

Panasonic

Home Shower

2017 Vol.1



A SPLASH OF
GOODNESS
IN EVERY SHOWER

Live up your day with Panasonic

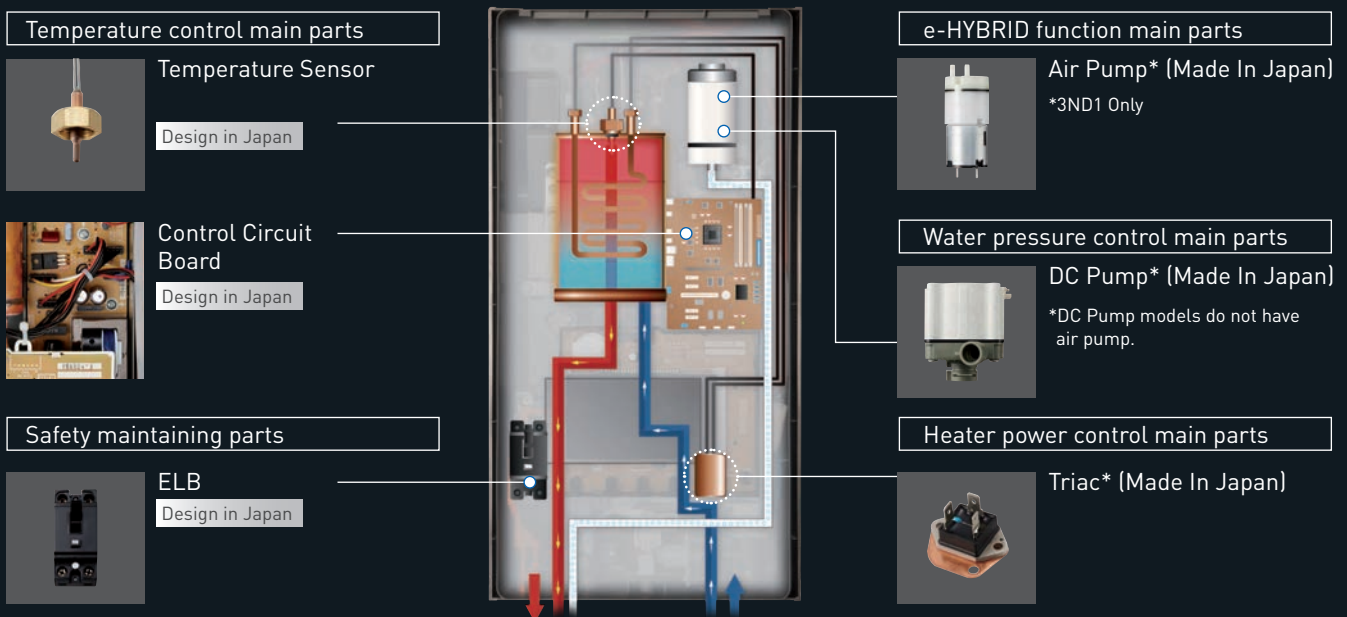
History of Panasonic Home Shower

For more than 35 years, we have continued to develop products and accumulate know-how that allows us to deliver safe, easy-to-use, comfortable products to our customers.

<p>1977 1st model in Thai Market. </p> <p>1979 1st model in Malaysian Market. </p> <p>1991 1st model with ON/OFF switch Developed & introduced 3rd generation model with ELB </p> <p>1995 Introduced 3 way Shower Head    Wide Spot Normal</p> <p>1998 Air bubble from Shower Head pops when it hits the BODY </p>	<p>2002 1st build-in DC Pump in industry </p> <p>2004 Introduced slim models (Slim 7cm) and pipe heaters.  Large ON/OFF button 70mm</p> <p>2008 Introduced new slim models (E-Sen) and new slim shower head with Ag+Crystal-Antibacterial function. </p> <p>2012 Introduced for Magic Health Series e-CYCLE, e-HYBRID </p> <p>2014 Trendy design with mirror finishing. </p> <p>2016 New luxury and sleek design </p>
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Japan Technology

By designing all major parts for the temperature control in Japan to achieve more precise control, we are able to support greater showering safety and comfort for our customers.



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Japan Technology

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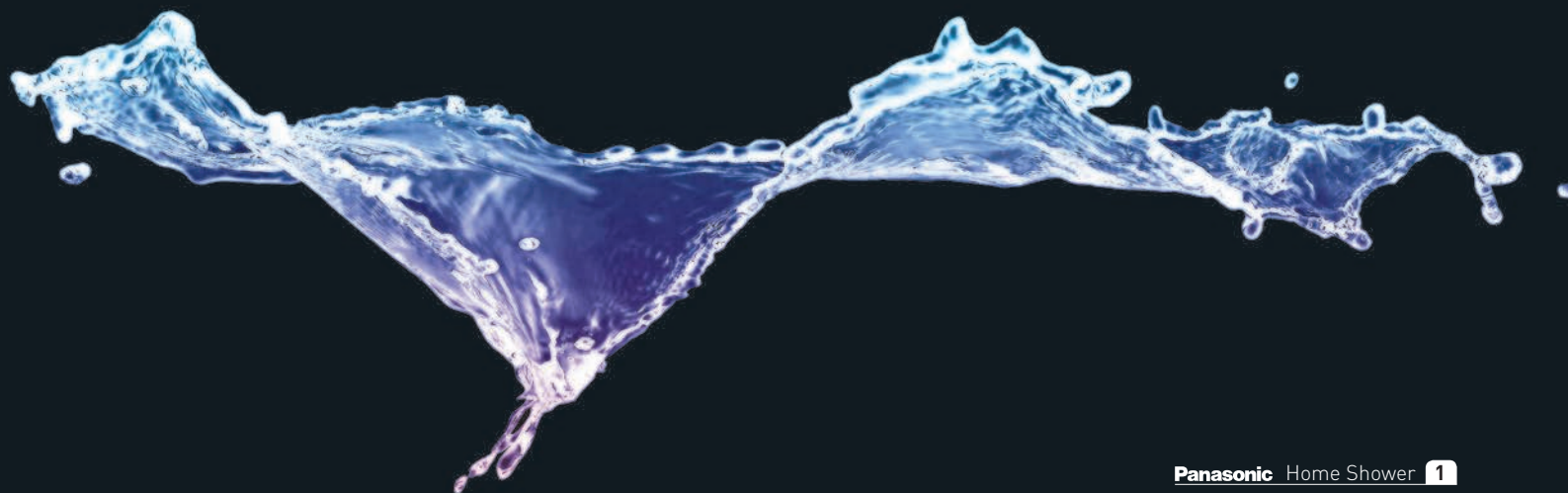
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Luxury Shower Style

The shower is used so often, day in and day out, that it has become an essential part of our daily lives. Panasonic sees the shower as an important element to not only keep our bodies clean, but also to refresh our minds and keep us healthy. We make shower time more comfortable by raising the basic performance of your shower while also enhancing comfort, health, and safety. The end result is a more luxurious, more rewarding shower experience.



Panasonic Electric Home Shower Concept



- One Push ON/OFF Switch
- 3-Way Shower Selector
- Digital Temperature Control with Large LCD Display

- 9 Safety Points
- Japan Technology

- e-CYCLE
- e-HYBRID
- Ag+Crystal-Antibacterial Shower Head

Comfort

Panasonic has insisted on providing its showers with advanced functions and easy operation. This offers a higher level of showering comfort that relaxes body and soul.

Stylish and Easy to See

NDP1/ND1

Large LCD Display

The NDP1/ND1 is equipped with a stylish, easy-to-see LCD screen on the main unit. This convenient display shows you the set shower temperature, mode, and time at a glance. The shower temperature can also be adjusted and the mode switched with a simple touch button operation.



Silent Operation

NDP1/HP1/NP2/
MP2/MP1/JP2

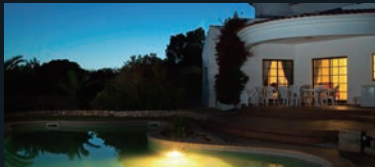
Silent DC Pump

The DC pump gives you both a powerful water flow and quiet operation. You can feel free to take a shower late at night or after the family has gone to sleep.

*Made In Japan DC pump



Industry 1st

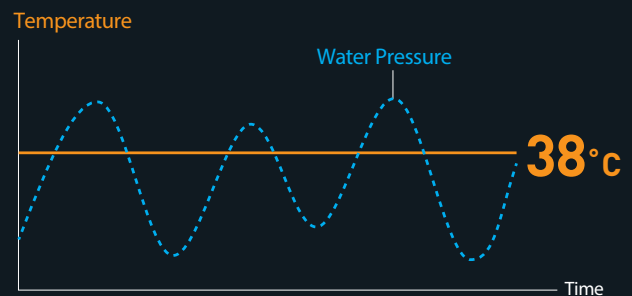


The Comfort of a Steady Temperature

NDP1/ND1/MT1

Built-in Temperature Sensor

The temperature sensor is built into the main unit lets you maintain a constant shower temperature. You don't need to worry about the temperature changing while you shower, so you can enjoy showering in comfort.



Easy Switching Shower

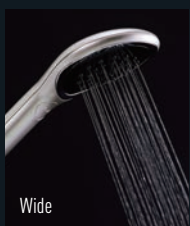
NDP1/ND1/HP1/
NP2/NS2/NS1/MP2/
MP1/MT1/MS1

3-Way Shower Selector

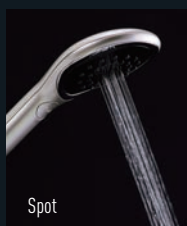
The switch selector on the shower head gives you 3-way control of the shower flow: Normal, Spot, or Wide. The Selector Button is built into the grip, so it's easy to press, and you can switch the shower flow with a single hand.



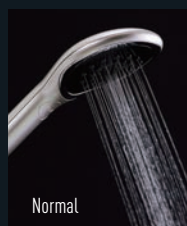
*The Selector button on the HP1/MP2/MP1/MT1/MS1 is in a different position.



Wide



Spot



Normal

Easy & Safety Push

NDP1/ND1/HP1/
NP2/NS2/NS1/MP2/
MP1/MT1/MS1

One Push ON/OFF Switch

A large, easy-to-press ON/OFF switch on the main unit. The large button can be pressed even while showering with your eyes closed. One push lets you turn off the water and the electricity. It's a quicker, more convenient way to turn off the water.



Health

NDP1/ND1

The Panasonic Home Shower is more than just a shower function. It is also filled with healthful functions. Using it will improve your health from the inside out.



e-CYCLE

e-CYCLE technology, water alternates between hot and cold temperatures automatically. This amazing and revolutionary new discovery helps improve blood circulation and helps achieve healing, relaxing, detoxifying and massaging effects all at once.

e-HYBRID*

e-HYBRID combines a mixture of water and bubbles. This generates ultrasonic waves that vibrate the body and produce a cleansing effect. This also generate thermal energy that results in a Hyper Thermic effect. The negative ions create a renewal effect to the body and further enhance daily health.

*Only applicable to DH-3ND1MS

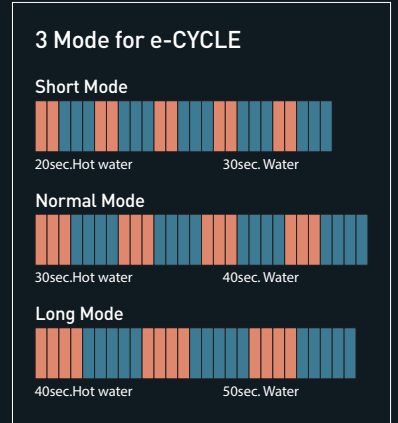
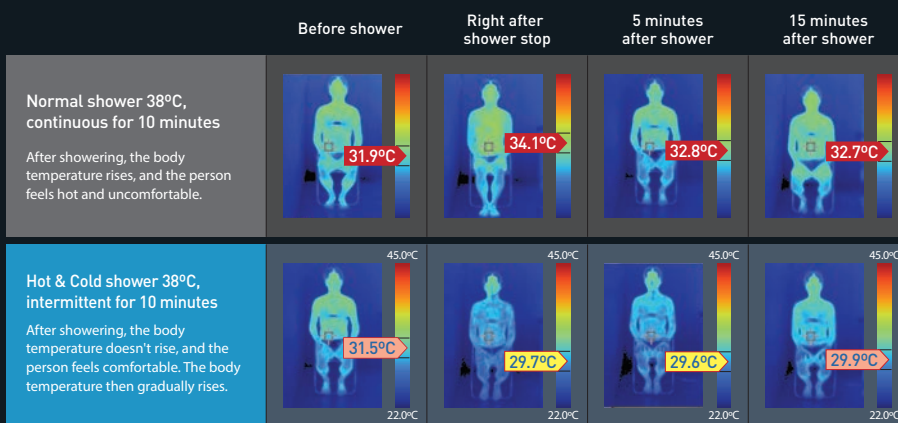
Eco & Saving

Save up to 43% on energy consumption

e-CYCLE

Thermal Effect

With the e-CYCLE shower, your body does not experience any hot flashes after you step out of the bathroom. Keeping your body's temperature in check, you will experience the same warmth even 15 minutes after your shower, ensuring your body feels good, and improving overall blood circulation.



Healing Relax Effect

Increases in emotions such as joy and relaxation, while reducing negative feelings such as anger and sadness are apparent after the e-CYCLE shower. Stress levels also drop, and users feel more relaxed and comfortable. You will also experience an increase in energy and feel more awake.

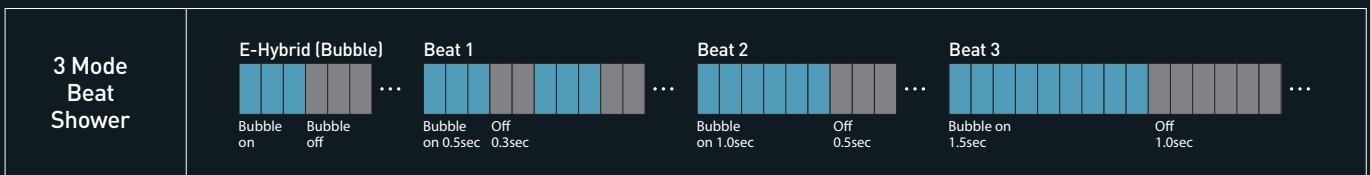
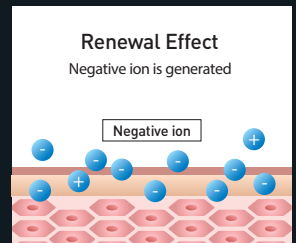
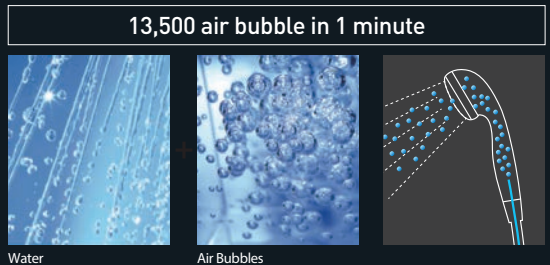


e-HYBRID

Hyper Thermic effect

Our e-HYBRID shower technology combines a mixture of water and bubbles. This generates ultrasonic waves that vibrate the body and produce a cleansing effect. The ultrasonic waves also generate thermal energy that results in a Hyper Thermic effect. The negative ions create a renewal effect to the body and further enhance daily health.

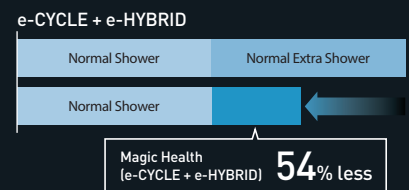
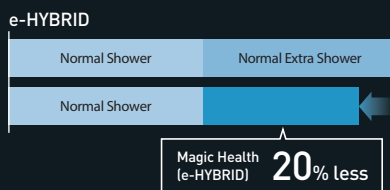
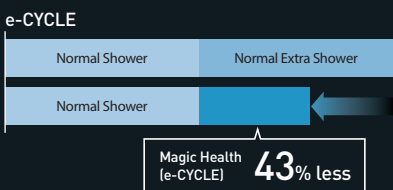
*Only applicable to DH-3ND1MS



Eco & Saving

Gentle on the environment

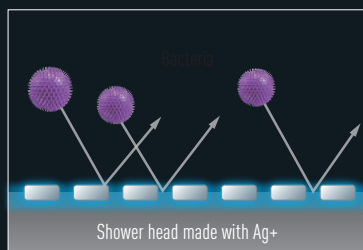
Magic Health not only keeps the body and mind healthy, it is also gentle on the environment. With e-CYCLE technology, its continuous cycle of generating 40 seconds of hot water and 30 seconds of cold water reduces 43% of the electricity usage. e-HYBRID also reduces water use by up to 20%, and eco e-HYBRID technology reduces waste and helps save energy. Magic Health refreshes you without causing you to worry about the electricity bill or water use.



Maintaining Cleanliness

Ag+ Crystal Antibacterial Shower Head

The antibacterial material containing Ag+ (silver) prevents mold generation. It prevents mold in the shower head, which often occurs in the humid environment of the bathroom, so the shower head remains constantly clean.



NDP1/ND1/HP1/
NP2/NS2/NS1/MP2/
MP1/MT1/MS1

9 Safety Points

1



Insulated Structure

- Comply with IEC 60529 for protection provided by enclosure against access to hazardous parts with a finger and foreign objects
- Prevent electrical shock

2



Water Splash Proof Case Cover

- Comply with IEC 60529 (IP25) for protection
- The joint between the front plate and back plate has a water-resistant design
- Prevent fire/electrical shock

5



Manual Reset Thermostat

- Cut off power supply in the event of component failure resulting in continuous heating in abnormal conditions
- Prevent fire

6



Durable Copper Heater Unit^{*1} / Reinforced Polyamide Heater Unit^{*2}

- Self extinguish, non-combustible material for container
- Heat Resistant
- Prevent fire

^{*1}3ND1, 3NDP1, 4HP1, 3NS2, 3NP2, 3NS1

^{*2}3MP2, 3MP1, 3MT1, 3MS1, 3RP1, 3RL1

7



Auto Thermal Cut-Out (55°C)

- Cut off power supply in the event of water temperature exceeds hazards limit
- Prevent from burns (first-degree burn)

3



Non Flammable Material Compliance

- UL-94-V0 Classification Material
- Self extinguish, noncombustible material for external casing (Front Plate/Back Plate)
- Prevent fire

4



One Push ON/OFF Switch / Main Switch ON/OFF

- Switch off both main power line and water supply line directly
- *The R Series only switches ON/OFF the main power line.
- Prevent burning and electric shock

8



Built-in Earth Leakage Breaker (ELB)

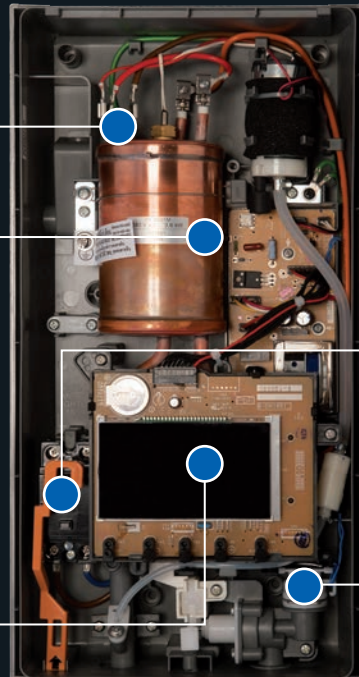
- Mechanical Type, Double Pole Switch
- Double safety as it cuts off both neutral and live line completely if electricity leakage occurs
- Power supply cuts off automatically when unit has current leakage
- Prevent electric shock

9



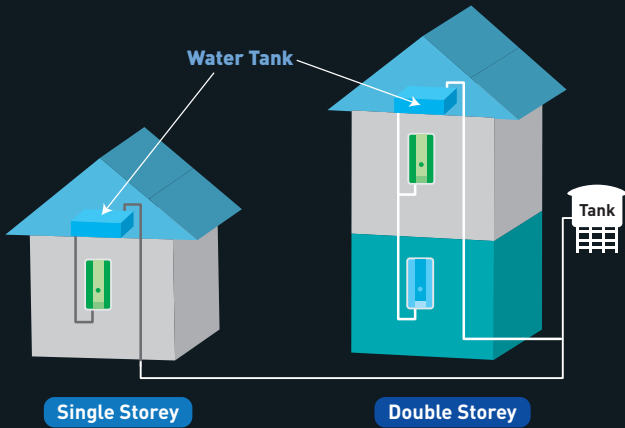
Water Flow Sensor

- Cut off power supply if the water flow is too low which can lead to water temperature from becoming very hot
- Prevent over-heating





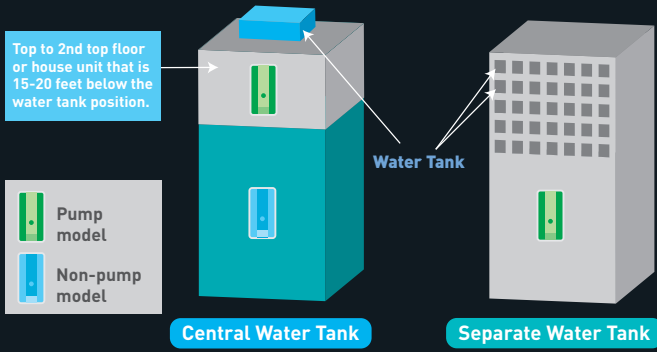
Home Shower Selection Tips



Method 1

The following diagrams are the general recommendation for which type of Panasonic electric home shower to be installed for optimum showering sensation (with or without built-in pump model) based on type of house.*

1) Single, double storey terrace house, bungalow, low rise building, etc



2) Condominium, apartment and high rise building - depends on location of the water tank

Method 2

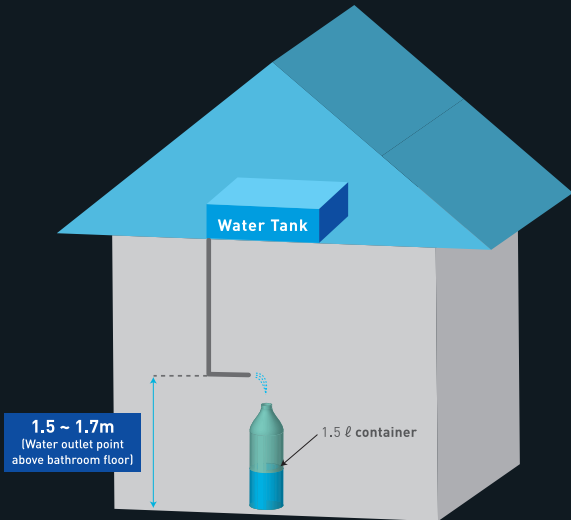
More precise method to determine which type of Panasonic electric home shower to be used.

1.5l Technique:

Measure time taken to fill up water in a 1.5 litre container.

Recommendation:

Pump model : > 15 seconds
 Non-pump model : < 15 seconds



*The final result may vary subject to the pipe distance from the water tank, size of the pipe and other factors that may affect the water pressure.

Electric Home Shower Product Line-up

N Series

NDP1/ND1

DH-3NDP1MS
DH-3ND1MS



Pump Model
DH-3NDP1MS

Non Pump Model
DH-3ND1MS

The NDP1/ND1 has a luxurious, Sleek Elegant Design. It offers reliable safety with a stylish appearance that matches bathroom spaces. The water temperature is maintained by electronic control, which lets you set the temperature with large LCD panel operation. The Magic Health function relaxes body and mind, to provide an even more comfortable shower time.

Main Features

- Large LCD Display
- Digital Temperature Control with LCD
- Magic Health: e-CYCLE, e-HYBRID



*Only applicable to DH-3ND1MS

NS1

DH-3NS1MW



Main Features

- 3-Way Shower Selector
- Ag+ Crystal-Antibacterial Shower Head
- 9 Safety Points



Non Pump Model
DH-3NS1MW

N Series

NP2/NS2

DH-3NP2MS
DH-3NS2MS



Pump Model
DH-3NP2MS

Non Pump Model
DH-3NS2MS

The NP2/NS2 has a luxurious, Sleek Elegant Design. The beautifully textured metal look finish on the main unit and hose add to the luxury of the bathroom. Of course, it provides 9 safety points, and operation is enhanced by One Push ON/OFF Switch and shower mode switching on both the main unit and the shower head.

Main Features

- 3-Way Shower Selector
- Ag+ Crystal-Antibacterial Shower Head
- 9 Safety Points

Sleek Elegant Design

Ag+ Crystal Shower Head

Copper Tank

9 Safety Points

Luxury Design



The slim, round form of the main unit with a stylish design that is both soft and flexible. This design of main unit makes your bathroom more stylish.



Large LCD Display
NDP1/ND1

Skin Silver Finish
NDP1/ND1



Chrome Accent Ring
NDP1/ND1
NP2/NS2

Oval Design
NDP1/ND1
NP2/NS2/NS1

Metallic Look Shower Hose
NDP1/ND1
NP2/NS2

Electric Home Shower Product Line-up

M Series

MP2/MP1
MT1/MS1

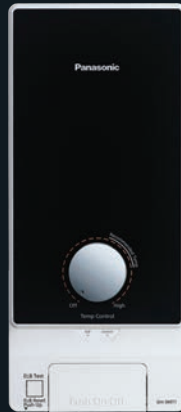
DH-3MP2MX
DH-3MP1MW
DH-3MT1MK
DH-3MS1MW



Pump Model
DH-3MP2MX



Pump Model
DH-3MP1MW



Non Pump Model
DH-3MT1MK



Non Pump Model
DH-3MS1MW



Main Features

- 3-Way Shower Selector
- Ag+ Crystal-Antibacterial Shower Head
- 9 Safety Points



H Series

HP1

DH-4HP1M



Pump Model
DH-4HP1M



Main Features

- 3-Way Shower Selector
- Ag+ Crystal-Antibacterial Shower Head
- 9 Safety Points



R Series

RP1/RL1

DH-3RP1MK
DH-3RL1MW

Main Features

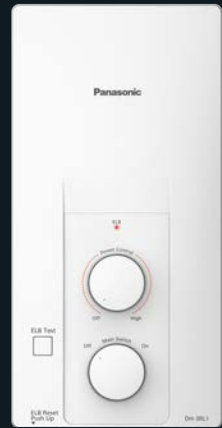
- ON/OFF Rotary Switch
- 9 Safety Points
- DC Pump

Polyamide Tank

9 Safety Points



Pump Model
DH-3RP1MK



Non Pump Model
DH-3RL1MW

Feature Comparison

	N Series					M Series				H Series	R Series	
	DH-3NDP1MS	DH-3ND1MS	DH-3NP2MS	DH-3NS2MS	DH-3NS1MW	DH-3MP2MX	DH-3MP1MW	DH-3MT1MK	DH-3MS1MW	DH-4HP1M	DH-3RP1MK	DH-3RL1MW
Comfort	Large LCD Display											
	Temperature Control		Power Control				Temperature Control		Power Control			
	DC Pump		DC Pump			DC Pump				DC Pump		
	One Push ON/OFF Switch											
	3-Way Shower Selector											
Health	e-CYCLE											
		e-HYBRID										
Ag+ Crystal-Antibacterial Shower Head												
Safety	9 Safety Points											

Electric Home Shower Specifications

Model Number		N Series				
		DH-3NDP1MS	DH-3ND1MS	DH-3NP2MS	DH-3NS2MS	DH-3NS1MW
Type		Digital		Analog		
SPECIFICATION						
Power Supply	V/Hz	240 V, 50 Hz				
Power Consumption	kW	3.6 kW				
Water Pressure (kgf/cm ²)	Max	3.87 kgf/cm ²				
	Min	0.05 kgf/cm ²	0.1 kgf/cm ²	0.05 kgf/cm ²	0.1 kgf/cm ²	
Water Pressure (kPa)	Max	380 kPa				
	Min	4.9 kPa	9.8 kPa	4.9 kPa	9.8 kPa	
Jet Pump		DC PUMP	—	DC PUMP	—	
Power Selection		Digital Temperature Control with LCD		Electric Power Control		
Power Stop System		One Push Stop System				
Water Stop System						
PRODUCT						
Body	Color	Skin Silver		Crystal Silver		Crystal White
	Dimension (H x W x D) mm	380 x 200 x 89				
Shower Head	Color	Skin Silver		Crystal Silver		Crystal White
	Design	Oval				
	Spray Type	3-Way				
	Shower Plate	Ag+ Anti Bacteria				
Body Weight (Net)	Kg	3.0	2.2	2.6	1.7	
FEATURES						
e-CYCLE		•		—		
e-HYBRID		—	•	—		
Large LCD Display		•		—		
9 Safety Device	1	Push On-Off Switch	•			
	2	Built-in ELB	•			
	3	Heater Unit	Copper			
	4	Auto Thermal Cut Off	55°C			
	5	Manual Reset Thermostat	•			
	6	Water Flow Sensor	•			
	7	Water Splash Proof	IP25			
	8	Structure	Insulated			
	9	Material	Non Flammable Material Compliance			

M Series				H Series	R Series	
DH-3MP2MX	DH-3MP1MW	DH-3MT1MK	DH-3MS1MW	DH-4HP1M	DH-3RP1MK	DH-3RL1MW
Analog						
240 V, 50 Hz						
3.6 kW				4.8 kW	3.6 kW	
3.87 kgf/cm ²						
0.05 kgf/cm ²		0.1 kgf/cm ²		0.05 kgf/cm ²		0.1 kgf/cm ²
380kPa						
4.9 kPa		9.8 kPa		4.9 kPa		9.8 kPa
DC PUMP		—		DC PUMP		—
Electric Power Control		Electric Temperature Control	Electric Power Control			
One Push Stop System					On / Off Power Knob	
					Water Control Valve	
Mirror Finish	White	Black	White		Black	White
420 x 185 x 85				450 x 170 x 89	380 x 190 x 93	
Solid White				White	Solid White	
Round						
3-Way					1-Way	
Ag+ Anti Bacteria					—	
2.8		1.7	1.6	3.2	2.7	1.6
—						
—						
—						
•						
•						
Plastic				Copper	Plastic	
55°C						
•						
•						
IP25						
Insulated						
Non Flammable Material Compliance						

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