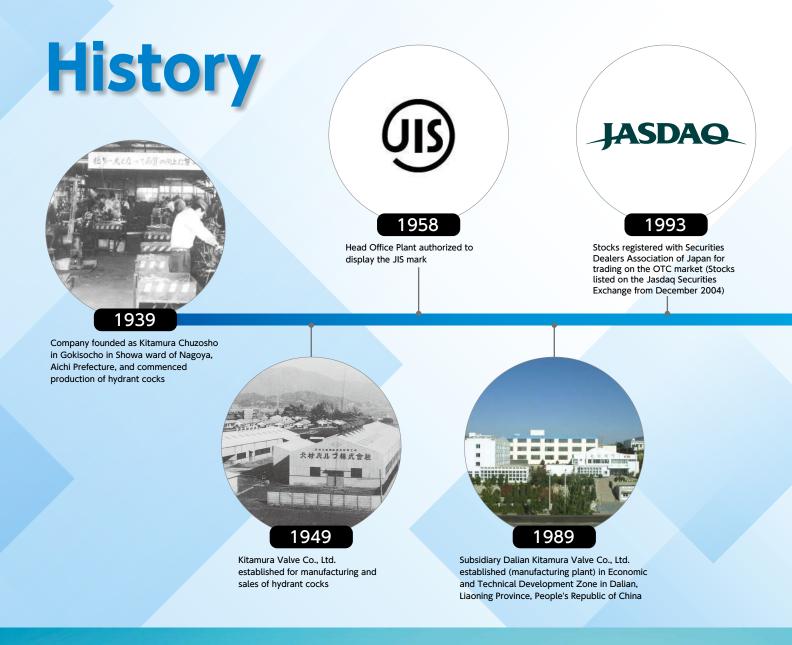


# Water Repellent





# **Manufacturing process**



01 Development

There are two main tasks in the development process that keep us one step ahead in innovating new water-related space. One is to respond to customer needs by making improvements, and the other is to create new products through research. We experiment with new materials, incorporate new technologies, and create industry-leading products.



#### 02 Casting

Utilizing our cutting-edge casting technology and accumulated experiences through the years, we have introduced machineries that enables sharp transfer from pouring sand to die-cutting through careful selection and management of molding sand, that forms the basis for casting. We also have state-of the art equipment and facilities, which include a melting system that can handle a wide variety of materials anticipated in the future thus enabling us to continuously perform a regularly stable and uniform castings under a strict quality control system.



03 Machining

To speedily produce better high-end quality products, we have implemented strict quality control procedures through the introduction of Auto Dimension Measuring Equipment and Quality Inspection Devices based on our unique milling know-how and improved machining accuracy and efficiency. Intellectual technology is improved daily through the integration of skilled craftmanship and cutting-edge milling equipment at the machining center, producing processed products with high dimensional accuracy and improved reproducibility.







#### 04 Polishing

This process requires skilled craftsmanship and polishing of the product with utmost care. As a decorative product along with a water system, one of our important missions is to enhance the design of the product. We are committed to the form and beauty of our products, pursuing reliable quality with uncompromising rigor, and aiming for environmentally friendly manufacturing through the fusion of machines and human resources through automation.



#### 05 Plating

Fully automated plating equipment plays an active role in rust-resistant and beautiful luster products. The automated plating equipment finishes the product through 33 processes, including cleaning, nickel plating, and chrome plating. Plating is performed not only on metals but also on resin materials, and the plating waste liquid is recycled using ion exchange equipment to promote water recycling and pollution-free operations.



#### 06 Assembly

We manufacture high-end quality products by conducting pressure resistance and water flow inspections using our own testing equipment that incorporate advanced, cutting-edge technologies. We are also particular about our production system and based on the concept of producing "what is needed" "when it is needed" and "in the amount needed" by our customers, we are committed to efficient manufacturing with no waste, while at the same time providing a safe and secure work environment for our workers.

# **Technologies**



# Ultra Fine Bubble (Hadamo)

It contains fine bubbles less than  $1\mu$ m in diameter. Ultra fine bubbles are generated in all three shower spray modes:mist, spot, and regular.



# Clean Shower (Egg)

Activated carbon removes residual chlorine from tap water. This water-saving shower is soft and comfortable.



# **Fine Shower**

The shower from the compact spout is fine and comfortable without splashing.



### **NSF** shower

A comfortable shower with a pleasant feel, no mid-air feel, and minimal water splashing. (NSF: New Soft Feel Shower)



#### E-shower (nf)

Fresh and comfortable water-saving shower that is comfortable veen at low flow rates. (Equipped on Thermostat Shower Mixer and Single Levre Mixer) \*\*Optimal flow rate of 7 l/min saves about 30% water• One-stop type saves about 44% of water



# **E-shower**

A soft yet comfortable water-saving shower. (Equipped on e-shower 3-way one-stop type and overhead rain shower) \*Optimal flow rate of 7 L/min, saving about 44% water



#### e-lever

When water is turned on, only cold water comes out even if the lever is unintentionally put in the center, thus reducing wasted energy from the activation of the water heater.



# **Touch Style**

Both the spout side and the shower side can be easily turned on and off with a simple touch.



# Water Repellent

The body is coated with a water-repellent film to repel water, prevent water stains, and make it easy to wipe off stains.



# Safe Touch

To prevent the surface of the faucet from getting hot, a layer of air or water covers the water mixing inside the body, making it safe to touch even unintentionally.



#### **Bubbling Stream**

Gentle bubbling stream reduces water splashing. It also saves about 30% of water compared to conventional products.



#### Water Purification

Faucet with internal or built-in water purifier, or faucet compatible with built-in water purifier.



# Sensor Type (for Kitchen)

Turning the lever handle to the ON position and holding your hand over the sensor will turn water on, and holding your hand over the sensor again will turn it off, making it very convenient.



### Sensor Type (for Washbasin)

A sensor works to turn on the water when you put out your hand and turn off the water when you pull back your hand, making it both convenient and economical.



# **Overhead Rain Shower**

#### Scan here to see the video of Overhead Shower Square Type Scan here to see the 3D simulation of **Overhead Rain Shower (Square)** 0 30 ■ Hot water temperature regulation (approx. 50°C) KF3060MB KF3060 KF3090 (R) With 170 mm pipe KF3110 (R) With 170 mm pipe KF3170 (R) With 170 mm pipe Matte Black Overhead Rain Shower Plated Overhead Rain Shower KF3090L (L) With 170 mm pipe KF3110L (L) With 170 mm pipe KF3170L (L) With 170 mm pipe (E-Shower) Square Shower Head : ZS312MB Shower Hose : Matte Black 1.6m (E-Shower) Square Plated Overhead Rain Shower Plated Overhead Rain Shower Plated Overhead Rain Shower Shower Head : PZS313T (E-Shower) Square Shower Head : PZS313T (E-Shower) Square (E-Shower) Square Shower Hose : New High Metal 1.6m Shower Head : PZS313T Shower Head : PZS313T Hanger : Matte Black Hanger : Chrome Shower Hose : New High Metal 1.6m Shower Hose : New High Metal 1.6m Shower Hose : New High Metal 1.6m Hanger : Chrome Hanger : Chrome Hanger : Chrome è R 68 Scan here to see the video of Overhead Shower Round Type Shower Switching Handle Unit Scan here to see the 3D simulation of **Overhead Rain Shower (Round)** 0 30 **Right-Hand Type** Hot water temperature regulation (approx. 50°C) Plated Overhead Rain Shower (E-Shower) Round Left-Hand Type KF3140(L) • KF3130(L) • KF3180(L) • ZS3130(L) · KF3090(L) · KF3110(L) · KF3170(L) • ZS3080(L) Type This unit switches between an overhead rain shower and a hand shower KF3120 KF3140 (R) With 170 mm pipe KF3130 (R) With 170 mm pipe KF3180 (R) With 170 mm pipe Shower Head : PZS313T KF3140L (L) With 170 mm pipe KF3130L (L) With 170 mm pipe KF3180L (L) With 170 mm pipe Shower Hose : New High Metal 1.6m Shower Head : PZS313T Shower Hose : New Metalic 1.6m Shower Head : PZS313T Shower Hose : New Metalic 1.6m Shower Head : PZS313T Hanger : Chrome Shower Hose : New Metalic 1.6m Hanger : Chrome Hanger : Chrome Hanger : Chrome H 2 è P **Product Features** Features of Overhead Shower ..... Unique Spray Structure Shower Head PZS313T ZS312MB Overhead Rai Straight Shower on the Outside Chrome Matte Black Head 12 30 30° E-Shower in the Cente Adjustable Shower Position & Shower Head The shower position can be swiveled by 60 degrees (30 degrees per side) and the shower head can be tilted by 24 degrees (12 degrees per side), so you can take a shower in the best position as you like Shower Hanger

Straight Shower Overhead E-Shower (Chrome)

A wide shower that can fit up to your shoulders. The combination of two types of showers creates an incredible refreshing feeling that only an overhead shower can provide. With a shower that is wide enough to cover both of your shoulders, your entire body will feel warm and comfortable by only taking a shower

E-Shower

Chrome

Matte Black

Bathroom

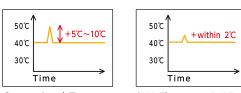


#### High Performance SMA Cartridge

The SMA (shape memory alloy) makes it easy and smooth

to adjust the water temperature. Such a comfortable SMA cartridge

Such a comfortable SMA cartridge It can prevent the water from getting too hot at the moment when the mixer is turned on and off.



Conventional Type

SMA Thermostastic Mixer



#### Shower Head : E-shower (Nf) Function

Save water while providing a fresh and comfortable shower.



**Innovated Structure** 

The center is a swirling shower

(e-shower Nf) that generates a

vortex to spray water all at once,

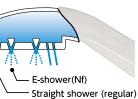
and the outside is covered with

a regular straight shower. The combination of two types of showers provides a fresh and

comfortable to take even at low

water-saving shower that is

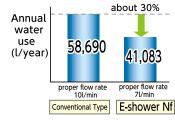
flow rates.





Example

Water-Saving Effect: About 30%







Shower Hanger

Plated

8

Matte Black





KM6001EC2 Cartridge included Internal Water Purifier Type Water Tray Included (Z591S2) Spout Rotation Regulation 110°

%1 water purification cartridge included



**Replacement Indicator** 

er Grip

Adjust the indicator to 4 months after the replacement. e.g. if the replacement is in August, set the indicator to December, which is the time for next replacement.







Easy Replacement of Water Purification Cartridges



[Raw Water]

Straight Stream



④Insert the shower head and tighten to install.

Scan here to see the 3D simulation of KM5061 Series

①Turn the shower head to the left to remove it.

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Single Lever Kitchen Mixer for Built-In Water Purifier

# Water Tray Included (Z591S2) Spout Rotation Regulation 110



KM5061NSCEC Cartridge Set included KM5061NEC Cartridge Set Sold Separately lever K SHOWER



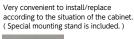
KM5061NSC Cartridge Set included KM5061N Cartridge Set Sold Separately





2

Scan here to see the video of KM5061 Series



Set with the type including water

purification cartridge set.



Water Purification Cartridge Set Z38450

Either vertical or horizontal

Vertical Installation Horizontal Insallation







■ Water Tray Included (Z591S2) ■ Spout Rotation Regulation 110





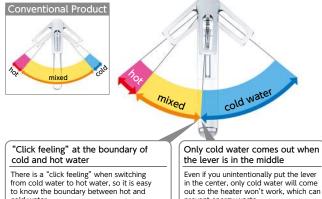


NSF Shower Pull-Out Shower Head Straight Stream

cold water.

#### Cut unnecessary hot water use

The e-lever faucet, with its structure that only allows cold water to come out when the lever is in the middle, can naturally prevent energy waste compared with the conventional product.



prevent energy waste.





Pull-Out Shower Head NSF Shower Straight Stream

#### Easy to achieve the proper flow rate

You will feel a click when the lever is in the position of the proper flow rate, which makes it easier to use water properly without constantly adjusting the lever. \* The first click is the reminder of the proper flow rate.

KM5031T

NSF SHOWER





# KM6091 KM6081

Single Lever Kitchen Mixer for Built-In Water Purifier (Sensor Type) KM6091 Series

Scan here to see the video of KM6091 Series 0



KM6091EC KM6091DEC



KM6091SCECM4 KM6091DSCECM4 KM6091ECM4 KM6091DECM4



Product Number	Product Number	Power Supply	Color
With water purification cartridge	Without water purification cartridge		
KM6091SCEC	KM6091EC	AC100V	Chrome
KM6091SCECM4	KM6091ECM4		Matte White
KM6091SCECM5	KM6091ECM5		Matte Black
KM6091DSCEC	KM6091DEC	Battry (AA)	Chrome
KM6091DSCECM4	KM6091DECM4		Matte White
KM6091DSCECM5	KM6091DECM5		Matte Black
	1100		

Spout Rotation Regulation 110°

# Single Lever Kitchen Mixer for Built-In Water Purifier KM6081 Series



Product Number



Spout







KM6081SCECM4 KM6081SCVECM4 KM6081ECM4 KM6081VECM4



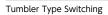
Rotation Color With water purification cartridge Without water purification Regulation cartridge KM6081SCEC KM6081EC Chrome KM6081SCECM4 KM6081ECM4 160 Matte White KM6081SCECM5 KM6081ECM5 Matte Black KM6081SCV11EC KM6081V11EC Chrome Both 110° and 80° are available. KM6081SCVECM4 KM6081VECM4 Matte White KM6081SCVECM5 KM6081VECM5 Matte Black



Product Number

#### **Product Features**





New Straight Stream

Button

Shower Sprav

Large Space under Spout

Pull-out Shower Head



Purified Water On





# Scan here to see the 3D simulation of KM6121 Series Scan here to see the video of KM6121 Series 謖 Single Lever Kitchen Mixer for Built-In Water Purifier KM6121 Series 0 KM6121SCEC KM6121SCECM5

KM6121EC

KM6121SCECM4 KM6121ECM4

KM6131DECM4

KM6121ECM5

AC Type

Standby Sign

Light faintly on.

Battery Type

Standby Sign

, Light off.

Glowing LED lights means water on

Glowing LED lights means water on

Water On Sign

White light on.

Water On Sign

Brightly flickering.

AC Adapter

Battery Box

AA alkaline

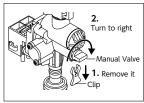
batteries(4pcs)

Product Number	Product Number	Calar	
With water purification cartridge	Without water purification cartridge	Color	
KM6121SCEC	KM6121EC	Chrome	
KM6121SCECM4	KM6121ECM4	Matte White	
KM6121SCECM5	KM6121ECM5	Matte Black	
Spout Rotation Regulation	160° With Water Tray Z591S2		

**Product Features** 



Easy to turn water on and off by holding your hand over it. You can turn water on and off even when your hands are covered in foodstuffs without touching or contaminating the faucet.



Emergency (Power Outage) Remove the clip and turn the manual valve fully to the right.

# NSF Shower Straight Stream

**One-Push Switching** 



**Emergency Measure** 

for Power Outages

As an emergency measure during power outages, the

manual valve of solenoid

to turn water on and off

using only a lever handle,

with no need for sensor.

valve unit can be operated

Rotatable Shower Head



Large Space under Spout



Battery

, Change Sign

Red light on.

Water Purification Cartridge Set



Pull-out Shower Head

#### Z38450 Set with the type including water purification cartridge set.

Spout Rotation Regulation 80°

Spout Rotation Regulation 110° Spout Rotation Regulation 160°



\*Indicates the left/right regulation angle of the spout rotation regulation \*The angle of regulation may be slightly larger than indicated.



off

Purified Water On





\*Indicates the left/right regulation angle of the spout rotation regulation. \*The angle of regulation may be slightly larger than indicated.









### Single Lever Basin Mixer



FSL210DEFT Slim Body







Slim Body



KM8021T(EC)

1 Pull-Out Hose





Bubble Stream



Pull-Out Hose

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Scan here to see the video of FSL210DEFT Series





Scan here to see the video of FSL210DET Series

Lever Handle Operation Range The lever handle can be turned 20'to the right (cold water side) and 60'to the left (hot water side). FSL210DET-FSL210DEFT







#### Scan here to see the video of FSL150DEFT Series 0 Single Lever Basin Mixer FSL150D(E)T 1 T 45° 45° Pull-Out Hose Bubble Stream Rotatable Head FSL150D(E)FT FSL150DET FSL150DEFT FSL150DT FSL150DFT Cover 6 NSF Shower Pull-Out Shower Head Bubble Stream 360° Rotatable Head Scan here to see the video of KM8001TFEC Scan here to see the 3D simulation of KM8001T Series Scan here to see the video of KM8001TEC Series 0 0 KM8001TF(EC) KM8001T(EC) KM8001TFEC KM8001TEC KM8001TF км8001т Pull-Out Shower Head NSF Shower Bubble Stream Pull-Out Hose Bubble Strea NSF SHOWER Cever 8 Hair-Washing Basin Mixer Scan here to see the 3D simulation of FSL120• FSL121 Series Scan here to see the video of FSL120 Series Scan here to see the video of FSL121 Series Scan here to see the video of KM8007 Series Scan here to see the video of KM8007S3 Series Scan here to see the 3D simulation of KM8007 Series 0 0 0 a KM8007EC FSL120DET FSL121DET KM8007S3EC FSL120DT FSL121DT KM8007 KM8007S3 NSF SHOWER FSL120D(E)T FSL121D(E)T KM8007(EC) KM8007S3(EC) Comfortable NSF Shower Slideable Shower Slideable Shower Comfortable NSF Shower Soft Shower Spray Slideable Shower Seesaw Switch Slideable Showe 10 9 1

NSF Showe

Straight Stream

Shower Spray

Bubble Stream

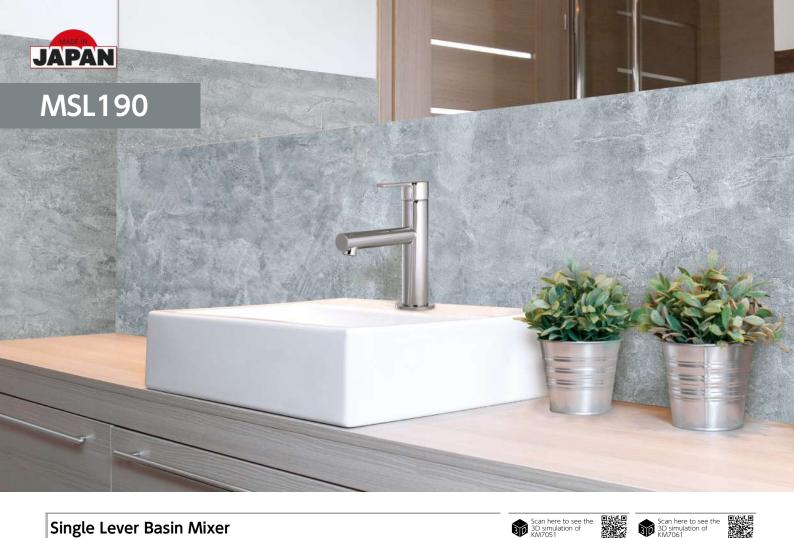
NSF Shower

Bubble Stream

Soft Shower Spray

Bubble Stream

18



# Single Lever Basin Mixer

Slim Body ■ Without Check Valve ■ Brass Tube Type ■ Mounting Hole \$\phi32\screw\$\$ \$\phi37\screw\$\$ \$\phi39\$ mm





Color: Matte White 

■ Without Check Valve ■ Brass Tube Type



KM7051EC ■ Mounting Hole ¢24~¢25 mm

■ Without Check Valve ■ Brass Tube Type



Cever &

KM7051M5

Mounting Hole

â

Color: Matte Black

KM7051LM5 Long Body

φ24~φ25 mm : KM7051M5 φ35~φ38 mm : KM7051LM5







■ Mounting Hole  $\phi$ 35~ $\phi$ 38 mm







■ Mounting Hole  $\phi$ 35~ $\phi$ 39 mm or  $\phi$ 24~ $\phi$ 25 mm







#### KM7041ECLS Color: Sentoku Finish (Antique Brown) ■ Mounting Hole \$\$5~\$\$8 mm



KM7051LEC Cerer 🚷

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Hot Mixed

Water







Lever Handle Operation Range The lever handle can be turned 20° to the right (cold water side) and  $60^{\circ}$  to the left (hot water side).







KM7061M4 KM7061LM4 Long Body Color: Matte White Mounting Hole φ24~φ25 mm : KM7061M4 φ35~φ38 mm : KM7061LM4











KM7051M4

Mounting Hole

Color: Matte White

KM7051LM4 Long Body



KM7061EC



















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Scan here to see the 3D simulation of KM7061





E1704 ■ Cold Water Only(1~40°C) Power Supply/ Space under Spou AC100 Battery (AA) Color Power Supply: Battery (AA) Product Number Product Numbe Caution: Do not use in areas 41 mm E1700 E1700D where freezing may occur. 88 mm E1700L E1700DL (••) 👌 143 mm E1700L2 E1700DL2 Chrome 196 mm E1700L3 E1700DL3 251 mm E1700L4 E1700DL4 Easy Replacement of Existing Faucets 88 mm E1700LM4 E1700DLM4 Chrome Matte White Matte Black with Sensor Faucets Matte White E1700L2M4 143 mm E1700DL2M4 196 mm E1700L3M4 E1700DL3M4 88 mm E1700LM5 E1700DLM5 Matte Black 143 mm E1700L2M5 E1700DL2M5 196 mm E1700L3M5 E1700DL3M5 Dark Black E1700L3BN E1700DL3BN 196 mm Sentoku Finish E1700L3S E1700DL3S 196 mm Battery type, (Antique Brown) wiring work is not required. Dark Black Sentoku Finish 0 (Antique Brown) Scan here to see the 3D simulation of LFK612 Color Series Vertical Faucet (Single Faucet) 0 Scan here to see the video of K1103 Serie 30 ■ Cold Water Only ■ Do not use for hot water supply ■ Without Check Valve ■ 90°opening/closing handle Tip switch opens and closes by 90 LFK612-107 LFK612X-M4 LFK612X-M5 LFK612X-S LFK612X-BN K1103L3 Spout Space 196mm LFK612X-187S LFK612-187 LFK612X-187M4 LFK612X-187M5 LFK612X-187BN K1103L Spout Space 88mm Color: Sentoku Finish Color: Matte Black Color: Dark Black Color: Matte White K1103L2 Spout Space 143mm â (Antique Brown) Ô â â

â

# Arts and Crafts Washbasin

Size: ¢320 x (H)110 mm ■ Drain Hole : ¢41 ■ Hasami Ware

Kokudei (Black Mud)/Flat KV37A



Seiji (Celadon)/ Wave KV47A



KV38A



Pink Luster/ Wave KV89A

KV48A

Hakuji (White Porcelain)/Flat

Silver Grass/ Wave KV54A

Hakuji (White Porcelain)/ Wave KV49A



Yuzen (Classic Flower Design)/Flat KV61A



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Fitting: VR731PAL

20





the second s

# Water Repellent



#### Features of Water Repellent Faucets

- 1 Easy to clean and long-lasting luster.
- ② Water stains and dirt are less likely to adhere to the body and spout.
- ③ Water stains and dirt can be easily wiped off.

\*Please wipe the faucet properly.

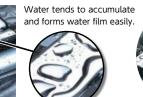
- Water stains can be difficult to wipe off occasionally.  $\ensuremath{\Re}$  In-House Test
- Water repellent coating effect: tested to endure 10,000 wipes.

# Water Repellent Coating (Special fluorine coating) Water repellent effect Special fluorine coating Plated Surface Base Surface

With Water Repellent Coating



# Without Water Repellent Coating





No Water Repellent Coating Water stains easily remain.

Scan here to see the video of PZS370 0

### **Ultra Fine Bubble Shower**





JAPAN

\*The number of bubbles, etc. are listed in the web catalog.



#### Shower Features Fine mist shower. A mode that allows you to



Structure Features The number and spacing of the holes are adjusted to ensure an even showering at a distance of about 20 cm.

fully enjoy Ultra Fine Bubbles while minimizing skin irritation. It is expected to remove sweat and sebum while maintaining skin moisture.

The hole and structure are designed to create a shower hat feels just right to the skin, neither too thin nor too rough.



For Scalp

#### Shower Features

Thin and dense shower spray. This mode allows you to indulge in Ultra Fine Bubbles while feeling the comfortable pressure massaging your skin.

#### Structure Features

252 holes with a diameter of 0.3 mm, finer than before. By using a stainless steel spray plate, a fineness and density (hole spacing) that cannot be achieved with resin has been realized. \*Comparison with straight stream of e-shower(nf)

products.

# hadamð

#### Ultral Fine Bubble Shower

The fine bubbles with a diameter of less than  $1\mu$ m, are gentle to the skin and remove dirt and sebum.

> Ultra Fine Bubble Shower Head PZS370 Fine Bubble Mist · Spot · Regular Showe With attachments for other manufacturers' products





For Body

#### Shower Features

A wide shower spray. This mode allows you to enjoy Ultra Fine Bubbles while efficiently rinsing off bubbles of body soap with a moderate spread

#### Structure Features

64 holes with a diameter of 0.8 mm, larger than conventional products. The silicon nozzle allows for easy removal of dirt by simply rubbing it with your finger

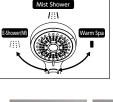
Scan here to see the video of PZS320

### 3-Way One-Stop Wide Shower



E-ShowerNf 3-Way One-Stop Wide Shower Head

- PZS360T 3 Shower Options
- One-Stop Funtion With decompression device
- Chrome Shower Head



Mist Shower



Scan here to see the video of PZS360T

0



Fine misty shower spray Shower hanger not included. Soft and comfortable shower Relaxing like bathing in a spi



Clean Shower (Water-Saving Type)





# **KVK** CORPORATION

#### **Overseas Business Sec.**

641 Inari, Takahata, Tomika-cho, Kamo-gun, Gifu Prefecture, 501-3304, Japan TEL +81-574-55-1135 FAX +81-574-55-1146 URL https://www.kvk.co.jp/ Facebook https://www.facebook.com/KVKCorporation



