Hydraulic test on the seal rings  
0.2 bar
- Pressione nominale di esercizio /**  
Nominal working pressure  
16 bar
- Temperatura di esercizio / Working temperature**  
-25°C – +90°C NBR  
-20°C – +150°C FPM  
-20°C – +200°C PTFE
- Certificazioni / Approvals**  
 NSF/ANSI 61  
(solo versioni Aisi 316 FPM /  
only Aisi 316 FPM types)

### Diagramma pressione temperatura / Pressure temperature diagram



### Perdite di carico / Friction losses diagrams

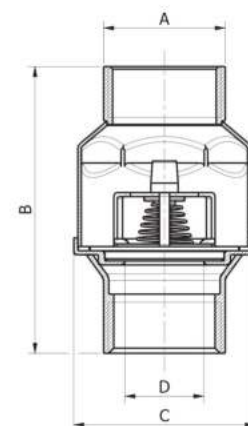


### Dimensioni e pesi / Dimensions and weights

Misura Size	Materiale Material	Tenuta Seal	DN	PN	Dimensioni in mm Dimensions in mm			
					A	B	C	D
1/4"	Aisi 304	NBR	08	16	20	56	32	1/4" F
3/8"			10	16	20	56	32	3/8" F
1/2"			15	16	25	56	32	1/2" F
1/4"	Aisi 304	FPM	08	16	20	56	32	1/4" F
3/8"			10	16	20	56	32	3/8" F
1/2"			15	16	25	56	32	1/2" F
1/4"	Aisi 316	FPM	08	16	20	56	32	1/4" F
3/8"			10	16	20	56	32	3/8" F
1/2"			15	16	25	56	32	1/2" F
1/4"	Aisi 316	PTFE	08	16	20	56	32	1/4" F
3/8"			10	16	20	56	32	3/8" F
1/2"			15	16	25	56	32	1/2" F

# IDRJA

**Valvole di ritegno in acciaio inox stampato** / Check valves fabricated from pressed stainless steel



<b>Modello / Model</b> <b>IDRJA</b>	<b>Materiale / Material</b> Aisi 304 - 316	<b>Tenuta / Seal</b> NBR, FPM, PTFE, FEP	<b>DN</b> 20 – 100	<b>PN</b> 16
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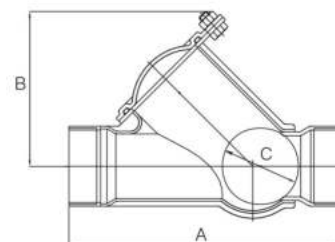
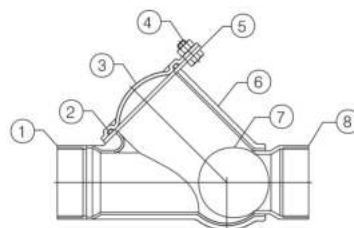
## Caratteristiche tecniche / Construction features

- Lavorazione: acciaio inox stampato** / Manufacturing process: pressed stainless steel
- Trattamento superficiale sgrassaggio, decapaggio ed elettrolucidatura** / Surface treatment degreasing, pickling and electropolishing
- Tenuta / Seal ring**  
NBR, FPM, PTFE o/or FEP
- Connessioni filettate femmina secondo** / Threaded ends female according to UNI ISO 228/1
- Saldatura a TIG senza apporto di materiale** / TIG weldings without additional material
- Pressione di apertura** / Opening pressure  
Min. 0,025 – Max. 0,035 bar
- Test idraulico di tenuta guarnizioni** / Hydraulic test on the seal rings  
0.2 bar
- Pressione nominale di esercizio** / Nominal working pressure  
16 bar
- Temperatura di esercizio** / Working temperature  
-25°C – +90°C NBR  
-20°C – +150°C FPM  
-20°C – +200°C PTFE o/or FEP
- Certificazioni** / Approvals  
 NSF/ANSI 61  
(solo versioni Aisi 316 FPM / only Aisi 316 FPM types)

Misura Size	Materiale Material	Tenuta Seal	DN	PN	Dimensioni in mm Dimensions in mm			
					A	B	C	D
3/4"	Aisi 304	NBR	20	16	30	67	44	18,3
1"			25	16	35,8	83	53	23,4
1" 1/4			32	16	45	97	66	31,4
1" 1/2			40	16	50,8	115	78	36,8
2"			50	16	63	120,5	90	42,9
2" 1/2	Aisi 304	FPM	65	16	80	142	113	58,7
3/4"			20	16	30	67	44	18,3
1"			25	16	35,8	83	53	23,4
1" 1/4			32	16	45	97	66	31,4
1" 1/2			40	16	50,8	115	78	36,8
2"	Aisi 316	FPM	50	16	63	120,5	90	42,9
2" 1/2			65	16	80	142	113	58,7
3/4"			20	16	30	67	44	18,3
1"			25	16	35,8	83	53	23,4
1" 1/4			32	16	45	97	66	31,4
1" 1/2	Aisi 316	PTFE	40	16	50,8	115	78	36,8
2"			50	16	63	120,5	90	42,9
2" 1/2			65	16	80	142	113	58,7
3"			80	16	93	160	132	70,3
4"			100	16	120	191	167	93,4
3/4"	Aisi 316	FEP	20	16	30	74	44	18,3
1"			25	16	35,8	90	53	23,4
1" 1/4			32	16	45	101	66	31,4
1" 1/2			40	16	50,8	120	78	36,8
2"			50	16	63	120,5	90	42,9
2" 1/2	Aisi 316	FEP	65	16	80	142	113	58,7
3"			80	16	93	160	132	70,3
4"			100	16	120	191	167	93,4

# GLOVALVE

**Valvole di ritegno  
a palla in acciaio  
inox stampato /**  
Ball check valves  
fabricated from pressed  
stainless steel



**Modello / Model**

**GLOVALVE**

**Materiale / Material**

Aisi 316

**Tenuta / Seal**

NBR, FPM

**DN**

32 – 50

**PN**

16

## Caratteristiche tecniche / Construction features

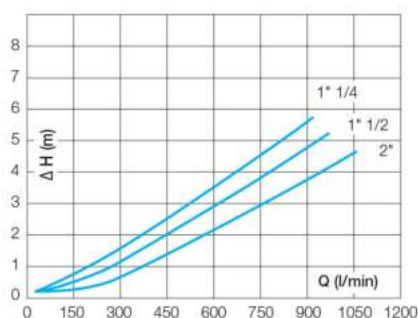
- **Applicazioni:** acque reflue, fluidi densi o carichi di elementi in sospensione / Applications: dense and loaded liquids
- **Lavorazione acciaio inox stampato /** Manufacturing process pressed stainless steel
- **Trattamento superficiale sgrassaggio, decapaggio ed elettrolucidatura /** Surface treatment degreasing, pickling and electropolishing
- **Connessioni filettate femmina secondo /** Threaded ends female according to UNI ISO 228/1
- **Versione 2" F con attacchi flangiati in acciaio inox stampato con foratura secondo /** F Version 2" available with flanged end from pressed stainless steel with holes according to UNI EN 1092-1 PN 16
- **Saldature a TIG senza apporto di materiale** / Welded joints TIG method without any additional material
- **Test idraulico su saldature aria compressa su ogni valvola /** Hydraulic test on welded joints compressed air on each valve 3 bar
- **Pressione nominale di esercizio /** Nominal working pressure 16 bar
- **Temperatura di esercizio /** Working temperature 0°C – +90°C NBR 0°C – +150°C FPM
- **Installazione: verticale e orizzontale /** Installation: vertical and horizontal

## Nuove versioni / New versions

\* Filettatura NPT / NPT thread

**DN50 versione con attacchi flangiati in acciaio inox secondo /** DN50 version with pressed stainless steel flanged unions according to UNI EN 1092-1 PN 16

## Perdite di carico / Friction losses diagrams



## Componenti e materiali / Components and materials

<b>1</b>	<b>Manicotto mandata /</b> Outlet end	1.4401 EN 10088 (Aisi 316)
<b>2*</b>	<b>OR coperchio flangia /</b> Or seal ring flange	NBR or FPM
<b>3*</b>	<b>Coperchio flangia /</b> Flange cover	1.4401 EN 10088 (Aisi 316)
<b>4*</b>	<b>Dadi e viti</b> Bolts and nuts	1.4401 EN 10088 (Aisi 316)
<b>5</b>	<b>Flangia chiusura /</b> Closing flange	1.4401 EN 10088 (Aisi 316)
<b>6</b>	<b>Corpo /</b> Body	1.4401 EN 10088 (Aisi 316)
<b>7*</b>	<b>Sfera /</b> Ball	Acciaio + NBR or FPM / Iron + NBR or FPM
<b>8</b>	<b>Manicotto aspirazione /</b> Inlet end	1.4401 EN 10088 (Aisi 316)

\* **Ricambi disponibili /** Spare parts

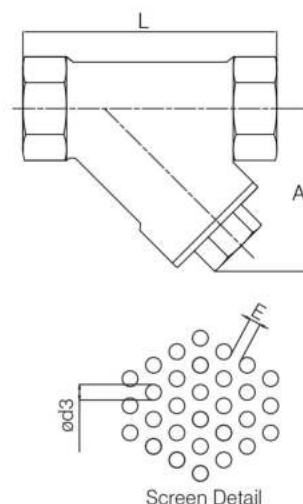
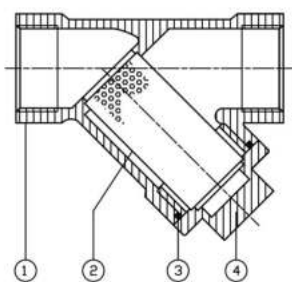
## Dimensioni e pesi / Dimensions and weights

Misura Size	Tenuta Seal	DN	PN	Dimensioni in mm Dimensions in mm		
				A	B	C
1" 1/4	NBR	32	16	175	99	50
1" 1/2 *		40	16	190	99	50
2" *		50	16	210	112	60
DN50	FPM	50	16	242	112	60
1" 1/4		32	16	175	99	50
1" 1/2 *		40	16	190	99	50
2" *		50	16	210	112	60
DN50		50	16	242	112	60



90093

Filtri a y /  
"Y" type strainers



**Modello / Model**  
**90093**

**Materiale / Material**  
Aisi 316

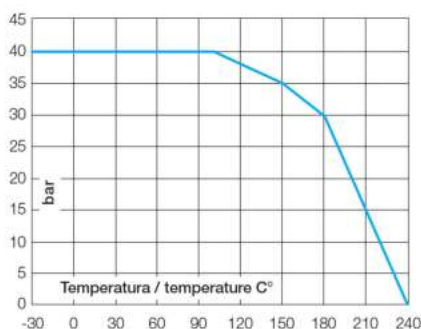
**DN**  
8 – 50

**PN**  
40

#### Caratteristiche tecniche / Construction features

- **Conessioni filettate gas femmina secondo** / Threaded ends gas female according to EN 10226-1
- **Pressione nominale di esercizio** / Nominal working pressure: 40 bar
- **Temperatura di esercizio** / Working temperature: -30°C – +240°C

#### Diagramma pressione temperatura / Pressure temperature diagram



#### Componenti e materiali / Components and materials

<b>1</b>	<b>Corpo</b> / Body	Acciaio Inox / SS 1.4408
<b>2*</b>	<b>Filtro</b> / Strainer	Acciaio Inox Aisi 316 / SS Aisi 316
<b>3*</b>	<b>Guarnizione</b> / Gasket	PTFE
<b>4</b>	<b>Tappo</b> / Plug	Acciaio Inox / SS 1.4408

\* **Ricambi disponibili** / Spare parts

#### Dimensioni e pesi / Dimensions and weights

Misura Size	DN	PN	Peso in kg. Weight in kg.	KV m³/h	Dimensioni in mm Dimensions in mm			
					A	L	Ød3	E
1/4"	8	40	0,29	1,44	30	65	1,0	1,0
3/8"	10	40	0,21	2,88	30	65	1,0	1,0
1/2"	15	40	0,22	3,30	40	65	1,0	1,0
3/4"	20	40	0,35	6,60	45	80	1,0	1,0
1"	25	40	0,66	9,70	55	90	1,0	1,0
1" 1/4	32	40	0,77	14,90	65	105	1,0	1,0
1" 1/2	40	40	1,15	26,60	70	120	1,0	1,0
2"	50	40	1,76	35,40	85	140	1,0	1,0

**Su richiesta /**  
**On request**

**Filettatura NPT / NPT thread**

# H2851

## VALVOLE A GALLEGGIANTE

## FLOATING VALVES



### CARATTERISTICHE TECNICHE

- // **Corpo e parti metalliche:** acciaio inox Aisi 316  
(Aisi 304 dal 1/2" al 1"1/4)
- // **Attacco filettato:** gas maschio UNI EN 10226-1
- // **Chiusura in silicone**
- // **Pressione nominale di esercizio:** 10 bar
- // **Temperatura di esercizio:** -20°C – +150°C

### TECHNICAL FEATURES

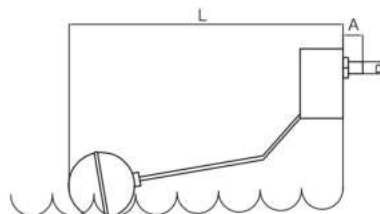
- // **Body valve and metallic parts:** stainless steel Aisi 316  
(Aisi 304 from 1/2" to 1"1/4)
- // **Threaded end:** gas male according to UNI EN 10226-1
- // **Silicone sealing**
- // **Nominal working pressure:** 10 bar
- // **Working temperature:** -20°C – +150°C



### DIMENSIONI E PESI // DIMENSIONS AND WEIGHTS

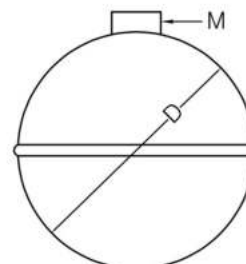
valvola // valve

Misura Size R	DN	Dimensioni in mm Dimensions in mm		Peso in kg Weight in kg
		A	L	
1/2"	15	35	410	0,80
3/4"	20	42	500	1,50
1"	25	45	580	1,55
1"1/4	32	52	580	1,75
1"1/2	40	60	620	4,15
2"	50	70	720	4,45
2"1/2	65	80	720	5,10



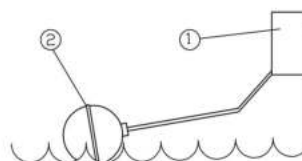
sfera // float

Misura Size	DN	Dimensioni in mm Dimensions in mm		Peso in kg Weight in kg
		D	M	
1/2"	15	110	M-6	0,25
3/4"	20	160	M-8	0,50
1"	25	160	M-8	0,50
1"1/4	32	160	M-8	0,50
1"1/2	40	200	M-12	0,70
2"	50	200	M-12	0,70
2"1/2	65	200	M-12	0,70



### CARATTERISTICHE COSTRUTTIVE // CONSTRUCTION FEATURES

Componenti Components	Materiale Material
1 Valvola // Valve	Acciaio Inox. 316(Aisi 304 from 1/2" to 1"1/4) SS 316 (Aisi 304 from 1/2" to 1"1/4)
2 Galleggiante // Floating	Acciaio Inox. 316(Aisi 304 from 1/2" to 1"1/4) SS 316 (Aisi 304 from 1/2" to 1"1/4)

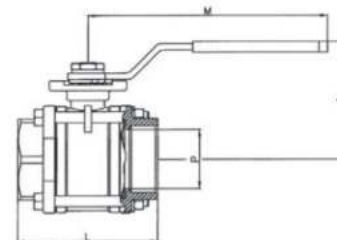
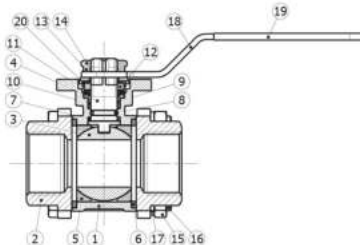


VERSIONI FORNIBILI SU RICHIESTA // MODELS AVAILABLE ON REQUEST

Tipo di filettatura Type of thread	1/2"	3/4"	1"	1" 1/4	1" 1/2	2"	2"1/2
NPT	X	X	X	X	X	X	X

## GLOBE / 3P

**Valvole a sfera a passaggio totale, 3 pezzi / Full bore ball valves, 3 pieces**



**Modello / Model**  
**GLOBE 3P**

**Materiale / Material**  
Aisi 316

**Tenuta / Seal**  
PTFE + 15% FV / GF

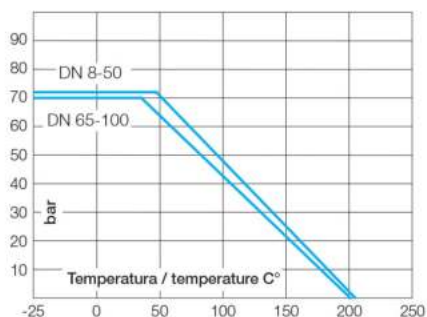
**DN**  
8 – 100

**PN**  
63

### Caratteristiche tecniche / Construction features

- **Montaggio diretto attuatore secondo /**  
Direct actuator installation according to  
ISO 5211
- **Connessioni filettate femmina secondo /**  
Threaded ends female according to  
UNI EN 10226-1, NPT
- **Attacchi a saldare / Welding ends**  
BUTT-WELD: ANSI B 16.25,  
SOCKET-WELD: ANSI B 16.11
- **Pressione nominale di esercizio / Nominal**  
working pressure  
63 bar
- **Temperatura di esercizio /**  
Working temperature  
-25°C – +180°C
- **Albero anti-espulsione / Blow-out proof**  
stem

### Diagramma pressione temperatura / Pressure temperature diagram



### Componenti e materiali / Components and materials

1	Corpo / Body	Acciaio inox / SS Aisi 316
2	Tappo / Cap	Acciaio inox / SS Aisi 316
3*	Sfera / Ball	Acciaio inox / SS Aisi 316
4*	Albero / Stem	Acciaio inox / SS Aisi 316
5*	Tenuta sfera / Seat ball	PTFE + 15% Fibra di vetro / PTFE + 15% Glass fiber
6*	Guarnizione / Gasket	PTFE + 15% grafite / PTFE + 15% graphite
7*	Rondella / Trust Washer	PTFE + 15% grafite / PTFE + 15% graphite
8*	Anello OR albero / Stem O-ring	FPM
9*	Pacco albero / Stem packing	PTFE
10	Anello albero / Stem ring	Acciaio inox / SS Aisi 304
11	Rondella / Washer	Acciaio inox / SS 301
12	Dado - Arresto / Nut - Stopper	Acciaio inox / SS Aisi 304
13	Rondella / Washer	Acciaio inox / SS Aisi 304
15	Bullone - Dado / Bolt - Nut	Acciaio inox / SS Aisi 304
16	Bullone - Dado / Bolt - Nut	Acciaio inox / SS Aisi 304
18	Maniglia / Handle	Acciaio inox / SS Aisi 304
19	Coprimaniglia / Handle Sleeve	Vinile / Vynil
20	Antisvitamento / Lock washer	Acciaio inox / SS Aisi 304

\* **Ricambi disponibili / Spare parts**



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REPAIRS AND STRUCTURAL SERIES

**THE FIRST BRAND  
 OF ADHESIVE**

**SEALING  
 CRACK & SAND HOLE**  
**Quick & Excellent**

*Heat and hand tools are required for  
 disassembly products, multi-purpose.*

Nano meter  
 particle molecule, it'll  
 be melting & perneate  
 into the deep part, And  
 sealing the crack and pin  
 hole, non-bubble when  
 meet heat.  
 Excellent seals.



**ENA-160**  
 PACKAGE: N.W. 2kgs / set



**ENA-60**  
 PACKAGE:  
 N.W. 60g / set

**ENA-160**  
 PACKAGE:  
 N.W. 160g / set

### Feature

**Without Brazing**

**Outstanding tensile shear strength & shock resistance  
 with excellent mechanical performances.**

1. The product do not contain the organic solvent (100%) solid solute. It will not evaporate and harden.
2. Environmental production and non-pollution. The product is containing no heavy meal (Cd, Hg, Pb, Cr+6, Pbbs, Pbdes). The quality of the products satisfy EU(RoHS) standard, Pass SGS international certification.
3. Pot-life : within five years under 25°C.
4. Curing : room temperature 2hrs-4hrs, under the heating temperature of 140°C, it will take 10 ~ 30 seconds to harden.
5. Working pressure : MWP 35kgf / cm<sup>2</sup> ( 500psi ).
6. Heat resistance 180°C , Cold resistance - 60°C.
7. Corrosion, acid, alkali and freon resistance.
8. Strong adhesion high tencacity. Expansion when hot and shrinkage when cold. It will not spall and crack.



Model	Package	Size	N. W.
ENA-60	Blister	100X22mm	60±2g
ENA-160	Color box	138X28.5mm	160±2g

### Application

**Sanitary Ware , Plumbing Fitting, Air Condition, Hardware...**

Ideal for permanent repairing and locking high pressure flow power systems, Including sanitary ware, plumbing fitting, air-condition , hardware and approved excellent efficiency . Sand hole, crack, leakage, repairing , maintance.



Conveyer Roller



Copper to Copper Without Brazing



Copper → Stainless Steel



Press Fitting S. S Water Tank



Copper → Aluminum



Evaporator



Radiator



Copper Valve Stainless Steel Valve

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



NEW

# ENA-1288 Multi-Purpose Ceramic Putty

Special uses for repair of modification and salvaging repair for water leakage

**\* Introduction of new engineering methods for uniquely improved and modified repair and salvaging repair — hardening in room temperature of 1 to 1.5 hours**

If pipeline is found in disrepair after years, there will be needs against oxidation, corrosion leaks, and perforation and pipe leakage with salvaging repair. First, pipe fitting is cut off, while sheath connection is used to prevention leakage (as shown in the figure). or use fiberglass reinforced belt and apply with ceramic putty ENA-1288 (as shown in the picture) for wrapping and enhancing of reconstruction. The effect is 100% stop leakage. When it is done, it is pressure resistant, shock resistant, and with favorable adherence, and it is most firm and endurable.

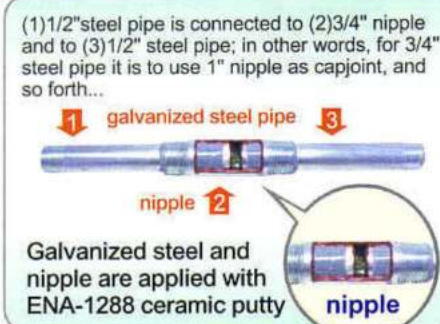


**\* Break-down chart of repairs with pipeline, galvanized steel pipe, and stainless steel pipe**

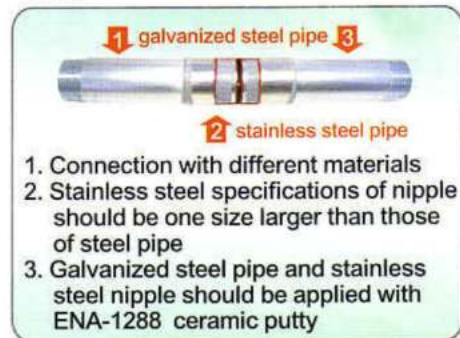
## 1. Break-down chart on galvanized steel pipe and nipple



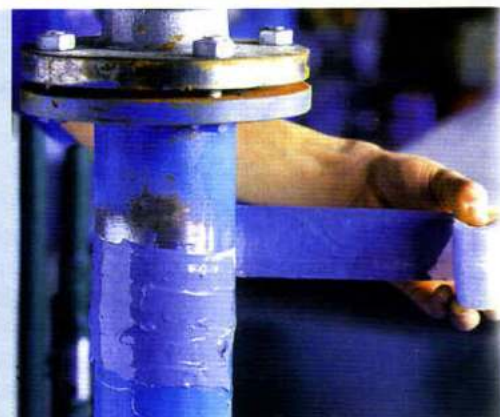
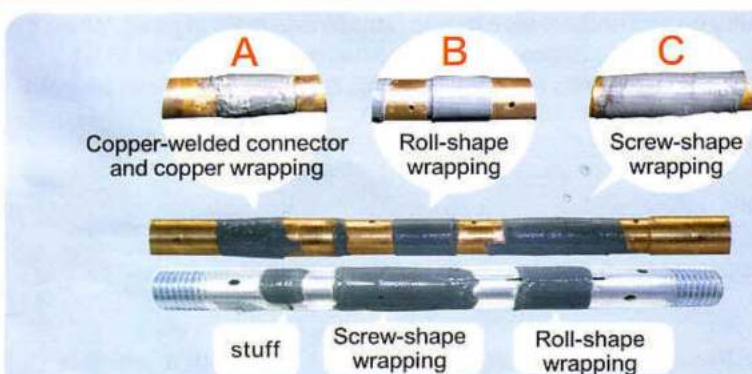
## 2. Combination chart of repair for socket-connection with galvanized steel pipe



## 3. Combination chart of repair for socket-connection with stainless steel



**\* Repair works for galvanized steel pipe, stainless steel pipe, air conditioning, and freezing copper, aluminum pipe fitting --- fiberglass reinforced belt is wrapping for reinforcement**



## 《 Explanation 》

1. Copper-welded connector and copper pipe (A) will use ENA-1288 for applying, and they are further reinforced with fiberglass reinforced belt ENA-1365, with both sides applied with ENA-1288 for wrapping
2. For perforation and crack of copper or aluminum pipe, it is to use ENA-1365 fiberglass reinforced belt for wrapping, and applied with ENA-1288.
3. Suggestions: fiberglass reinforced belt be applied with ceramic putty for 3 to 5 wraps, and the effect would be best.

**\* Salvaging repair indication chart of press fitting, pipe thread, and repair for modification**



## 《 Applications 》

Sealing-up in sanitary, freezing, air-conditioning, hydrant, gas, liquid-pressure system, pneumatic piping system, and pipe screw (thread) of refrigeration equipment, anti-leakage, pressure-resistant, heat-resistant, Freon-resistant, corrosion-resistant, flexibility-resistant, and shock-resistant.

《 Attention 》 if the gaps between nipple and pipe fitting are too large, it will rock in excess of 2mm. Then, pipe fitting can first use fiberglass reinforced belt ENA-1365 to apply ENA-1288 for wrapping, making up the thickness of pipe circumference.

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## The Latest Nano Meter Tech Products —

**ENAMAX**<sup>®</sup>  
REPAIRS AND STRUCTURAL SERIES



## Series Products of Ceramic Putty

### ENA-1288 Multi-Purpose Ceramic Putty

It can be used on various kinds of materials, rigid PVC plastic, metal, and ceramic. The product is shock resistant, bending resistant, and also resistant to FREON, acidity and alkalinity, and best against corrosion. It won't drop for repair of vertical surface and suspended surface, and will harden in 1 to 1.5 hours in room temperature. Besides, it won't crack with expansion of heat and shrinkage as of cold, and can, therefore, best meet requirements of repair works. The product complies with legal provisions of 2002 / 95EC RoHS, with its SGS examination report numbered as ( CE / 2010 / B4232 ). Environmental and non-pollution product. The product is containing no heavy metal (Cd, Hg, Pb, Cr<sub>6+</sub>, Pbb<sub>s</sub>, Pbde<sub>s</sub>). The best industry product.

- ★ Cap joint frees its from expansion joint
- ★ Free from press fitting tools



This product can be enhanced double of its anti-leakage effect with ENA-1365 and ENA-1366 fiberglass reinforced belt.



**PACKAGE:**  
Nw80g / set / 10sets / box

### Usage

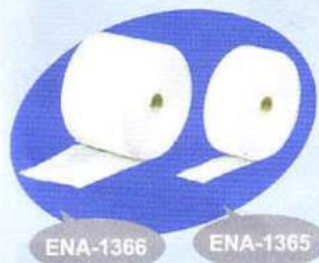
1. Screw thread (pipe thread) in contact with ENA-1288 is first cleaned with solvent to avoid attachment with dust particle, moisture or grease as its affects bonding effect. Or gas torch can be used to blow pipe thread so that grease is burned into ash, and then steel brush or cloth is used to clean up.
2. It is suggested to apply putty on two ends of pipe thread (female and male of pipe). When it is to lock, one should be soon (reverse) direction to reverse the clock 2 to 3 times to let putty evenly spread out and fill up gap before it is well locked. Then, the effect can be even better.

### Storage

1. Shelf life: 25°C for 3 years
2. ENA-1288 should be kept at cool and dry place
3. After use, it should be capped as soon as possible to avoid penetration of humidity

### Attention

1. If B agent is moisturized, the surface will be found with a slim discoloration, which is considered normal. It won't affect quality, and please put it to use with assurance.
2. Please keep out reach of children.
3. Please avoid it from contacts to eyes and skin. If one has accidental contacts with their skin or eyes, first use water or soap for cleaning and then get medical attention.
4. For stainless steel press fitting connector and pipe fitting, they should be conducted of surface grinding.
5. Under temperature of 15°C, the viscosity becomes thick is a normal situation, and one can use hair-dryer or soak it in hot water to soften it. Please put it to use with assurance.
6. Repairing pipe thread leakage. Please remove Teflon seal tape and then apply with ceramic putty.
7. If dropped water or wet surface is unacceptable.
8. Heat and torch blow are required for removing ceramic putty and disassembly.



fiberglass reinforced belt

**PACKAGE:**  
ENA-1365 12 EA / box  
W 25mm \* L 40m  
ENA-1366 6EA / box  
W 50mm \* L 40m

Product Code	Mixing Ratio (A : B)		Operating Time	Surface Dry Time	Through Cure Time	Working Temperature		Working Pressure
ENA-1288	Volume	Weight	20mins	45mins/25 °C	90mins/25 °C	Heat resistance	Cold resistance	290psi
	1 : 1	1 : 1				140 °C	-40 °C	20kg/c m <sup>2</sup>





# Project References

21 Angullia Condominium	@	Angullia Park
Aalto Condominium	@	Meyer Road / Amber Road
Amoy Quee Camp	@	Ang Mo Kio
Anglo Chinese School	@	Dover Road
Assisi Hospice	@	Thomson Road
Boon Lay Way II	@	-
Boulevard Vue Condominium	@	Cuscaden Walk
Carlton City Hotel	@	Tanjong Pagar
CET Campus	@	Paya Lebar
Chong Fu Primary School	@	Yishun Ave 6
Church	@	Ang Mo Kio
Church	@	Bishan
Church of Divine Mercy	@	Pasir Ris
Citylife EC	@	Tampines
Citylights	@	Jellicoe Road
Civil Service Club	@	Changi
Clementi Primary School	@	Clementi Avenue 3
Clementi Secondary School	@	Clementi
Cliveden Condominium	@	Grange Road
Collyer Quay Hotel	@	Clifford Pier
Community Club	@	Yishun
Condominium	@	Dakota Crescent
Condominium	@	Hindhede Drive
D'Resort @ Downtown East	@	Pasir Ris
Dairy Farm Estate Condominium	@	Dairy Farm Road
Dovercourt International School	@	Dover Road
Dulwich College	@	Bukit Batok
Eunos Technolink	@	Kaki Bukit Road
Factory Building	@	28 Riverside Road
Factory Building	@	42D Penjuru Road
Factory Building	@	No. 25 Sungei Gedong
Factory Building	@	No. 52 International Road
Factory Building	@	No. 44 Tanjong Penjuru
Fuhua Primary School	@	Jurong East
Fusionopolis 5	@	Fusionopolis Place
Globalfoundries	@	Woodlands
Hendon Camp - New Office	@	-
Hilltops	@	Cairnhill Circle
Hillview Regency Condominium	@	Bukit Batok East Ave 2
Hong Kah Secondary School	@	-
Hotel Miramar	@	Havelock Road
Insead	@	Portsmouth Road
JEM	@	Jurong Gateway

To be continued...

# Project References

Junyuan Primary School	@	Tampines
Jurong Christian Church	@	Tah Ching Road
Juying Secondary School	@	Jurong West
Kerrisdale Condominium	@	Beatty Road
Kheng Cheng Primary School	@	Toa Payoh Lorong 3
Kim Keat Gardens	@	Kim Keat Road
Kim Lin Park	@	Jalan Arnap
King's Rd Church - Extension	@	-
Kong Hwa School	@	Guillemard Road
Kranji Camp	@	-
Law Enforcement Academy	@	Choa Chu Kang Way
Le Crescendo	@	Paya Lebar Road
Lee Kong Chian School of Medicine	@	Novena Campus
Legenda Condo	@	Joo Chiat / Everitt Rd
Light Industrial Factory Bldg	@	Admiralty Road West
Lock Cho Condominium	@	Jalan Datoh
LUP	@	Bukit Batok Block 504
LUP C56	@	-
Lush on Holland Hill	@	Holland Hill
Madeira Condominium	@	Bukit Batok St. 31
Malvern Spring Condominium	@	Onan Road
Mandai Hill Camp	@	-
Marina South Lighter Wharf	@	-
Masjid Hajjah Rahimabi Kebun Limau	@	Kim Keat Road
Methodist Church	@	Ang Mo Kio
Miltonia Residences	@	Yishun
Mimosa Terrace	@	Mimosa Terrace
MOM Services Centre	@	Bendemeer
Monterey Park Condominium	@	West Coast Rise
MUH@Mediapolis	@	Ayer Rajah
Nanyang Polytechnic	@	Ang Mo Kio
National Cancer Centre	@	Bukit Merah
National Kidney Foundation Centre	@	Corporation Road
National Library	@	Bras Basah Road
Ngee Ann City	@	Orchard
North Link Industrial Factory	@	Admiralty Road West
NTU Innovation Ctr - BioLab	@	-
Nursing Home	@	Buangkok View
NUS - A & A Works	@	Blk MD7 & MD4 (BioLab)
Office Building	@	Middle Road
Orange Groove Condo	@	Stevens Road
Orchard Scotts Residences	@	Anthony Road
Parc Condominium	@	West Coast Walk

To be continued...



# Project References

Parkview Eclat	@	Grange Road
Pasir Laba Camp	@	Pasir Laba
Pei Tong Primary School	@	Clementi Avenue 5
Punggol Primary School	@	Hougang Avenue 8
Queenstown Condominium	@	Queenstown
Raffles Hotel	@	Beach Road
Residential Housing	@	Punggol West C7
River Safari	@	Mandai
Rivergate	@	Rivervalley Close
Riversails Condominium	@	Upper Serangoon Rd
Riverside Primary School	@	Woodlands Crescent
Riviera Condominium	@	-
Royal Garden	@	55B Jalan Taman
Royal Square	@	Novena
Safra Town Club	@	Carpenter Street
Science Park 2	@	-
Scotts Highpark Condominium	@	Scotts Road
Seaview Condominium	@	Amber Road
Seletar Airport	@	-
Sembawang Greenvale	@	Andrews Terrace
Sembawang Shipyard	@	-
Semi-Detached House	@	1B & 1C Walton Road
Sengkang Primary School	@	Compassvale Walk
Sengkang Methodist Church	@	Anchorvale Road
Serangoon Mall	@	-
Shuqun Secondary School	@	Jurong East
Silversea	@	Amber Road
Sims Green Condominium	@	Lorong 27A Geylang
Singapore Polytechnic	@	Dover
Singapore Press Holding	@	Toa Payoh
Sky @ Eleven	@	Thomson Lane
Sports Complex	@	Jurong West St. 93 / Pioneer Road North
Sports Complex	@	Pasir Ris
Sungei Gedong Camp	@	-
Super Continental Factory	@	Tuas
Tangerine Grove	@	Paya Lebar Crescent
Tanglin Trust School	@	Portsmouth Road
Tanjung Gul Camp	@	-
Tates' Residence Condominium	@	Claymore Road
Teck Ghee Primary School	@	AMK St. 32 / AMK Ave 8 - Rebuilding Works
Telok Kurau Primary School	@	Bedok Reservoir Road
Temasek Primary School	@	Bedok South Avenue 3
The Amaranda Gdns Condo	@	Serangoon Avenue 3

To be continued...





# Project References

The Ansley Condominium	@	Serangoon Avenue 3
The Dew	@	Bukit Batok St. 21
The Edgewater Condominium	@	Jalan Loyang Besar
The Ford @ Holland	@	Ford Avenue
The Fullerton Hotel	@	Fullerton Square
The Garden	@	Sin Ming Walk
The Inspira Condominium	@	Arnasalam Chetty Road
The Jade	@	Bukit Batok St. 31
The Nexus	@	Bukit Timah
The Parc Condominium	@	West Coast Walk
The Seaview	@	Amber Road
The Shelford	@	No. 1 Shelford Road
The Skywoods Condominium	@	Dairy Farm Road
The Tate Residences	@	Claymore Road
The Tier Condominium	@	Pegu Road
The Venue Residences & Shoppes	@	Upper Serangoon Road
The Waterina	@	Geylang
Toh Guan Centre	@	Toh Guan Road
Tong Huat Poultry Processing Fty	@	Senoko Crescent
Townsville Institute - A & A	@	Margaret Drive
UE BizHub EAST	@	Changi Business Park
UE Print Media Hub	@	Tai Seng Avenue
Upp Aljunied Condominium	@	Upper Aljunied Road
Urban Resort	@	Cairnhill Road
Urban Suites	@	Hullet Road
Urbana Condominium	@	-
Victoria Junior School	@	Bedok Road
Waterina Condominium	@	Guillemard Road
West Spring Primary School	@	Bukit Panjang
Westwood Primary School	@	Jurong West
White Sands Primary School	@	Pasir Ris
Wilkie Studio	@	Wilkie Road
Woodlands Church	@	-
Woodlands Crescent Primary School	@	-
Yishun Park	@	Yishun Avenue 11

To be continued...



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