

# Panasonic®

## Operating Instructions & Installation Instructions

Washing Machine  
(Domestic use)

Model No.

**NA-140VS4**

**NA-168VS4**

**NA-148VS4**



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Thank you for purchasing this appliance.



- For optimum performance and safety, please read these instructions carefully.
- Before connecting, operating or adjusting this appliance, please read the instructions completely. Please keep this manual for future reference.

## Electrical Connection (UK and Republic of Ireland only)

**For your safety, read the following text carefully.**

This appliance is supplied with a moulded 3-pin mains plug for your safety and convenience.

A 13-ampere fuse is fitted in this plug.

Should the fuse need to be replaced, ensure that the replacement fuse has a rating of 13 amperes and that it is approved by ASTA or BSI to BS1362. Check for the ASTA mark  or the BSI mark  on the body of the fuse.

If the plug contains a removable fuse cover, ensure that it is refitted when the fuse is replaced.

If you lose the fuse cover, do not use the plug until a replacement fuse cover is purchased at your local dealer.

### WARNING

**If the fitted moulded plug is unsuitable for the mains socket in your home then the fuse should be removed and the plug cut off and disposed of safely.**

**There is a danger of severe electrical shock if the cut off plug is inserted into any 13-ampere socket.**

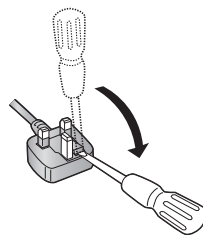
### How to replace the fuse

The location of the fuse differs depending on the type of AC mains plug (Figures A and B).

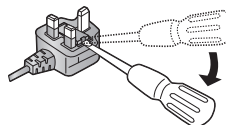
Confirm the AC mains plug is fitted and follow the instructions below. Illustrations may differ from the actual AC mains plug.

Open the fuse cover with a screwdriver and replace the fuse and close or attach the fuse cover.

- Figure A



- Figure B



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## SAFETY PRECAUTIONS

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Read and follow these safety precautions.

### **WARNING**

**This describes issues which could cause death or serious injury.**

#### **General Use**

- This appliance can be used by children aged 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be done by children without supervision.
- Do NOT place a stand or a chair close to the appliance.  
Children may reach the control panel or climb onto or into the appliance.
- Turn off the water supply to the appliance if it will not be used for a prolonged period, such as during a holiday. This is particularly important if there is no drainage around the appliance.  
If the water supply is left on, the water pressure may increase and result in a leak.



## **SAFETY PRECAUTIONS**

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- Do NOT install the appliance in a damp location or in a location exposed to the weather.  
This may result in product malfunction or deterioration, electric shock or fire.
- Do NOT spill water directly onto any part of the appliance.  
This may result in malfunction, electric shock or fire.
- Keep sources of ignition, such as candles or cigarettes, away from the appliance.  
They may cause a fire or damage to the appliance.
- Keep flammable materials away from the appliance, for example, gasoline, thinner, alcohol, or clothing soaked with these materials.  
They may cause an explosion or a fire.

### **Power source and cable**

- Unplug the mains lead when cleaning the appliance.

## SAFETY PRECAUTIONS

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### **WARNING**

- Check the mains lead and mains plug for damage.  
If the mains lead is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons to avoid a hazard.
- Do NOT use a mains plug adaptor or extension cable. There is a possibility of overheating which may cause a fire. Use an unused household mains socket, fully rated at AC 220 V to 240 V. If you are not sure, contact a qualified electrician.
- ENSURE the mains plug is fully inserted into the household mains socket.  
Otherwise, a loose connection may overheat and cause an electric shock or fire.
- Do NOT touch the mains lead or mains plug with wet hands.  
Doing so may cause an electric shock.
- Do NOT pull the mains lead but hold the mains plug to unplug the appliance.  
Otherwise, the mains lead may be damaged, which may lead to an electric shock or fire.

## **SAFETY PRECAUTIONS**

### **To Prevent Injury**

- The appliance should be installed by the manufacturer's dealer or service agent. If the installation, test run and inspection are not carried out following the installation method outlined in these instructions, the manufacturer will not be liable for any accident or damage caused.
- Do NOT dismantle, repair or modify the appliance.  
The appliance may malfunction, which may result in a fire or an injury. If repairs are needed, contact your local Customer Communications Centre.
- Do NOT touch the laundry inside the drum until it has completely stopped, as there is a possibility of injury. Keep children away from the rotating drum.

### **CAUTION**

**This describes issues which could cause injury or damage your belongings.**

#### **General Use**

- Prior to use, turn on the tap and check the hose and connections for any leaks. Improper connection could cause leaks.

*Read Before Using - 7*

## SAFETY PRECAUTIONS

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### **CAUTION**

- Use the new hose-sets supplied with the appliance and old hose-sets should not be reused.
- This appliance is only suitable for textiles labelled washing machine washable.
- Do NOT connect to the hot water supply.  
This appliance works **ONLY** with cold water.
- Do NOT apply pesticide, hair spray or deodorant to the appliance.
- Do NOT put any electrical equipment, for example, TV, radio or battery charger, on or near the appliance.
- Do NOT put excessive laundry or detergent into the appliance.  
This may cause damage to the appliance.
- REMOVE the anchor bolts using the supplied spanner or a similar tool before installing the appliance. The anchor bolts are used to transport the appliance.  
If the anchor bolts are not removed, the appliance will vibrate severely during use.

## **SAFETY PRECAUTIONS**

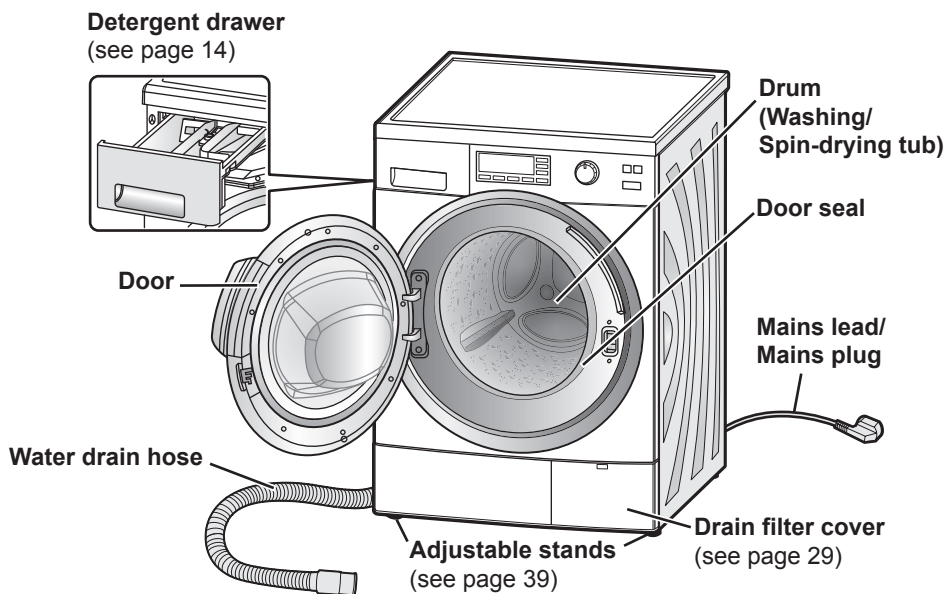
### **To Prevent Injury**

- Do NOT climb onto the appliance.  
This may cause injury or damage to the appliance.
- Keep fingers away from the door hinge when opening and closing the door.
- Do NOT slide your hand (or unprotected foot) underneath the appliance when in use.
- Check all of the laundry and remove all objects such as nails, pins, coins, clips, metal wires, etc.  
They may cause damage to the laundry or the appliance.
- Do NOT use the appliance to wash waterproof sheets or clothing. There is a possibility of excessive vibration or failure during the spin cycle, which may result in an injury, damage to the appliance or a water leak.
- BE CAREFUL when draining hot water out of the drum.
- BE CAREFUL not to get laundry caught in the door seal when it is closed. This may result in a water leak or damage to the laundry during the wash cycle.

*Read Before Using - 9*

# Checking Your Washing Machine

## Your washing machine



### CAUTION

Do NOT bend the mains lead when the appliance is running.

## Accessories

Make sure that all the accessories are supplied with the appliance.

### Elbow (see page 41)

For fixing the water drain hose



### Spanner (see pages 38-39)

End A is for adjusting the stand. End B is for the anchor bolts.

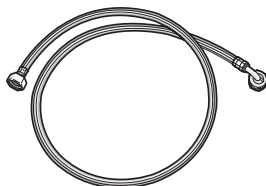


### Cover cap (4) (see pages 38-39)



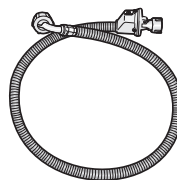
### Water supply hose (see page 40)

Either one of these hoses is supplied with the appliance.



Standard  
Hose

Hose with  
water supply valve  
(Not available for UK models)



## 10 - Read Before Using



## Before Washing

### Checking before use

For the appliance's initial operation or after a prolonged period of non-operation, perform the following procedures:

1. **Secure the water supply hose.**
2. **Turn on the tap.**
3. **Connect the power supply.**
4. **Make sure that the water drain hose is positioned towards a drain.**  
For more details, see page 41.

### Before initial use

The default setting is the 40 °C Cotton programme. Before using the appliance for the first time, run the programme WITHOUT any detergent or clothing to rinse out residue or moisture.

#### Note

There may be residual water in the appliance due to the factory inspection prior to shipment. This is not a malfunction.

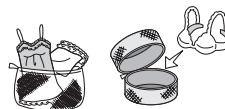
### Preparing the laundry

#### Sorting the laundry

- Read clothing care labels to sort the laundry into different loads.
- Sort the laundry by colour, type of fabric and how soiled it is. Doing so will help you choose the correct programme and temperature for each wash.
- Clothes that are not colour fast should be washed separately. Wash denim separately.



- You should put bras with metal wires, tights, lace clothing and small items into a laundry net to prevent them or the appliance from being damaged.



#### Treating stains

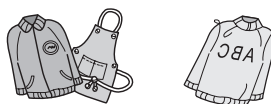
Apply stain remover to stained portions. For dirt and solid stains, wash lightly by hand first.

#### Checking clothing

- Check that the pockets on clothing do not contain any objects that may damage the clothes or the appliance.



- Tie up any loose strings on the clothing and close zippers. Turn clothing with raised fabrics and zippers inside out. Otherwise, the clothes may be damaged.



- Remove any hair, animal fur, sand and other materials with a brush before washing.

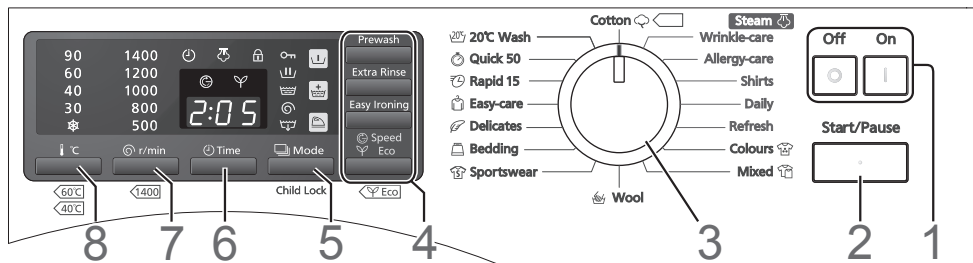


#### Note

Do not wash clothes heavily stained with large quantities of vegetable oil or cosmetic oil (aroma oil, etc.). Failure to observe this may result in the door seal swelling, causing the water to overflow and leading to malfunctions.

# Using the Buttons

Model NA-140VS4



## 1. Power buttons

- If you do not press the Start button within 10 minutes after the appliance has been switched on, the appliance automatically switches itself off.
- The display below appears for 3 seconds after the appliance has been switched off. You cannot turn the appliance on until this display disappears.



## 2. Start/Pause button

Press this button to start or pause the wash programme.

## 3. Programme selection dial

Use this dial to choose the best programme for the laundry.  
(See pages 20-21.)

## 4. Additional function buttons

Press these buttons to add functions to the programme to suit the laundry.  
(See page 26.)

## 5. Mode/Child Lock button

- Press this button to select the function of processes, for example, the Rinse and Spin function or the Drain only function.  
(See page 26.)
- Press and hold this button to set the child safety lock. The door and the controls will be locked. (See page 27.)

## 6. Time button

Press this button to preset the time for when the programme finishes.  
(See page 27.)

## 7. Spin speed button

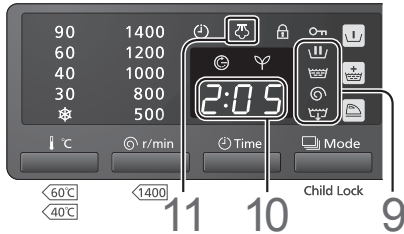
Press this button to see the spin speed (r/min) or to choose the spin speed for the programme you have selected.  
(See page 23.)

## 8. Temperature button





Press this button to choose water temperatures ranging from cold to 90 °C. You can choose hotter temperatures for whites, cottons, or soiled laundry.

## Using the Buttons

Display on NA-140VS4



### 9. Process indicator

- This indicator shows the current process of the programme. The process consists of wash , rinse , spin , and drain .
- The light turns off when the programme is finished.

### 10. Remaining time indicator


- This indicator shows the approximate time until the programme finishes. For example, '2:05' means 2 hours and 5 minutes.
- The time is calculated from the weight of the laundry measured when washing starts.

### 11. Steam indicator

The Steam function becomes operational when the Wrinkle-care, Allergy-care, Shirts, Daily and Refresh programmes are used. When you select these programmes, the Steam symbol lights up.

Moreover, during Wrinkle-care and Refresh programmes, the Steam symbol flashes on and off, indicating that the Steam operation is under way.

## Unlocking the door

The door automatically locks while in use and the  symbol is shown in locked state. A click will be heard when the door locks or unlocks.

### Note

- If the appliance is switched off with the door locked, or if there is a power interruption, the door remains locked until the appliance is turned on again.
- This is different from the child safety lock. (See page 27.)

### Press the Start button to unlock the door during operation.

After approximately 1 minute, the drum stops spinning and the door will automatically unlock.  
If the door does not open, see page 31.

### CAUTION

**If you have to unlock the door mid-programme, make sure that water from the drum does not overflow onto the floor.**

Water and soap suds may come out of the door and the door opening. You may need a towel to soak them up.

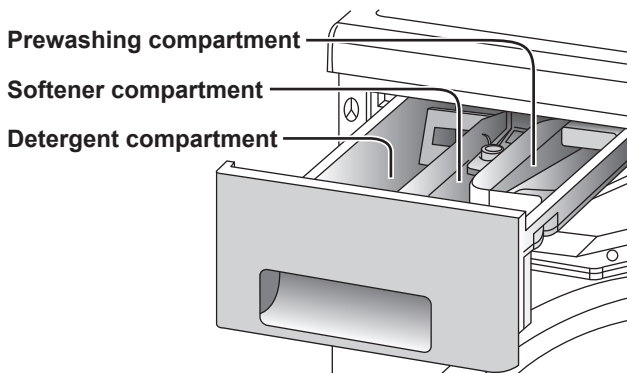
# Adding Detergent and Other Chemicals

Pull out the detergent drawer and add detergent or softener to the correct compartment. Check the packages for the recommended amounts.

## CAUTION

**Do NOT use the appliance when the detergent drawer is removed.**

This may result in a water leak.



## Detergent compartment

The following detergents and additives may be added to this compartment:

- Detergent
- Water softening agent
- Stain remover
- Tub cleaning detergent or bleach

If you use multiple chemicals in this compartment for washing, add them in the following order:

1. Detergent
2. Water softening agent
3. Stain remover

### Detergent

Use only detergents that are recommended for fully-automated washing machines. Please use low suds detergents.

When you use a detergent specifically for slightly lower temperature than 20 °C (as low as 15 °C), the 20 °C Wash programme is recommended.

## CAUTION

**If the instructions on the package indicate that detergent should be placed in the drum, do NOT put it into the detergent drawer.**

These detergents may not flow well and remain in the detergent drawer. Do not overfill with detergent. Failure to observe this may result in the detergent blocking the water supply, causing the water to overflow from the front of the detergent drawer and leading to malfunctions.

### 1. Liquid detergent

#### Note

Do NOT use liquid detergent with the Prewash function. It may flow away during the prewash.

For the Wool programme, use mild liquid detergent.

# Adding Detergent and Other Chemicals

## 2. Powdered detergent

Detergent reaches the drum only when water flushes through the detergent drawer. Thus, if you have forgotten to add detergent, run the Drain only function using the Mode button.

Then, add detergent and start washing again.

To prevent powdered detergent from remaining in the drawer, perform the following:

- Dry the inside of the drawer with a cloth.
- Make sure that the detergent is not lumpy when you add it because this may cause a blockage over time.

### Amount of Detergent

The amount of detergent you should use depends on the following factors:

- How soiled the laundry is
- Amount of the laundry
- Water hardness

The amount of foam varies according to the amount and type of detergent, how soiled the laundry is, and the hardness and temperature of the water.

### Water softening agent

If you live in a hard water area (total hardness of 1.3 mmol/L or higher), we recommend using a water softening agent. For more details on water hardness, contact your local water authority.

Use of a water softening agent can help reduce the amount of detergent required for each wash and help prevent the formation of limescale deposits, which may damage the appliance.

## Softener compartment

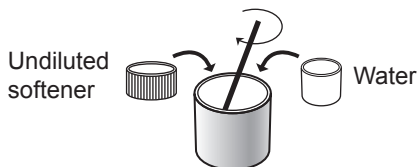
The following additives may be added to this compartment:

- Fabric softener
- Laundry starch

## Fabric Softener

To prevent static, add softener before you start washing. It will be automatically added in the final rinse cycle.

Dilute concentrated softeners before you add them. Add up to only 130 ml to the compartment to avoid overflowing.



Rinse out the remaining softener with a splash of water or a damp cloth after washing. If it sticks to the compartment, pull out the drawer and clean it out. (See page 28.)

## Laundry starch

Simply add laundry starch to the softener compartment. It will be automatically added to the clothing in the final rinsing process. Make sure that you do not fill the compartment over the MAX level.

If it is hard to pour, dilute the starch slightly with water before adding it.

### Note

After using starch, clean the detergent drawer, particularly the softener cover (see page 28). Then, run the Rapid 15 programme WITHOUT detergent to remove any excess starch in the drum.

## Prewashing compartment

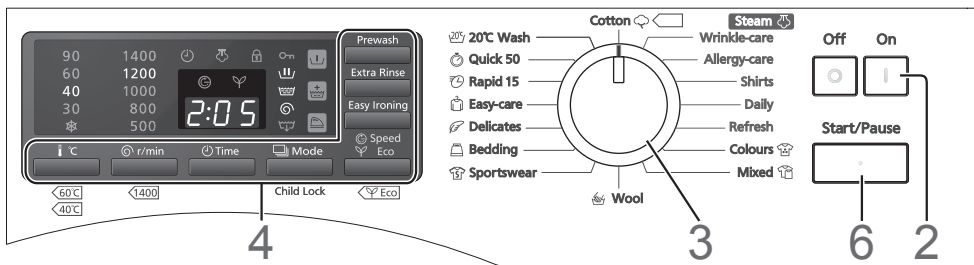
### Detergent for prewashing

Whenever you use programmes with the Prewash function, always put detergent for the prewash in this compartment.

# Washing

## Setting washing

Model NA-140VS4

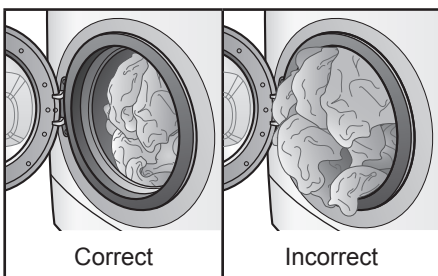


### 1. Open the door and put the laundry into the drum.

For details about preparing and sorting the laundry, see pages 11, 20, and 21.

#### CAUTION

- **Make sure to place the laundry within the drum so that it does not get caught in the door. Failure to observe this may result in damage to the door seal, leading to malfunctions.**
- **Do NOT overload the drum.** This may cause excessive vibration or damage to the appliance.



#### Note

When loading a large amount of laundry, make sure to evenly distribute the laundry throughout the drum.

### 2. Close the door and press the On button.

### 3. Turn the programme selection dial in either direction to select the programme. The programme time will be displayed.

### 20 °C Wash programme

By using the cold water of 20 °C, this programme achieves the same cleaning strength as that for 40 °C programme (except for greasy filth).

❄ Flashing: 20 °C Lighting: Cold

### 4. Select optional functions.

- Process selection (See page 26.)
  - Additional functions (See page 26.)
  - Temperature (See page 12.)
  - Spin speed (See page 12.)
- For more details about available functions and settings for each programme, see pages 22-23.

### 5. Add detergent to the detergent drawer. (See pages 14-15.)

### 6. Press the Start button.

The appliance starts supplying water. After the appliance has started, the laundry is weighed. After approximately 5 seconds, a new programme time will be displayed. If you select the Wool, Rapid 15, Shirts, Sportswear, Bedding, Wrinkle-care, Daily or Refresh programmes, the laundry is not weighed.



**The buzzer will sound when the programme has finished, and the door will unlock immediately.**

## 16 - Washing Instructions



## CAUTION

**After a high temperature wash, be careful not to burn yourself when handling the laundry or touching the inside of the drum.**

## Note

- If the detergent is not completely removed from the laundry by using the basic programme, use the Extra Rinse function.
- With the Eco and the Speed functions, if the load is big, the laundry may stick to the inside of the drum. This is normal.
- Remove the laundry and rearrange where necessary. Do not leave it in the drum too long after the programme ends to prevent colour transfer.

## Required time

Required time depends on the programme and temperature setting.

- Actual time may differ slightly from the displayed time.
- The displayed time includes the time needed for the water to fill up and to drain out, thus they vary depending on water pressure, drainage and amount of laundry.
- If you change the function setting while washing, the displayed time may change.
- If the laundry in the drum needs to be balanced, the time will be extended.

## Setting the buzzer

The buzzer that sounds when a programme finishes can be turned off.

1. **Press the Start and On buttons at the same time.**
2. **Release the On button and keep pressing the Start button for 3 seconds. The buzzer setting will be turned off after a beep is heard.**  
If you wish to reset the setting, perform the same steps 1 and 2. The buzzer setting will be turned on after two beeps are heard.

## Changing settings while washing

After washing has started, the programme, temperature and preset time cannot be changed.

- To change the programme or temperature setting, turn the appliance off and then on again.
- To change the rinse or spin setting while washing, press the Pause button once the appliance is full of water.
- You can change the Spin speed, Extra Rinse and Easy Ironing function during the washing process.
- No settings can be changed after the washing process has finished.

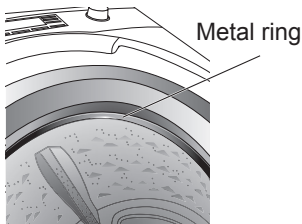
# Washing

## Steam programme

### CAUTION

#### BE CAREFUL

The metal ring may be hot after using a Steam programme.



### Note

- When temporarily halting a Steam programme, if the inside of the drum is hot, the door will not open.
- If you want to take items out of the drum while it is still operating, turn off the power once, select the Cotton programme and redo the Drain operations.

## Wrinkle-care programme

Use of the dedicated Steam programme will help to alleviate the wrinkling of clothing.

### Washable

- Dry items which are slightly creased  
Freshly washed and spun items – 1.5 kg or less

### Non washable

- Delicate clothes such as wool and silk

## Allergy-care programme

The effects of high-temperature washing and steam operations help to alleviate the effects of allergies caused by mites and pollen.

### Washable

- For items that need to be gentle to the skin, for example, underwear, sheets, towels, and baby clothes – 5 kg or less

## Shirts programme

The Steam effects during the spin-drying cycle that follows the dedicated Shirts washing cycle help to reduce wrinkles in clothing.

### Washable

- Cotton and cotton blend shirts and blouses – 2 kg or less

## Daily programme

The Steam effects during the spin-drying cycle that follows the Cotton washing cycle help to reduce wrinkles in clothing.

### Washable

- Daily washing for cotton, linen and cotton blend items – 2 kg or less

### Note

- Smaller loads give a better result.
- Remove items as soon as the programme has finished and then tumble dry using the Smoothing or Gentle smoothing programme, or place on a hanger to dry.
- You cannot switch between cycles using Mode.

## Washing

### Refresh programme

Use of the dedicated Steam programme will help to lessen odours in clothing.

### Washable

- Dry items only – 1.5 kg or less









### Non washable

- Delicate clothes such as wool and silk









#### Note

- Smaller loads give a better result.
- If you set a Steam programme with dry laundry, at the end of the cycle the laundry will feel humid. The items may need to be dried.
- Remove items as soon as the programme has finished and dry them on hangers.
- This is not a Washing programme, so it does not get rid of stains.
- Do not use detergents or fabric softeners.
- The Refresh programme will lessen cigarette and other water-soluble odours.
- If you continuously use the Refresh programme, the temperature inside the drum rises high and the door may not open soon after the operation is completed.


















## Selecting the Programme


Programme	Description	140VS4 Max load	148VS4 168VS4 Max load
 <b>Cotton</b>	Daily wash for cotton, linen and cotton blends.	<b>10 kg</b>	<b>8 kg</b>
 <b>Wrinkle-care</b>	Reduces wrinkles in dry clean garments or freshly washed and spun garments, using steam.	<b>1.5 kg</b>	<b>1.5 kg</b>
 <b>Allergy-care</b>	Cycle to remove allergens such as dust mites and pollen, using steam.	<b>5 kg</b>	<b>5 kg</b>
 <b>Shirts</b>	Wash to tackle collar and cuff grime on shirts/ blouses to prevent creasing, using steam.	<b>2 kg</b>	<b>2 kg</b>
 <b>Daily</b>	Wash for casual wear which reduces creasing of garments, using steam.	<b>2 kg</b>	<b>2 kg</b>
 <b>Refresh</b>	Refresh cycle to remove odours from dry clean garments, using steam.	<b>1.5 kg</b>	<b>1.5 kg</b>
 <b>Colours</b>	Colour-fast wash for cotton and cotton blend items.	<b>5 kg</b>	<b>4 kg</b>
 <b>Mixed</b>	Mixed load for washing various fabrics such as cotton, linen and synthetic fibres.	<b>10 kg</b>	<b>8 kg</b>

## Selecting the Programme

Programme	Description	140VS4 Max load	148VS4 168VS4 Max load
 <b>Wool</b>	Gentle wash for hand and machine washable wool and wool blend clothes preventing clothes shrinkage.	2 kg	2 kg
 <b>Sportswear</b>	For washing synthetic sportswear.	3 kg	3 kg
 <b>Bedding</b>	For washing large items such as bed sheets.	3 kg	3 kg
 <b>Delicates</b>	Gentle wash for synthetic fibre, satin, lace etc. preventing damage.	5 kg	4 kg
 <b>Easy-care</b>	Gentle wash for cotton, linen and synthetic fibres.	5 kg	4 kg
 <b>Rapid 15</b>	15 min. full rapid wash for a small amount of lightly soiled items.	2 kg	2 kg
 <b>Quick 50</b>	50 min. quick wash for lightly soiled cotton and linen blends.	5 kg	4 kg
 <b>20 °C Wash</b>	Low energy, low temp. wash for lightly soiled cotton and linen blends.	5 kg	4 kg

## Details of Programmes

Programme	Auto setting					
	Temperature <sup>1)</sup>	Number of rinses	Spin speed	Approximate time		
				140VS4	148VS4 168VS4	
 Cotton	40 °C	2	1200	1:10 - 2:05	1:10 - 1:50	
 Wrinkle-care	—	—	—	0:35	0:35	
 Allergy-care	60 °C	3	1200	2:09 - 2:34	2:09 - 2:34	
 Shirts	40 °C	2	500	1:34	1:34	
 Daily	40 °C	2	1200	1:27	1:27	
 Refresh	—	—	—	0:25	0:25	
 Colours	40 °C	2	1200	0:58 - 1:23	0:58 - 1:13	
 Mixed	40 °C	2	1200	1:09 - 1:44	1:09 - 1:44	
 Wool	30 °C	3	500	0:40	0:40	
 Sportswear	40 °C	2	800	1:30	1:30	
 Bedding	30 °C	2	800	1:02	1:02	
 Delicates	40 °C	2	800	0:55 - 1:00	0:55 - 1:00	
 Easy-care	40 °C	2	800	1:02 - 1:32	1:02 - 1:22	
 Rapid 15	30 °C	1	800	0:15	0:15	
 Quick 50	40 °C	2	1200	0:46 - 0:49	0:46 - 0:49	
 20 °C Wash	20 °C (  Flashing)	2	1200	1:14 - 1:29	1:14 - 1:29	

1)  Flashing: 20 °C Lighting: Cold

## 22 - Washing Instructions



## Details of Programmes

	Manual setting			Additional functions			
	Temperature <sup>1)</sup>	Spin speed		Eco/ Speed	Extra Rinse	Prewash	Easy Ironing
		140VS4 148VS4	168VS4				
	Cold - 90 °C	500 - 1400	500 - 1600	✓	✓	✓	✓
	—	—	—	—	—	—	—
	60 °C	500 - 1200	500 - 1200	—	✓	✓	—
	Cold - 60 °C	500 - 800	500 - 800	✓	✓	✓	—
	Cold - 90 °C	500 - 1200	500 - 1200	✓	✓	✓	—
	—	—	—	—	—	—	—
	Cold - 40 °C	500 - 1400	500 - 1600	✓	✓	✓	✓
	Cold - 40 °C	500 - 1400	500 - 1600	✓	✓	✓	✓
	Cold - 40 °C	500	500	—	✓	—	—
	Cold - 40 °C	500 - 1200	500 - 1200	✓	✓	✓	✓
	Cold - 40 °C	500 - 800	500 - 800	—	✓	—	✓
	Cold - 40 °C	500 - 800	500 - 800	—	✓	✓	✓
	Cold - 60 °C	500 - 1200	500 - 1200	✓	✓	✓	✓
	Cold - 30 °C	500 - 800	500 - 800	—	—	—	—
	Cold - 60 °C	500 - 1400	500 - 1600	—	✓	✓	✓
	Cold - 20 °C	500 - 1400	500 - 1600	—	✓	✓	✓

# Washing Delicates

## Wool and Delicates programmes

The drum spins gently in these programmes.

For details, see pages 16-17.

## Delicate laundry loads

- Wool programme: 2 kg or less
- Delicates programme:  
5 kg or less (140VS4),  
4 kg or less (148VS4 and 168VS4)

## Approximate weights

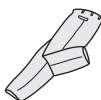
- Wool sweater: 400 g



- Silk blouse: 200 g



- Trousers: 400 g



## Tips for washing delicates

### Putting laundry in the drum

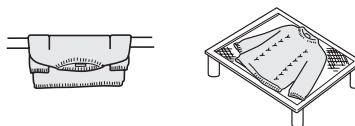
Pile items one on top of each other.

### Detergents

- For wool items, use a mild liquid detergent. Other detergents may damage the clothes.
- With Wool and Delicates programmes, you may need to use the Extra Rinse function to remove excess detergent from the laundry. (See page 26.)

## Hanging the laundry

- Hang out white or light-coloured wool and nylon items away from direct heat or sunlight.
- After washing, lay out wool and nylon clothes, and return them to their normal shape before hanging in the shade. This will help to reduce the ironing time.
- Hang wool items with creases smoothed out, or spread them out to dry.

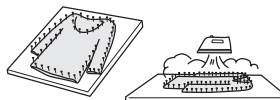


- Use hangers for shirts, blouses and trousers.  
You may wrap a towel around the hanger to approximate the clothing's shoulder width so that it will retain its shape as it dries.





## If clothing shrinks in the wash

Spread the item out to its original size on an ironing board. Use dress pins to hold the size and shape. Then, use an iron to steam it and leave it to dry.



# Washing Bedding

## Bedding programme

- Make sure that the label of each item to be washed shows either the wash or hand-wash symbol ( ,  ).
- Wash only one blanket at a time.

## Washable

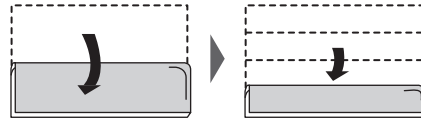
- 100 % synthetic fibre blankets – up to 3 kg
- 100 % synthetic fibre futons and 100 % cotton blankets – up to 1.5 kg (single bed size)
- Sheets
- Bedspreads
- 100 % synthetic fibre undersheets

## Non-washable

- 100 % wool blankets
- Long-piled blankets
- Electric blankets (including cover)

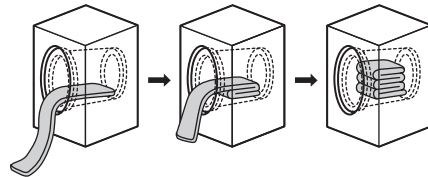
## Putting bedding into the drum

1. Fold down the blanket or bedspread into a quarter of their original size.



2. Put the blanket or bedspread into the drum.

Fold it while putting it into the drum.



Both ends of the blanket should be face the rear of the drum.

## CAUTION

**Do NOT roll the blanket or bedspread into balls, or haphazardly fold them.**

This may cause excessive vibration and damage the laundry or the appliance.

## Note

Avoid using blanket nets. They prevent the laundry from spinning properly.

## Optional Functions

### Individual washing functions






#### (Process selection)

You can select a single process, or combine several processes by selecting individual washing functions.

#### Note

You cannot select any mode functions in Allergy-care, Daily and Shirts or the Rapid 15 programme.

Press the Mode button  to select a function.

Function	Description
Rinse only 	Rinse washed laundry (Rinse water remains)
Spin only 	Spin-dry washed laundry
Rinse hold 	Wash and rinse laundry (Rinse water remains)
Rinse + Spin 	Rinse and spin-dry washed laundry
Drain only 	Drain water from the drum

- Whenever you start washing, the process indication flashes to show which function is in progress.
- If water remains in the drum with the Rinse only, Spin only or Rinse + Spin function, the operation starts from the drain process.


### Additional functions






Depending on the programme, you can combine different additional functions.

#### Note

Some additional functions cannot be used with certain programmes. (See pages 22-23.)

If you select an unavailable function, an error alarm will sound.

Press one or more of the function buttons  you wish to combine.

Function	Description
Eco 	Washing consumes less energy and water but takes longer.
Speed 	This function requires less time for washing and is suitable for lightly soiled laundry.
Extra Rinse 	Rinse your laundry more thoroughly with an extra rinsing process.
Prewash 	Prewash cycle for heavily soiled laundry
Easy Ironing 	<ul style="list-style-type: none"> <li>- Make ironing easier by spin-drying your laundry more gently (at 800 r/min or less).</li> <li>- After the programme has finished, the laundry is rotated intermittently for up to 30 minutes or until the door is opened.</li> <li>- Reducing wrinkles helps to unravel tangled laundry.</li> </ul>

You can activate or deactivate the Extra Rinse and Easy Ironing functions during a washing process but not after the process has finished.

## Optional Functions

### Preset timer

Time function is available to preset the time for the programme to finish.

- You cannot preset the Wool programme.
- The wash may finish before or after preset time depending on the kind of laundry, the temperature and conditions of water supply and drainage.

#### Note

Do NOT use detergent which does not dissolve thoroughly with the preset function because the detergent may cake up before the wash starts and does not flow out.

### Setting a preset time

Press and hold the Time button until the desired preset time is displayed.

### Changing a preset time

1. **Press the Off button and then press the On button.**
2. **Choose the desired programme and optional functions.**
3. **Set a preset time.**

### Cancelling a preset time

Press the Off button. (All settings will be cancelled.)


### Checking a preset time

Press the Time button.

### Child safety lock

The child safety lock prevents children from climbing into the drum and getting trapped. This function keeps the door closed and locked even when the appliance is not in use. It also disables the control buttons.

### Activating/deactivating child safety lock

1. **Switch on the appliance.**
2. **Press and hold the Mode button for at least 5 seconds.**  
The  symbols light up to show that the child safety lock is activated.
3. **To deactivate, hold down the Mode button again for 5 seconds (please ignore three beeps heard), and keep Mode button pressed until it unlocks.**

## Maintenance

### Cleaning the outside of the appliance

Clean the outside of the appliance with a soft cloth and mild detergent, for example, kitchen detergent, and soapy water.

#### WARNING

- Do NOT splash water over the appliance.
- Do NOT use cream cleansers, thinners, or products containing alcohol or paraffin oil.

### Cleaning the drum

If you keep using cold water in the appliance, bacteria may build up inside the drum and emit an odour. You can avoid this by running the 90 °C Cotton programme once a month. (When using a scale remover, follow the manufacturer's instructions.)

#### CAUTION

**Viruses and bacteria are not killed in water temperature of 40 °C. Pathogens can spread via the mingling of clothes and thus transmit diseases.**

Pathogens die at the temperature of at least 60 °C.

#### Note

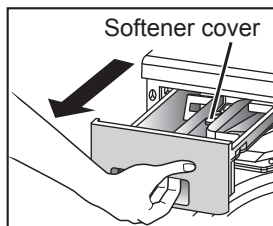
Do NOT put laundry or laundry detergent into the appliance during cleaning.

If you use tub cleaning detergent or bleach, put it into the detergent drawer before starting the wash. The appropriate amount to be used is approximately 30 ml. (See pages 14-15.)

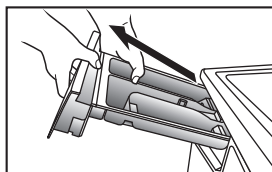
### Cleaning the detergent drawer

Detergent residue soon builds up if the detergent drawer is not cleaned regularly. Detergent buildup may develop mould.

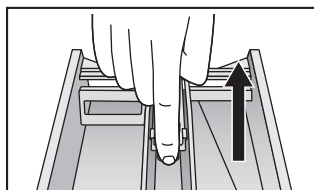
#### 1. Pull out the detergent drawer.



#### 2. Remove the detergent drawer by simultaneously lifting and pulling it.



#### 3. Put your finger on the tab near the front of the softener cover and pull it up to remove it from the detergent drawer.



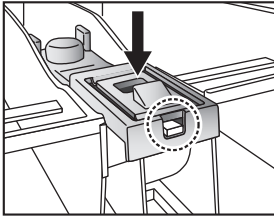
#### 4. Wash out the detergent residue with water.

Use a cloth to wipe the water from the appliance.



## Maintenance

5. Align the hole of the softener cover with the click of the detergent drawer to replace the softener cover in its original position. Then, insert the detergent drawer back to the main unit.



### Cleaning the door seal and window

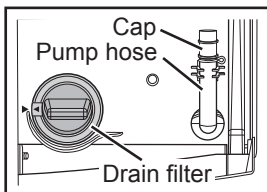
After each wash, perform the following:

- Remove any objects from the door seal.
- Wipe the window and seal to remove lint and stains.

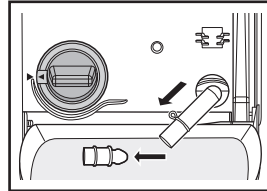
### Cleaning the drain filter

We recommend cleaning the drain filter once a month. The filter will have lint buildup, which may interrupt drainage water flow.

1. Switch off and unplug the appliance.
2. Open and remove the drain filter cover. Then, place a container underneath it to collect the drainage.

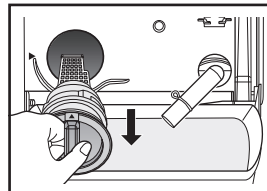
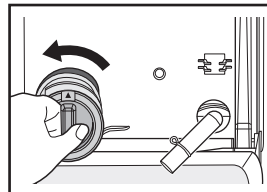


3. Pull out the pump hose and remove the cap to drain the water.



4. After all the water has drained away, carefully loosen the drain filter. More water may drain out. This is normal.

5. Turn the drain filter anticlockwise to unscrew it. Then, remove it.



6. Remove any lint and debris.
7. Replace the drain filter.
8. Replace the cap and pump hose to the original position.

#### CAUTION

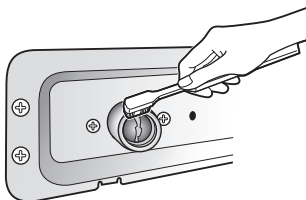
**BE CAREFUL** when draining hot water.

## Maintenance

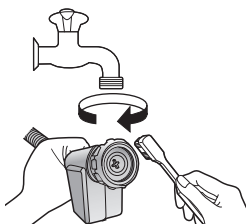
### Cleaning the water supply filter

Clean the filter if water is not supplied properly.

1. Turn off the tap.
2. Switch on the appliance.
3. Select the Cotton programme, and then press the Start button.
4. After 1 minute, switch off the appliance. Water has drained out of the water supply hose.
5. Disconnect the water supply hose from the appliance.
6. Clean the filter, which is on the rear of the appliance.  
Use a small brush, for example, a toothbrush.



7. If the unit is supplied with the hose fitted with a water supply valve, turn off the tap supplying water to the appliance, disconnect the hose from the tap and then clean the filter on the hose in the same way.



8. Reconnect the water supply hose.  
Tighten the plastic joint firmly.

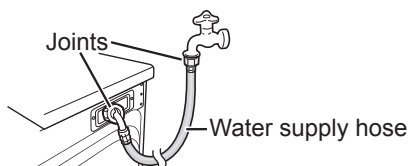
9. Turn on the tap and then check for leaks.

### Preventing a frozen water supply hose

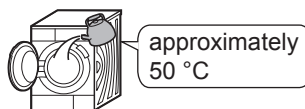
If the appliance is delivered in freezing weather conditions, after setting up, leave it at room temperature for 24 hours before using. This will ensure that the water supply hose does not become clogged with ice.

If your water supply hose freezes, perform the following procedures:

1. Wrap warm towels around the joints of the water supply hose.



2. Add 2 to 3 litres of warm water to the drum.



3. Start washing with the Drain only function, using the Mode button.  
(See page 26.)

## Fault Checklist

Problem		Cause
Washing machine	<b>Buttons do not work.</b>	<ul style="list-style-type: none"> <li>- The programme, temperature and process settings cannot be changed while washing is in progress (the rinse and spin settings can be changed).</li> <li>- Child safety lock may be activated. (See page 27.)</li> </ul>
	<b>Door does not open.</b>	<ul style="list-style-type: none"> <li>- Door lock may be activated. (See page 13.)</li> <li>- Child safety lock may be activated. (See page 27.)</li> <li>- The water temperature or level may be too high.</li> </ul>
	<b>Unusual odour</b>	<ul style="list-style-type: none"> <li>- Rubber parts may give off a smell when you start using the appliance, but the smell will go away over time. You can wash the drum by running the 90 °C programme. (See page 28.)</li> </ul>
Wash	<b>No water going into the appliance.</b>	<ul style="list-style-type: none"> <li>- The water tap may be turned off.</li> <li>- The water supply hose may be frozen. (See page 30.)</li> <li>- The water supply may be disrupted.</li> <li>- The water supply filter may be clogged. (See page 30.)</li> </ul>
	<b>There is only a small amount of water.</b>	<ul style="list-style-type: none"> <li>- If you have paused the washing and then restart it, the appliance may drain out some water. Do NOT pour water in through the door.</li> </ul>
	<b>Water builds up during the wash process.</b>	<ul style="list-style-type: none"> <li>- This is normal; water is automatically supplied if the amount of water has decreased. For heavy loads, the water may fill up repeatedly.</li> </ul>
	<b>Water drains out during the wash process.</b>	<ul style="list-style-type: none"> <li>- This is normal; the water frequently drains out and builds up in order to wash away excess foam. This feature is called foam detection.</li> </ul>

## Fault Checklist

Problem		Cause
Rinse/Spin	<b>No water flows into the appliance during the rinse process.</b>	- Before rinsing, the appliance spins to drain out remaining water. The water will fill up after that.
	<b>Rinsing begins before the spin process finishes.</b>	<ul style="list-style-type: none"> <li>- The appliance may have detected an unbalanced load, which is caused by the laundry shifting to one side of the drum, so rinsing started automatically to correct the imbalance.</li> <li>- After washing, excess foam may remain, so the water is drained out and refilled to wash it away. This feature is called foam detection.</li> </ul>
	<b>During spin-dry, the drum stops and rotates several times.</b>	- This is normal; the appliance has detected an unbalanced load and is trying to correct it.
	<b>Foam and water remain in the door or door seal.</b>	- Although some foam and water may remain depending upon the state of the laundry and the amount of detergent used, rinse performance is unaffected.
	<b>The spin process repeatedly starts and stops.</b>	<ul style="list-style-type: none"> <li>- This is normal; intermittent spinning of the tub helps the spin process to operate quietly.</li> <li>- The laundry may be too light. If so, add one or two bath towels.</li> </ul>
Time	<b>The displayed remaining time changes.</b>	<ul style="list-style-type: none"> <li>- The remaining time is estimated and corrected continually. Thus, the time displayed may change.</li> <li>- The remaining time increases if extra rinsing and spinning are required to correct an unbalanced load, which is caused by the laundry shifting to one side of the drum.</li> </ul>

## Fault Checklist

Problem		Cause
Detergent and foam	<b>There is no foam or hardly any foam.</b>	<ul style="list-style-type: none"> <li>- The amount of foam varies, depending on the temperature, level and softness of the water.</li> <li>- You may have put powdered detergent directly into the drum; you must put it in the detergent drawer.</li> <li>- You may not be using enough detergent.</li> <li>- You may be using a reduced-foam type of detergent.</li> <li>- Heavily soiled laundry and larger loads of laundry may reduce the amount of foam.</li> </ul>
	<b>There is a lot of foam.</b>	<ul style="list-style-type: none"> <li>- The amount of foam varies, depending on the temperature, level and softness of the water.</li> <li>- You may have used too much detergent.</li> <li>- The type of detergent you are using may cause excess foam.</li> </ul>
	<b>Fabric softener overflows.</b>	<ul style="list-style-type: none"> <li>- The softener may have exceeded the MAX level of the detergent drawer. (See page 15.)</li> <li>- You may have spilt the liquid when closing the detergent drawer too strongly.</li> </ul>
	<b>After the wash has finished, powdered detergent residue remains.</b>	<ul style="list-style-type: none"> <li>- You may have put powdered detergent directly into the drum; you must put it in the detergent drawer.</li> </ul>
Noise	<b>There is an unusual noise or vibration.</b>	<ul style="list-style-type: none"> <li>- There may be metal items in the drum.</li> <li>- The anchor bolts may not have been removed. (See page 38.)</li> <li>- The appliance may be on a sloping or unstable surface.</li> </ul> <p>If none of the above is the cause, contact your local Customer Communications Centre.</p>
	<b>There is noise when the water drains out.</b>	<ul style="list-style-type: none"> <li>- This is normal; it is noise generated by the operation of the drain pump.</li> </ul>
	<b>The fan makes noise.</b>	<ul style="list-style-type: none"> <li>- This is normal; the fan is cooling off the electrical parts.</li> </ul>

## Fault Checklist

Problem		Cause
Others	<b>The electricity supply cuts out while the appliance is on.</b>	- The appliance stops and will not start by itself when the power comes back on. You have to select a programme and start it again.
	<b>A circuit breaker trips and the electricity supply is cut.</b>	- The appliance stops and will not start by itself when you reset the breaker. You have to find out what caused the breaker to trip and solve it. Then, reset the breaker to turn the electricity supply back on and switch on the appliance again.
	<b>The water supply is disrupted.</b>	- When the water is supplied again, it may be impure at first. You have to disconnect the water supply hose and drain away the impure water through the tap. Make sure that the water supply hose has been reconnected before using the appliance.
	<b>The display is not clear.</b>	- The appliance may be in a brightly lit or sunlit area.

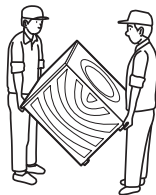
## Error Display

<p><b>U 11</b></p> <p><b>Unable to drain</b></p>	<p><b>What to do</b></p> <p>Check the drain hose for any of the following problems.</p> <ul style="list-style-type: none"> <li>- It clogs up.</li> <li>- Its tip is immersed in water.</li> <li>- It extends further than 3 m.</li> <li>- The water is frozen.</li> </ul> <p>Clean the drain filter if it clogs up. (See page 29.)</p> <p>After correcting the problem, open and close the door, and then start the wash again.</p>
<p><b>U 12</b></p> <p><b>Door is open</b></p>	<p><b>What to do</b></p> <p>Make sure that the door is shut properly.</p>
<p><b>U 13</b></p> <p><b>Unable to spin-dry</b></p>	<p>The appliance has been designed to detect unbalanced loads, particularly small loads, in order to ensure quiet operation and achieve the best results.</p> <p>This is not a malfunction. Perform any of the following solutions.</p> <p><b>What to do</b></p> <ul style="list-style-type: none"> <li>- If the laundry is too heavy, untangle clumps of clothing.</li> <li>- If the laundry such as a blanket is too heavy, reduce the load.</li> <li>- If the laundry is too light, add one or two bath towels.</li> <li>- If the appliance is on an unstable or uneven surface, change the setting location.</li> </ul> <p>After correcting the problem, open and close the door, and then start the wash again.</p>
<p><b>U 14</b></p> <p><b>Unable to supply water</b></p>	<p><b>What to do</b></p> <p>Check for any of the following problems.</p> <ul style="list-style-type: none"> <li>- The tap is closed.</li> <li>- The water pipe or hose is frozen.</li> <li>- The water supply has been disrupted.</li> <li>- The water supply filter is clogged. (See page 30.)</li> </ul> <p>After correcting the problem, open and close the door, and then start the wash again.</p> <p>If the red mark appears in the hose with a water supply valve, the water supply has stopped.</p> <p>You should replace with a new hose.</p> <p>Hose with water supply valve (No.AXW12C-7SR0)</p>
<p><b>H 01</b></p>	<p>An error display starting with H.</p> <p><b>What to do</b></p> <p>Press the Off button. If the display stays on, or if it reappears when you press the Start button, unplug the appliance and contact your local Customer Communications Centre.</p>

## Choosing the Right Location

### Carrying the appliance

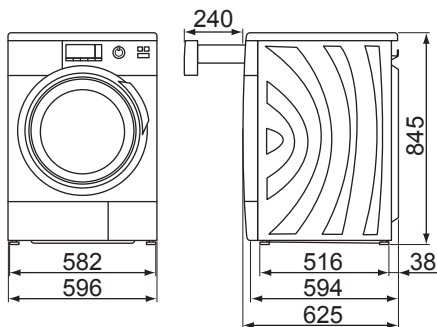
The appliance must be carried by 2 or more people.



Start by tilting the appliance backwards. One person should stand behind it, holding the rear of the top panel. The other person should grip the bottom stands in the front.

### The right place for the appliance

Make sure that there is enough space for the appliance and that openings on the base are not obstructed by a carpet.



Dimensions in millimetres

### CAUTION

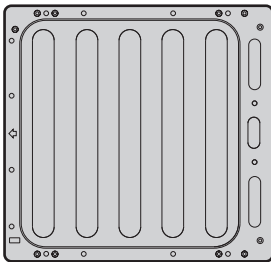
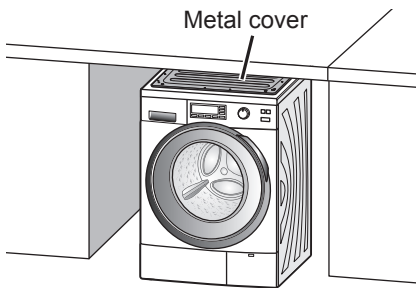
- Install the appliance on a flat, stable surface to avoid excessive vibration and noise.
- Do NOT install the appliance in direct sunlight or in a place where temperatures reach freezing.
- Do NOT let metallic portions of the appliance come into contact with metal sinks or other appliances.



## Choosing the Right Location

### Installing the set-in appliance

- You need a space of at least 60 cm wide.  
Provide at least 2 mm of clearance on both sides and at least 3 mm of clearance both on the top and the back of the appliance.
- The counter above the appliance must be firmly fixed to the adjoining cupboards.
- Have a technician install a metal cover instead of the standard cover panel.
- The plug must be accessible after installation.



Metal cover (AXW4595-7SR0)

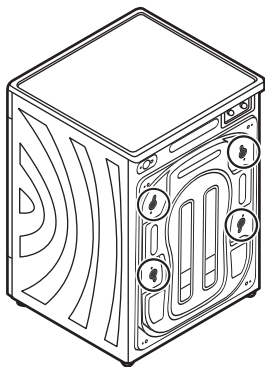
# Moving and Installing

## Removing the anchor bolts

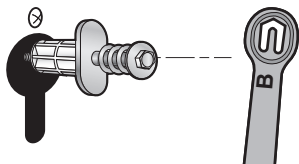
Four anchor bolts keep the interior of the appliance in place while the appliance is being moved. Remove them before installation, using the spanner supplied with the appliance. Follow the instructions below.

### Note

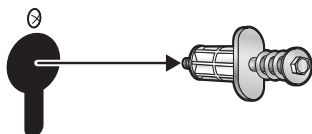
The anchor bolts must be removed before the appliance is operated. They may cause excessive vibration.



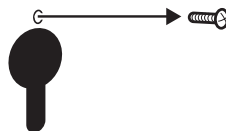
1. Use the 'B' end of the spanner to loosen the four bolts.



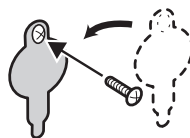
2. Pull the bolts out horizontally.



3. Remove the screws adjacent to the bolt holes.



4. Attach each cover cap (included with the accessories) over each bolt hole, and then secure them with the screws removed in step 3.



### Note

- Make sure that you store the anchor bolts because they are used when transporting the appliance. If the appliance is passed on to another person, make sure to give the anchor bolts to that person.
- Make sure the bolt caps are attached. Failure to observe this may result in water entering the washing machine, leading to malfunctions.

## Moving the appliance

### Note

Make sure to install the anchor bolts in the appliance.

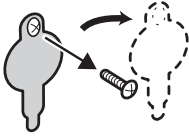
### Before you move the appliance

- Shut the tap and run the appliance to drain the water. Drain remaining water from the pump hose. (See page 29.)
- Depressurize and remove the water supply hose.
- Disconnect the power cable.
- Install the anchor bolts. (See page 39.)

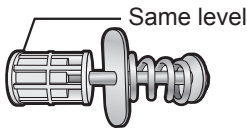
# Moving and Installing

## Installing the anchor bolts

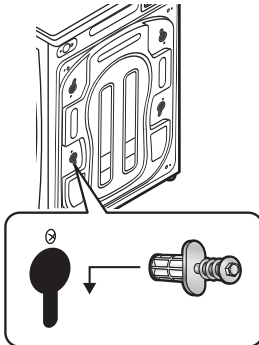
1. Unscrew and remove each cover cap.



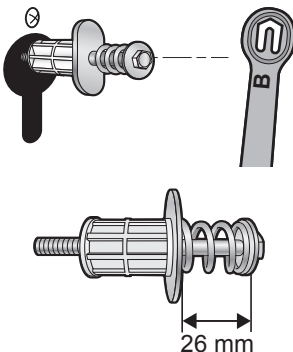
2. Pull the bolt out until the tip is level with the tip of the sleeve.  
Have another person hold the top of the drum.



3. Insert each anchor bolt.

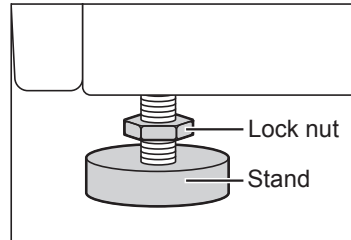
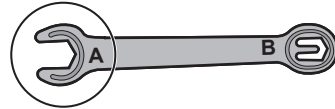


4. Tighten each bolt so that the spring extends out to the length of 26 mm.



## Levelling the appliance

Using a level enables ease in adjustments.  
To adjust the stands, use the 'A' end of the spanner.



1. Loosen the lock nut on each stand by turning it clockwise.
2. Adjust each stand by turning it clockwise or anticlockwise.
3. Use a spirit level to make sure that the appliance is properly levelled.
4. Tighten each lock nut by turning it anticlockwise.

### CAUTION

Make sure that all lock nuts are tightened securely and the stands are still securely bolted to the appliance.

If they are unbolted, the appliance will move around.

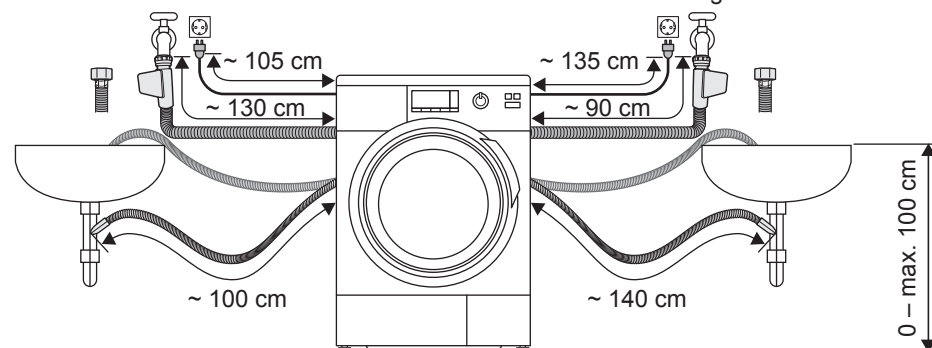
## Connecting Hoses and Power Supply

Follow the instructions in this section to prevent water leaks. If you are unsure, ask a service agent to connect the hoses.

### Hoses and cable lengths

Left side connections

Right side connections



### Water supply hose

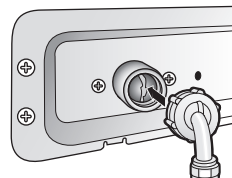
#### CAUTION

- Do NOT connect the water supply hose to a combination tap.
- Do NOT twist, squash, modify or cut the hose.

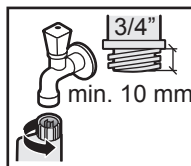
- Optimum mains water pressure is 0.03 - 1.0 MPa. If the water pressure exceeds this value, install a pressure reducing valve.
- Waterflow from the tap should be more than 5 L/min.

### Connecting the water supply hose

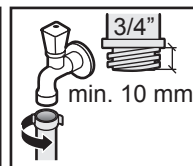
1. Attach one end of the hose to the water inlet on the back of the appliance and tighten the joint by hand.



2. Attach the other end of the hose to the tap and tighten it the same way.



Hose with water-supply valve



Standard hose

3. Open the tap slowly and make sure that there are no leaks around the joints.

The joints are subject to water pressure.

# Connecting Hoses and Power Supply

## Leak-proof System

The appliance is installed with the system that is designed to prevent water leaks. The system includes the following components.

### 1) Leak sensor

This sensor will cease operation of the appliance if it detects any leaks. It is located on the base plate of the appliance. If a leak has been detected, an error display starting with H, for example, H 01, will appear. In that case, contact your local Customer Communications Centre.

### 2) Overflow detection

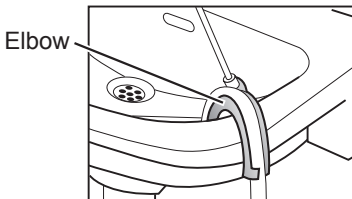
If water in the appliance increases to a certain level, this function stops the water supply and activates the drain pump.

## Water drain hose

### CAUTION

**Do NOT twist, pull out or bend the drain hose.**

### Draining to a sink or wash-basin



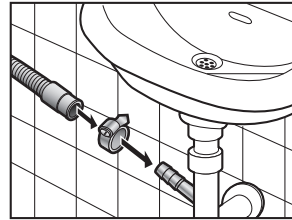
### CAUTION

**- Secure the water drain hose so that it will not come out of the basin.**

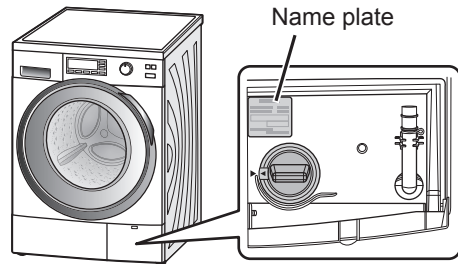
### CAUTION

- Do NOT block the drain outlet of the basin. Make sure that drainage into the drain is sufficient.**
- Do NOT let the tip of the water drain hose dip into the drained water.**  
This can cause water to flow back into the appliance.

### Draining to a drain hose



## Connecting to the power supply

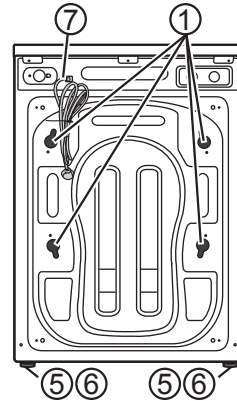
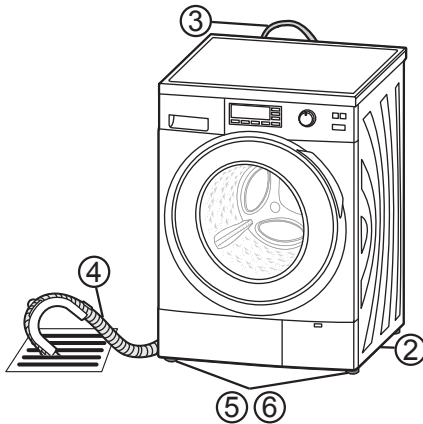


### CAUTION

**The name plate indicates the rated power that the appliance needs. Make sure that the power supply specifications in your residence match the information mentioned here.**

## Checking after Installation

### Installation checklist



- |   |   |
|---|---|
| <p>1) Anchor bolts<br/>Have you removed them and attached the cover caps properly?</p> <p>2) Location<br/>Is the appliance on a flat, stable surface?<br/>Does it run without vibrating?</p> <p>3) Water supply hose<br/>Is it free from leaks?<br/>Is the water supply normal?</p> <p>4) Water drain hose<br/>Is it free from leaks?<br/>Does it drain normally?</p> | <p>5) Adjustable stands<br/>Are they bolted securely to the appliance?</p> <p>6) Stand cushions<br/>Are they standing flat?<br/>If the appliance is not level, there may be abnormal sounds when water is drained out.</p> <p>7) Power supply<br/>Is the household dedicated mains socket fully rated at AC 220 V to 240 V?</p> |
|---|---|

## Checking after Installation

### Test run after installation

Check for water leakage, abnormal noise, and proper drainage.

Perform the following procedures WITHOUT laundry in the drum.

1. Turn on the tap.
2. Close the door.
3. Please spin after moved this washing machine.  
Press the On button. You have to select "Quick 50" course and "Spin only" mode. Then, press the Start button.  
After the water is drained, start a test run.
4. While holding down the Speed/Eco and Easy Ironing buttons, press the On button.



5. When the display appears as below (3 seconds), press the Speed/Eco button.



The remaining time is displayed as shown below.

0:03

The test is run for approximately 3 minutes.

Check the following:

- Is there any abnormal noise?  
If so, make sure that the appliance is level.
- Is there any water leakage?  
If so, make sure that the hoses are properly connected.

The following errors may occur:

U 11













- Are the hoses properly connected?  
Is the drain clogged?

U 14

- Have you properly connected the water-supply hose and turned on the tap?

After the appliance has recovered from an error, reopen and reclose the door to resume the test.

## Power and Water Consumption

Programme	Temperature	Eco function is selected	Load	Power consumption <sup>2)</sup>	Water consumption <sup>2)</sup>	Time <sup>2)</sup>
 <b>Cotton</b>	40 °C	—	10 kg	1.05 kWh	90 L	2:05
			8 kg	0.88 kWh	72 L	1:50
	60 °C <sup>1)</sup>	Eco	10 kg	0.85 kWh	63 L	3:45
			8 kg	0.65 kWh	50 L	3:45
			5 kg	0.72 kWh	50 L	3:05
			4 kg	0.55 kWh	40 L	2:55
	40 °C <sup>1)</sup>	Eco	5 kg	0.57 kWh	50 L	2:45
			4 kg	0.48 kWh	40 L	2:45
 <b>Wrinkle-care</b>	—	—	1.5 kg	0.21 kWh	—	0:35
 <b>Allergy-care</b>	60 °C	—	5 kg	1.94 kWh	98 L	2:34
 <b>Shirts</b>	40 °C	—	2 kg	0.52 kWh	31 L	1:34
 <b>Daily</b>	40 °C	—	2 kg	0.65 kWh	40 L	1:27
 <b>Refresh</b>	—	—	1.5 kg	0.20 kWh	—	0:25
 <b>Wool</b>	30 °C	—	2 kg	0.20 kWh	50 L	0:40
 <b>Sportswear</b>	40 °C	—	3 kg	0.65 kWh	45 L	1:30
 <b>Easy-care</b>	40 °C <sup>1)</sup>	—	5 kg	0.70 kWh	55 L	1:32
			4 kg	0.56 kWh	45 L	1:22
 <b>Rapid 15</b>	30 °C	—	2 kg	0.15 kWh	23 L	0:15
 <b>Quick 50</b>	40 °C	—	5 kg	0.48 kWh	50 L	0:49
			4 kg	0.45 kWh	40 L	0:49
 <b>20 °C Wash</b>	20 °C	—	5 kg	0.21 kWh	55 L	1:29
			4 kg	0.19 kWh	50 L	1:29

1) Results calculated based on the usage of the Eco function and the maximum spin speed comply with EN 60456.

2) The power, water consumption and time indicated in the table may vary depending on variations in pressures, water hardness and temperatures, room temperatures, types and amounts of laundry, voltage fluctuations and functions to be used.



# Product Fiche

(EU) No.1061/2010

Supplier's name			Panasonic		
Supplier's model identifier			NA-140VS4	NA-168VS4	NA-148VS4
Rated capacity of cotton for the standard cotton programme	at 60 °C with full load	kg	10	8	8
Energy efficiency class			A+++	A+++	A+++
Annual energy consumption		kWh/year	167	127	127
Energy consumption in kWh per year, based on 220 standard washing cycles for cotton programmes at 60 °C and 40 °C at full and partial load, and the consumption of the low-power modes. The actual energy consumption will depend on how the appliance is used.					
Energy consumption of the standard cotton programme	at 60 °C with full load	kWh	0.85	0.65	0.65
	at 60 °C with partial load	kWh	0.72	0.55	0.55
	at 40 °C with partial load	kWh	0.57	0.48	0.48
Weighted power consumption	Off-mode	W	0.2	0.2	0.2
	Left-on mode	W	0.2	0.2	0.2
Weighted annual water consumption		L/year	12400	9750	9750
Water consumption in litres per year, based on 220 standard washing cycles for cotton programmes at 60 °C and 40 °C at full and partial load. The actual water consumption will depend on how the appliance is used.					
Spin-drying efficiency class on a scale from G (least efficient) to A (most efficient)			B	A	B
Maximum spin speed attained for the standard cotton programme	at 60 °C with full load	r/min	1400	1600	1400
	at 40 °C with partial load	r/min	1400	1600	1400
Remaining moisture content attained for the standard cotton programme	at 60 °C with full load	%	53	44	53
The standard 60 °C and 40 °C cotton programme with Eco option are the standard washing programmes to which the information in the label and the fiche relates. These programmes are suitable to clean normally soiled cotton laundry and are the most efficient programmes in terms of combined energy and water consumption.					
Programme time of the standard cotton programme	at 60 °C with full load	min	225	225	225
	at 60 °C with partial load	min	185	175	175
	at 40 °C with partial load	min	165	165	165
Left-on mode duration			5 - 10 sec.		
Airborne acoustical noise emissions	Wash	dB	53	53	53
	Spin	dB	71	71	72
Freestanding appliance			Yes		

Installation Instructions - 45

## Consider the Environment

### Disposing of packaging

The packaging used to protect the washing machine from damage during transportation is all recyclable. For information on recycling, contact your local authority.

### Disposing of Waste Electrical & Electronic Equipment

**Information on disposal for users of waste electrical & electronic equipment (private households)**



This symbol on the products and/or accompanying documents means that used electrical and electronic products should not be mixed with general household waste.

For proper treatment, recovery and recycling, please take these products to designated collection points, where they will be accepted on a free of charge basis. Alternatively, in some countries you may be able to return your products to your local retailer upon the purchase of an equivalent new product.

Disposing of this product correctly will help to save valuable resources and prevent any potential negative effects on human health and the environment which could otherwise arise from inappropriate waste handling. Please contact your local authority for further details of your nearest designated disposable point.

Penalties may be applicable for incorrect disposal of this waste, in accordance with national legislation.

### Information on disposal in other countries outside the European Union

This symbol is only valid in the European Union.

If you wish to discard this product, please contact your local authorities or dealer and ask for the correct method of disposal.

### Eco-friendly Laundry

- Keep to the load limit of each programme.
- The washing machine automatically adjusts the operating time of each programme depending on the load.
- You only need to use a preliminary wash if your laundry is heavily soiled.
- Using the 60 °C Cotton programme instead of the 90 °C Cotton one will save energy and will remove ordinary stains.
- For lightly soiled laundry, using the 20 °C Wash programme instead of the 40 °C Quick 50 programme will save more energy.

### Detergent amount

- Use the correct amount of detergent based on the detergent pack instructions and local water hardness.
- Adjust the amount of detergent depending on how soiled your laundry is.

### When using a tumble dryer

To save energy, please select the correct spin speed according to the instruction of your tumble dryer.

This product complies with the directives 2006/95/EC and 2004/108/EC.







## Specifications

	NA-140VS4	NA-168VS4	NA-148VS4
Rated voltage	220 - 240 V		
Rated frequency	50 Hz		
Maximum energy rated power input	2000 - 2350 W		
Heating energy rated power input	Wash 2000 W (230 V) Steam 1000 W (230 V)		
Product weight	74 kg		
Maximum mass of dry cloth	10 kg	8 kg	
Product dimensions	596 mm (W) × 625 mm (D) × 845 mm (H)		
Water consumption	Refer to “Power and Water Consumption”.		
Pressure of tap water	0.03 - 1 MPa		

### Setting of the course for the energy consumption values

The following procedures can realise the energy consumption values for the standard programmes. The standard programmes are mentioned respectively as "standard 60 °C cotton programme" and "standard 40 °C cotton programme" in the regulation 1015/2010 and 1061/2010.

Those programmes are suitable to clean normally soiled cotton laundry and are the most efficient programmes in terms of combined energy and water consumptions for washing that type of cotton laundry.

1.  **Set the dial to Cotton.**
2.  **Choose Eco function. (See page 26.)**
3.  or  **Choose maximum spin speed. (See page 23.)**
4.  or  **Choose water temperature of 60 °C/40 °C.**

- The actual water temperature may differ from the declared cycle temperature.

## Customer Communications Centre

### Fridge-Freezer and Washing Machine

Please note, we are unable to assist with calls regarding Audio Visual and other Home Appliance products on this line.

Monday to Friday 9:00 - 17:00  
Excluding public holidays.

**0844 844 3899**

Monday to Friday 9:00 - 17:00  
Excluding public holidays.  
(For Republic of Ireland)

If calling from the Republic of Ireland, please call  
**01 289 8333**



Panasonic Corporation

<http://panasonic.net>

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