

Petunjuk Penggunaan & Pemasangan

Mesin Cuci Otomatis Penuh
(Pemakaian rumah tangga)

Model No. **NA-FD165W3**

No. Reg. : IMKG.709.04.2024



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Terima kasih Anda telah membeli Produk Panasonic.

- Baca petunjuk ini dengan teliti untuk memastikan kinerja yang optimal dan keamanan sebelum menggunakan.
- Simpan panduan ini untuk digunakan di lain waktu.

AWW9901CF7C0-0C0

A0724-0(I)

Dicetak di Vietnam

07-2024



Prosedur Keamanan



PERINGATAN

Dapat menimbulkan cedera atau kematian.

Anak-anak tidak diperbolehkan menggunakannya sendiri.



- Mesin cuci ini tidak ditujukan untuk digunakan oleh orang (termasuk anak-anak) dengan kemampuan fisik, sensorik atau mental yang kurang, atau tidak memiliki pengalaman dan pengetahuan yang cukup, kecuali bila mereka diawasi atau diberi petunjuk penggunaannya oleh orang yang bertanggung jawab atas keselamatan mereka.
- Anak-anak harus diawasi untuk memastikan bahwa mereka tidak bermain-main dengan mesin cuci ini.

Jangan menyentuh tabung sampai tabung berhenti.

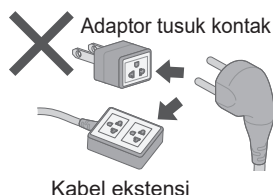
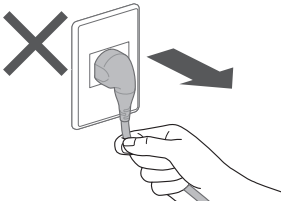


- Jika tabung tidak berhenti dalam 15 detik:

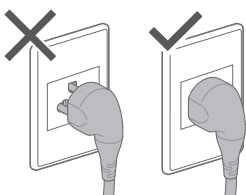


Dapat menyebabkan kebakaran atau sengatan listrik.

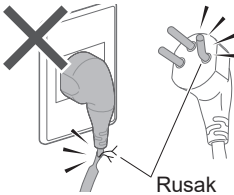
Jangan menyentuhnya. Jangan menahan atau Jangan gunakan. dengan tangan basah. menarik senur suplai.



Masukkan seluruhnya.

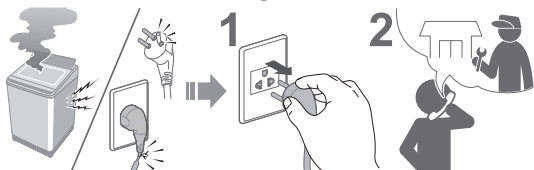


Jangan gunakan.

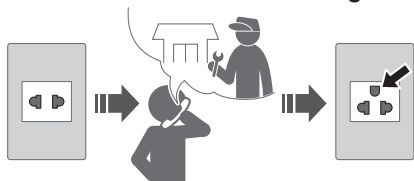


- Jika senur suplai rusak, maka harus diganti oleh pihak produsen, perwakilan servis atau orang yang ahli untuk menghindari bahaya.

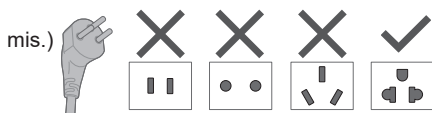
Apabila senur suplai tidak berfungsi atau rusak, hentikan penggunaan dan konsultasikan dengan teknisi listrik.



Tancapkan kaki arde sampai kencang. Minta teknisi listrik untuk memasang kotak kontak baru.

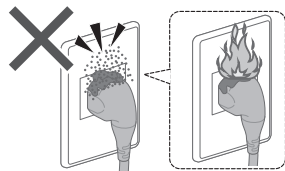


Gunakan kotak kontak yang sesuai untuk tusuk kontak ini.



- Bentuk tusuk kontak, bentuk kotak kontak, dan ketentuan rating berbeda-beda menurut wilayah.

Debu yang terakumulasi dapat menyebabkan kebakaran.



Lap tusuk kontak secara berkala.



Jauhkan dari bahan yang mudah menyala.



Dapat menyebabkan kegagalan.

Jangan sekali-kali membongkar, memperbaiki, atau memodifikasinya sendiri.



Ketika menggunakan aplikasi "Panasonic SmartApp+"

(Menyebabkan malfungsi dikarenakan gelombang radio dari peralatan)

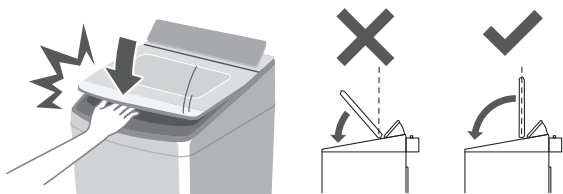
- Menjaga setidaknya 15 cm dari bagian pemasangan alat pacu jantung.
- Jauhkan dari peralatan medis dan peralatan kontrol otomatis (pintu otomatis, alarm kebakaran, dll.).

Prosedur Keamanan (lanjutan)

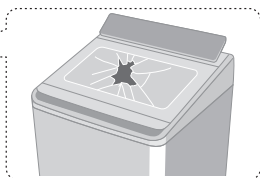
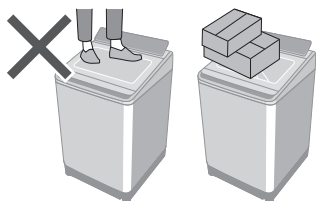
⚠ PERHATIAN

Dapat menyebabkan cedera.

Berhati-hatilah agar jari Anda jangan sampai terjepit.

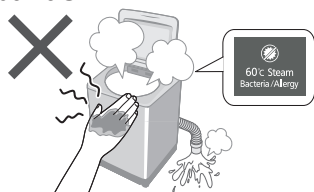


Jangan menaiki atau menaruh benda di atas perkakas ini.

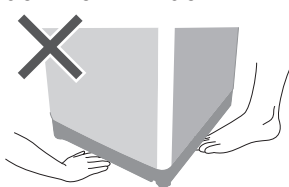


- Jika penutup rusak, segera hentikan penggunaan.

Jangan menyentuh ketika panas.

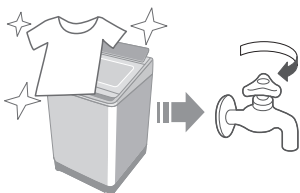


Berhati-hatilah dengan tangan dan kaki Anda.

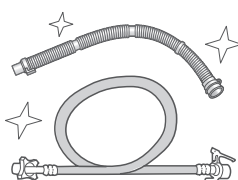


Dapat menyebabkan kebocoran air.

Matikan keran air.



Gunakan set selang yang baru.

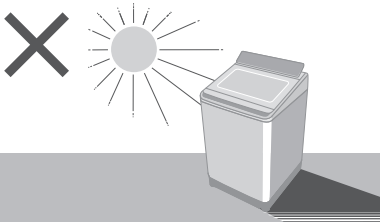


- Gunakan rangkaian selang baru yang disertakan bersama mesin cuci dan jangan gunakan kembali rangkaian selang yang lama.

■ Untuk berat maksimum kain kering dan tekanan air keran, lihat Halaman 44.

Dapat menyebabkan kegagalan.

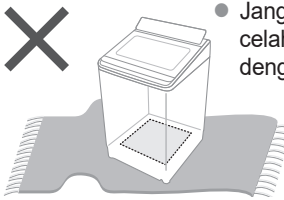
Jauhkan dari panas atau sinar matahari langsung.



Jangan mencuci benda yang kedap air.



Jangan menghalangi.



- Jangan menghalangi celah bagian bawah dengan karpet, dll.

Jangan gunakan air panas.



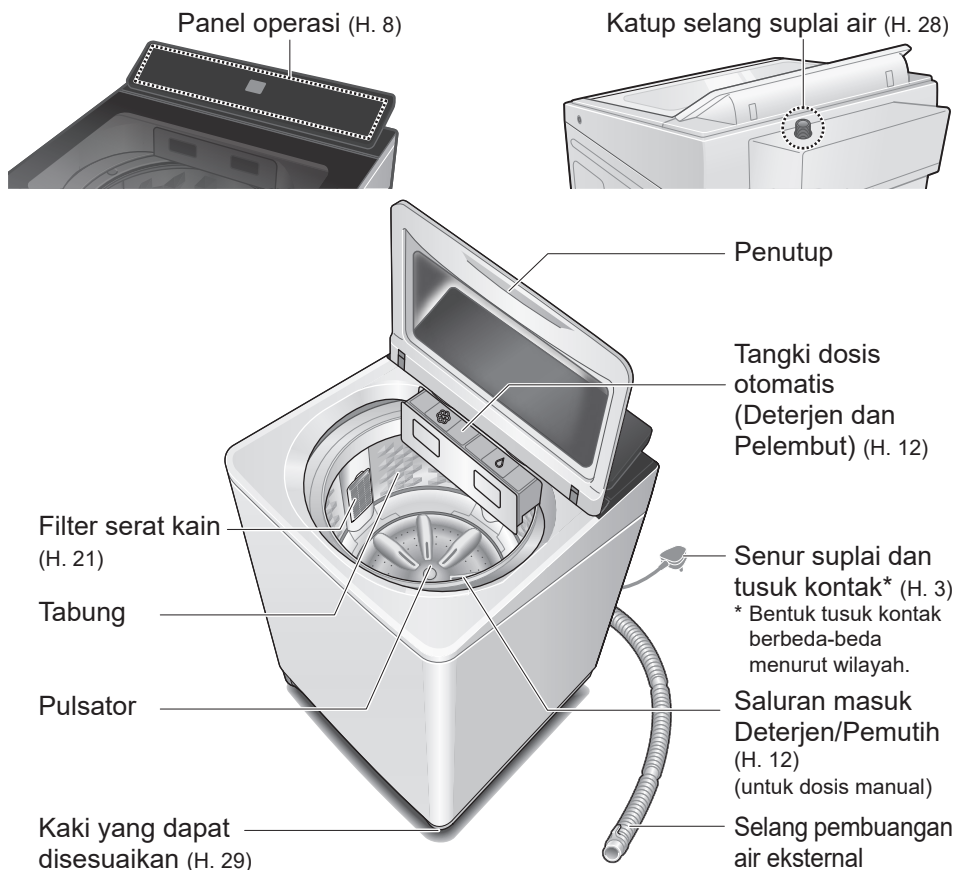
Hanya untuk benda-benda yang dapat dicuci dengan mesin.



- Mesin Cuci ini dimaksudkan untuk penggunaan dalam rumah tangga. Mesin Cuci ini tidak dimaksudkan untuk aplikasi seperti:
 - area toko, kantor, dan lingkungan kerja lain;
 - rumah pertanian;
 - pelanggan di hotel, motel, dan lingkungan tempat tinggal lainnya;
 - lingkungan di penginapan sederhana;
 - tempat penggunaan umum di apartemen atau di tempat sewa mesin cuci.

Nama Suku Cadang / Alat Pelengkap

Nama Suku Cadang



Alat pelengkap

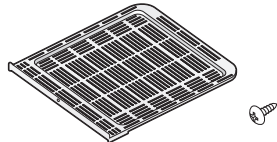
- ☐ Selang suplai air (1) (H. 28)



- ☐ Selang pembuangan air eksternal (1) (H. 27)



- ☐ Penutup bawah (1) / Sekrup (1) (H. 27)



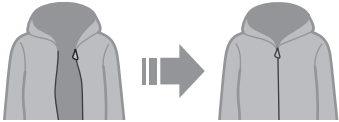
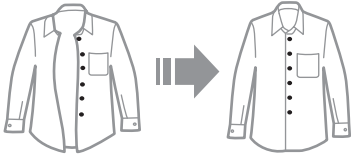
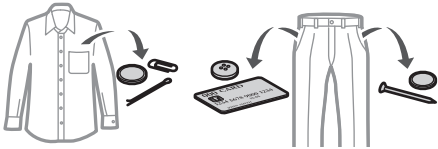
- ☐ Adaptor keran air (1) (H. 28)



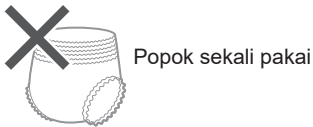
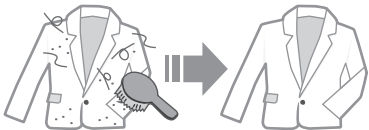
Sebelum Mencuci

Persiapan dan pemeriksaan cucian

Pemeriksaan sebelum mencuci

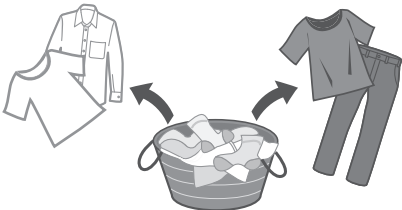


Pada pakaian mungkin timbul benjolan

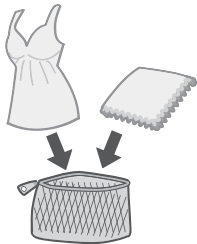


Popok sekali pakai

Cuci pakaian yang mudah luntur secara terpisah



Gunakan jaring pengaman cucian untuk pakaian yang lembut



Untuk "Stain Master +" (H. 18)

- Perlakuan awal untuk noda berat



- Patuhi label perawatan pakaian



- Untuk 

- Pakaian berwarna
- Kemeja dengan bahan yang kaku



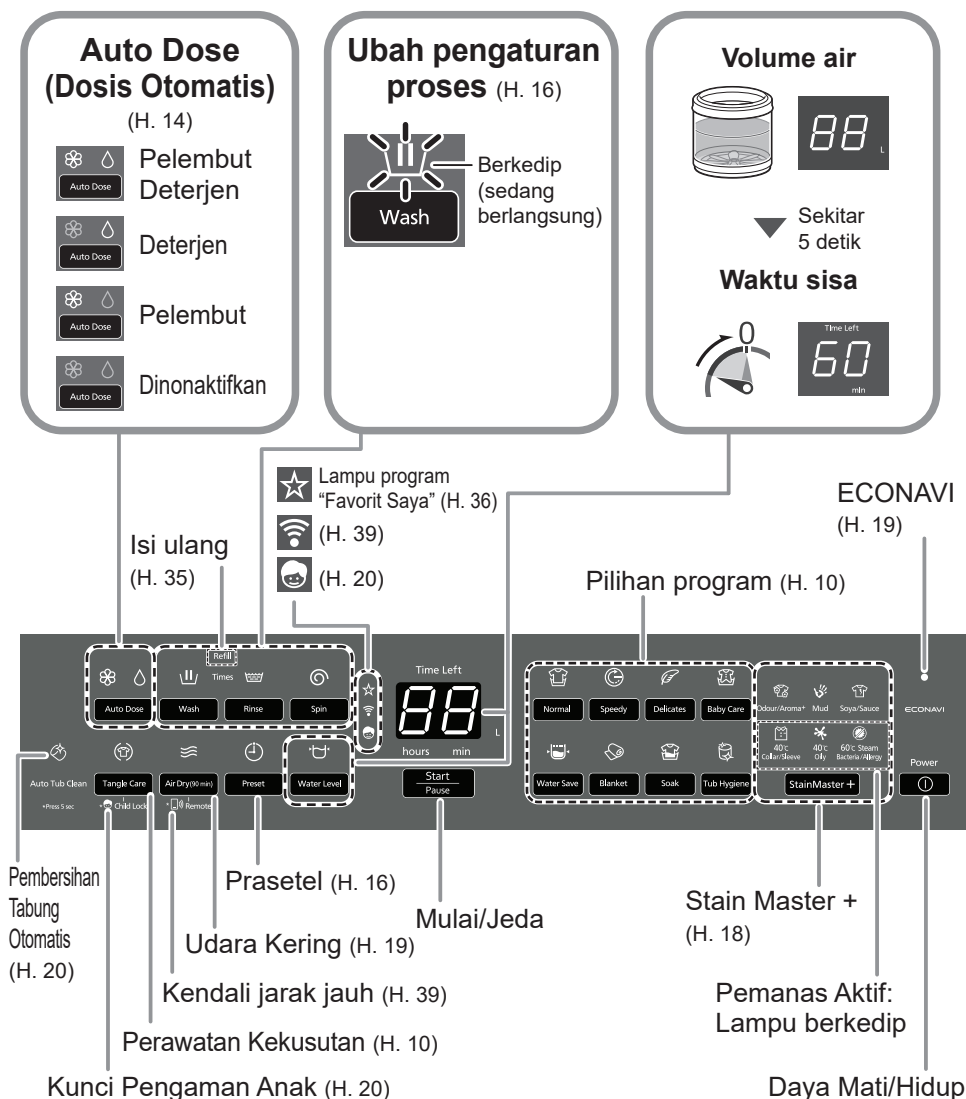
- Baju karet



- Kemeja bergambar



Panel Operasi

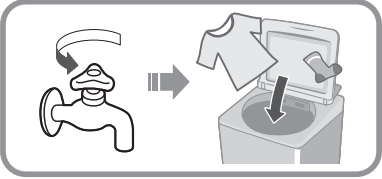


CATATAN

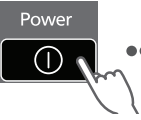
- Dalam hal terjadi kegagalan daya.
 - ➡ Operasi akan dilanjutkan dari tempat berhenti ketika daya pulih.
- Jika Anda tidak menekan **Start/Pause** dalam 10 menit setelah dihidupkan.
 - ➡ Matikan otomatis.
- Pengaturan proses cuci dari "Stain Master +" dan "Soak (Perendaman)" program tidak dapat diubah.

Pencucian

1



Power





2




(H. 10)

Memeriksa pengaturan “Auto Dose (Dosis Otomatis)”
(H. 8, 14)

■ Pengatur waktu

Preset
(H. 16)

3

Mengukur jumlah cucian.

Start
Pause



10 detik



5 detik

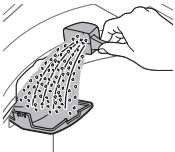


20 detik



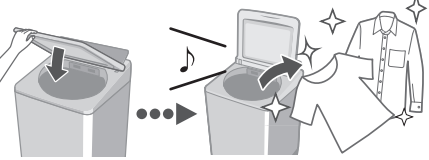
4 (untuk dosis manual)

88
(H. 8)



(H. 13)

5



■ Setelah menekan “Start (Mulai)”

● Untuk mengubah setiap operasi (saat mencuci).

Jeda
Start
Pause

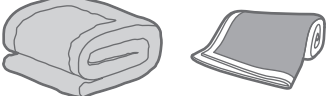


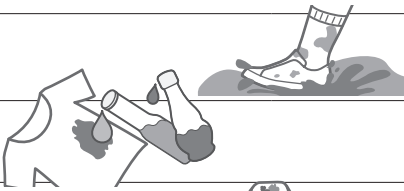
Mulai
Start
Pause

● Untuk memeriksa atau mengubah ketinggian air (saat mencuci). 

● Anda tidak dapat mengubah program.

Pilihan Program

	Program	Tujuan	Kapasitas maksimal (kg)
Cuci	 Normal (Biasa) (H. 9)	● Pakaian sehari-hari 	16,5
	 Tangle Care (Perawatan Kekusutan) (H. 9)	● Anti-kusut • Mencuci lebih lembut daripada “Normal (Biasa)” untuk mengurangi kekusutan. • Menguraikan kekusutan pakaian setelah pemutaran: 8 kg atau kurang.	
	 Speedy (Cepat) (H. 9)	● Untuk kotor ringan 	16,5
	 Delicates (Halus) (H. 17)	● Mencuci dengan lembut 	5,0
	 Baby Care (Perawatan Bayi) (H. 9)	● Pakaian untuk bayi & orang dengan kulit yang sensitif Bilas menyeluruh 	16,5
	 Water Save (Menghemat Air) (H. 9)	● Menghemat air 	16,5
	 Blanket (Selimut) (H. 17)	● Comforter dan Selimut  Dengan label dapat dicuci dengan mesin	4,2

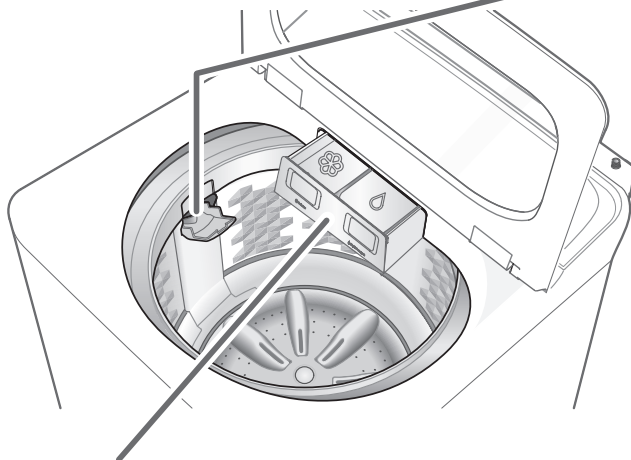
	Program	Tujuan	Kapasitas maksimal (kg)
Cuci	 Soak (Perendaman) (H. 9)	Pakaian bernoda berat Pra-perendaman sebelum mencuci 	16,5
	StainMaster + (H. 18)	Untuk noda berikut ini	6,0
	Ringan  Odour/Aroma+ (Bau/Aroma+)	Gunakan lebih banyak pelembut untuk menjaga aroma lebih lama	
	 Mud (Lumpur)		5,0
	 Soya/Sauce (Kecap/Saus)		
	 Collar/Sleeve (Kerah/Lengan Baju) (40 °C)		
	 Oily (Berminyak) (40 °C)		
	Berat 		5,0
	Bacteria/Allergy (Bakteri/Alergi) (60 °C Steam)		
Kering	 Air Dry (90 min) (Udara Kering (90 menit)) (H. 19, 25)	Mengeringkan pakaian serat sintetis 	3,0
Perawatan		Pengeringan tabung 	—
	 Tub Hygiene (Kebersihan Tabung) (H. 25)	Pembersihan tabung Mencegah jamur hitam dan aroma tidak sedap 	—

CATATAN

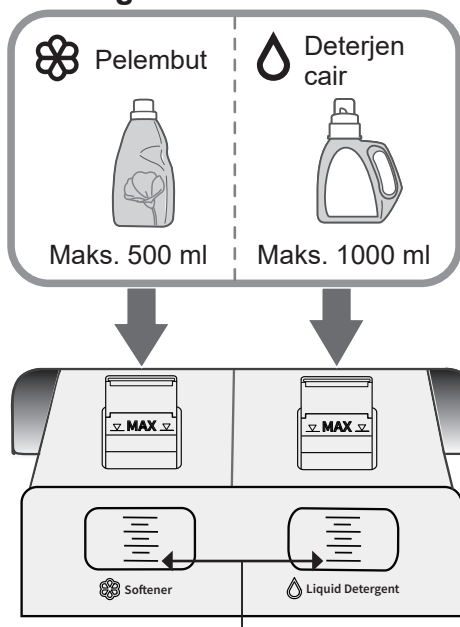
- Program “Normal (Biasa)” dan program “Water Save (Menghemat Air)” dianjurkan untuk muatan kotor normal sesuai kapasitas terukur mesin cuci ini.

Deterjen / Pelembut / Pemutih

- Ikuti petunjuk pada tiap kemasan.
- Untuk membersihkan (H. 22)
- Tutup tangki dosis otomatis sepenuhnya sebelum digunakan. Dorong tangki hingga terdengar bunyi “klik”.



Tangki Dosis Otomatis



Tambahkan deterjen/pelembut sebelum turun di bawah garis.

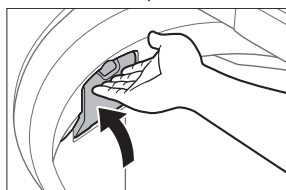
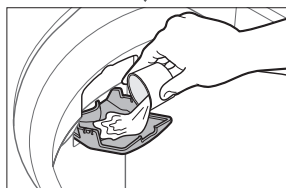
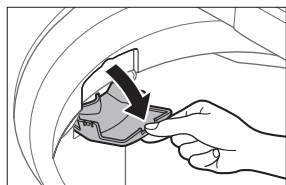
CATATAN

- Deterjen cair/pelembut yang dibiarkan dalam waktu lama dapat menggumpal atau mengeras. Dalam hal ini, bersihkan tangki dosis otomatis. (H. 22)

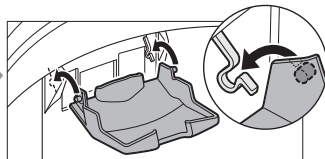
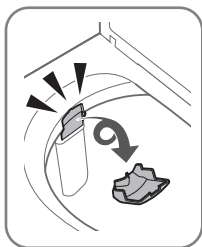


Jangan gunakan pelembut terpisah atau padat.

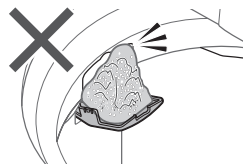
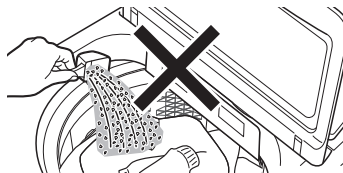
Deterjen, Pemutih



mis.) Pemutih cair



Penggunaan pemutih
(penggunaan klorin)

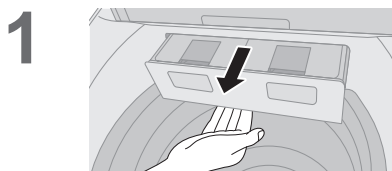


- **Jangan tuangkan deterjen langsung ke tabung.**
- Ketinggian busa tergantung pada ukuran beban, kekotoran, deterjen, dan kesadahan air.
- Encerkan pemutih dengan air sebelum memasukkannya ke dalam saluran masuk deterjen/pemutih.
- Tuang deterjen sesuai ketinggian air, ikuti petunjuk pada kemasannya.

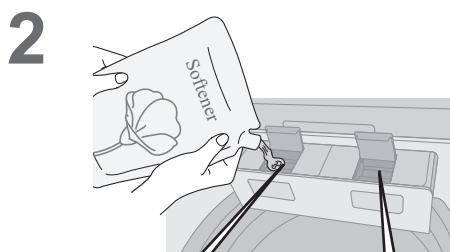
Auto Dose (Dosis Otomatis)

Deterjen dan pelembut akan ditambahkan secara otomatis tergantung pada jumlah cucian dan pengaturan takaran, tersedia dengan semua program kecuali “Tub Hygiene (Kebersihan Tabung)”, “Air Dry (90 min) (Udara Kering (90 menit))” dan “Water Save (Menghemat Air)”. (H. 35)

■ Menyediakan deterjen/pelembut



- Tekan kunci di bagian bawah tangki dan tarik keluar.



Pelembut
Maks. 500 ml

Deterjen cair
Maks. 1000 ml

3 Tutup tangki dosis otomatis sepenuhnya.

■ Untuk mengatur fungsi “Auto Dose (Dosis Otomatis)”



■ Jumlah standar

- Air: 50 L
- Deterjen cair: 45 ml
- Pelembut: 35 ml

■ Untuk mengubah jumlah dosis



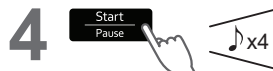
Pelembut



Deterjen



- Nilai rentang
 - Deterjen: 10 ml - 95 ml
 - Pelembut: 10 ml - 95 ml
- Langkah perubahan: 5 ml
(Pengaturan diing.)



CATATAN

- Jika sebelumnya ada air di dalam tabung, deterjen dan pelembut tidak akan tersedia secara otomatis saat mencuci.

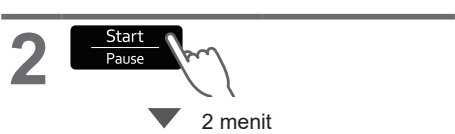
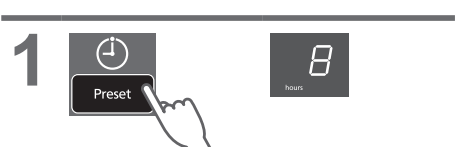
■ Q&A

	Pertanyaan	Jawaban
Deterjen/Pelembut	Apa yang tidak dapat digunakan dengan fungsi “Auto Dose (Dosis Otomatis)”?	Berikut ini tidak dapat digunakan: ● Deterjen bubuk ● Sabun cair ● Barang yang tidak memiliki label “Perkiraan jumlah yang akan digunakan” pada pakatnya ● Pemutih ● Sabun bubuk Soda kue tidak dapat digunakan untuk pemberian dosis manual atau otomatis.
	Mengganti merek deterjen cair?	Ikuti langkah-langkah di bawah ini: ① Kosongkan tangki dosis otomatis dan bersihkan. (H. 22) (Mencampur merek yang berbeda dapat menyebabkan penyumbatan) ② Tambahkan deterjen/pelembut baru. (H. 14)
	Bisakah saya menambahkan lebih banyak sebelum kehabisan?	Merek yang sama dapat ditambahkan apa adanya.
	Berapa jumlah standar untuk deterjen/pelembut?	● Jumlah standar adalah jumlah deterjen/pelembut yang digunakan per 50 L air. Periksa informasi pada paket. ● Jika tidak ada informasi pada kemasannya atau jika Anda tidak yakin, hubungi produsennya.
Cara menggunakan fungsi “Auto Dose (Dosis Otomatis)”	Berapa kali kita dapat mencuci dengan program dosis otomatis jika tangki penuh?	● Deterjen dan pelembut: sekitar 17 kali Jumlahnya bervariasi tergantung pada jumlah cucian dan pengaturan jumlah takaran.
	Jika Anda tidak mengatur jumlah dosis?	● Jumlah standarnya adalah • 45 ml deterjen per 50 L air • 35 ml pelembut per 50 L air ● Jika pengaturan tidak sesuai untuk deterjen/pelembut yang Anda gunakan, noda mungkin tidak hilang atau cucian menjadi gelap.
	Apa yang terjadi jika Anda memasukkan deterjen ke dalam saluran masuk deterjen/pemutih sambil menyetel fungsi “Auto Dose (Dosis Otomatis)”?	Karena dimasukkan dua kali, itu akan terlalu banyak.

Opsi Pencucian

Preset (Prasetel)

Atur berapa jam lagi untuk menyelesaikan pengoperasian.



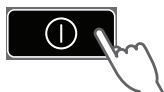
Semua indikator mati kecuali.

Normal	2 - 24
Speedy	1 - 24
Delicates	-
Baby Care	2 - 24
Water Save	2 - 24
Blanket	-
Soak	3 - 24
StainMaster +	(H. 18)
Air Dry(90 min)	-
Tub Hygiene	-

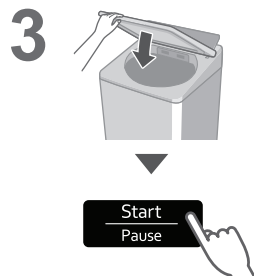
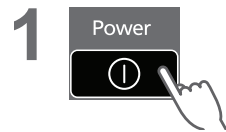
■ Untuk mengkonfirmasi



■ Untuk membatalkan atau mengganti



Wash (Cuci) / Rinse (Bilas) / Spin (Peras)



CATATAN

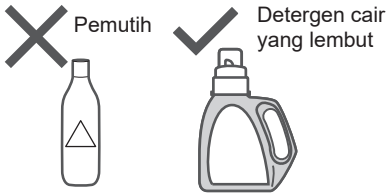
- Tidak tersedia untuk “Tangle Care” (Perawatan Kekusutan).



Delicates (Halus)

74 L	5,0 kg
66 L	3,0 kg
59 L	1,0 kg

CATATAN

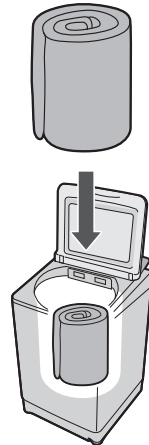


■ Setelah pengoperasian selesai



Blanket (Selimut)

Jumlah air maksimum	4,2 kg • 100 % serat sintetis • 100 % katun
---------------------	--



CATATAN



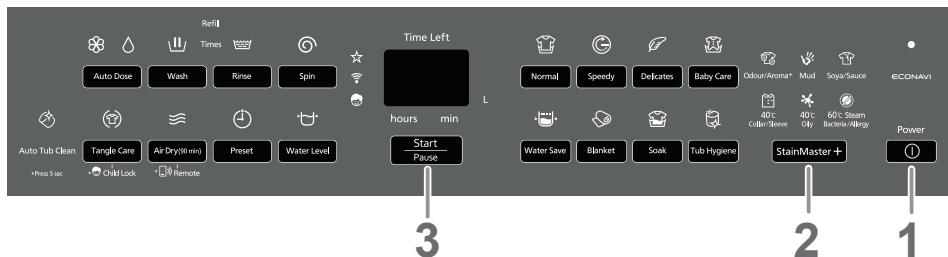
CATATAN

- Indikasi jumlah air menunjukkan jumlah maksimal dan tidak bisa diubah.

Opsi Pencucian (lanjutan)

Stain Master +

Persiapan: (H. 7)



1



2



- Setelan awal pengatur waktu (H. 16)

Collar/Sleeve: 3 - 24

Oily: 3 - 24

Bacteria/Allergy: 4 - 24

Lainnya: 2 - 24

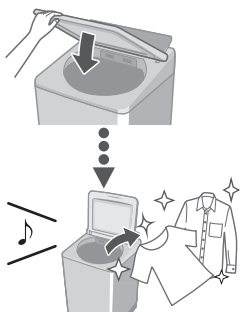
3



4

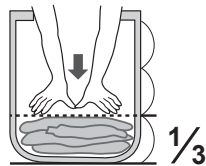


5

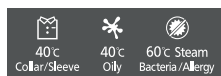


CATATAN

- Maks. kapasitas (H. 11)



- Jumlah air maksimum:
 - Bacteria/Allergy: 66L
 - Lainnya: 81L
- Anda tidak bisa mengubah pengaturan proses pencucian untuk program ini.
- Ketika menggunakan



- Pastikan untuk menutup penutupnya.



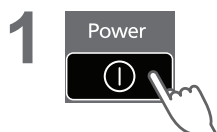
- Kondensasi embun dapat terbentuk di penutup, dll.



Air Dry (90 min) (Udara Kering (90 menit))

Udara yang terhembus dari perputaran tabung menghilangkan air pada pakaian.

- Pakaian yang dapat dikeringkan:
Serat sintetis (Maks. 3,0 kg)

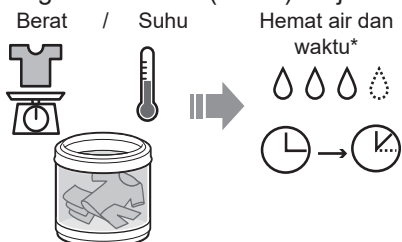


CATATAN

- Pakaian mungkin tidak cukup kering (tergantung pada jumlah dan jenis pakaian, serta suhu).
- Fungsi ini tidak menggunakan pemanas. Pakaian mungkin dingin dan setengah kering.

ECONAVI

- Program “Normal (Biasa)” saja



■ Indikasi lampu

	Mendeteksi
	ECONAVI diaktifkan
	ECONAVI dinonaktifkan

■ Untuk menghidupkan/mematikan

- 1
- 2
- 3 Tahan 3 detik
- 4 untuk memilih mati hidup
- 5

* Kondisi pengujian:

- Program “Normal (Biasa)”
- Perbandingan antara pengoperasian yang mendukung ECONAVI (jumlah cucian: 2,0 kg, suhu air: di atas 35 °C) dan pengoperasian yang menonaktifkan ECONAVI (jumlah cucian: 16,5 kg (kapasitas terukur), suhu air: di bawah 15 °C)
- Pengujian dilakukan berdasarkan IEC60456 kecuali untuk suhu air.

Fungsi Mudah

Pengaturan Pembersihan Tabung Otomatis

Untuk mencegah timbulnya jamur hitam, tersedia pada semua program kecuali "Water Save (Menghemat Air)" dan "Air Dry (90 min) (Udara Kering (90 menit))".

■ Indikasi lampu



Mendeteksi



Fungsi diaktifkan



Fungsi dinonaktifkan

■ Untuk mematikan / menghidupkan

1



2



3



Tahan 3 detik

4



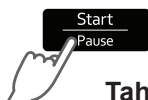
untuk memilih mati hidup

5



Membatalkan alarm mencuci

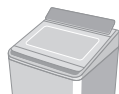
1



&



Tahan 3 detik



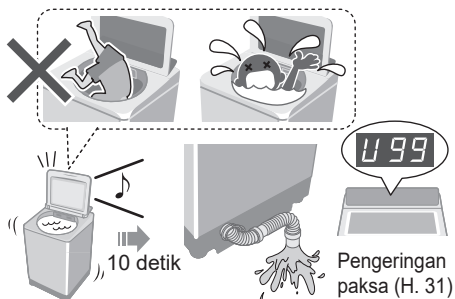
♪x2

■ Untuk mengatur ulang:

prosedur sama

♪x4

Mengatur Kunci Pengaman Anak



* Fungsi ini tidak mengunci penutup dan pengoperasian tombol.

1



2



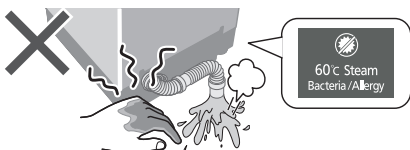
Tahan 5 detik



■ Untuk membatalkan: prosedur sama

♪x4

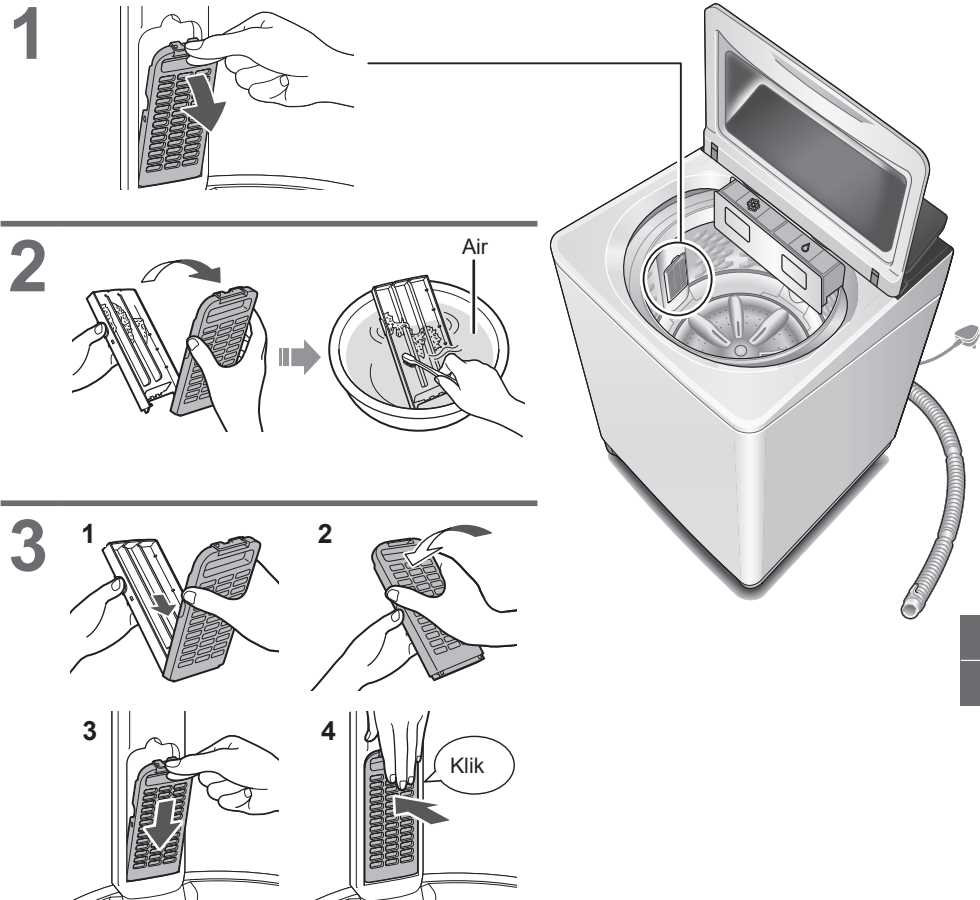
CATATAN



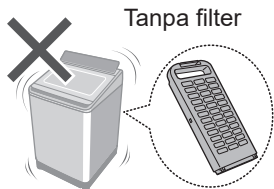
Perawatan

Filter serat kain

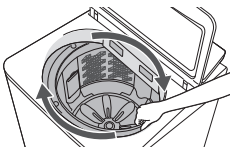
Setelah setiap pengoperasian



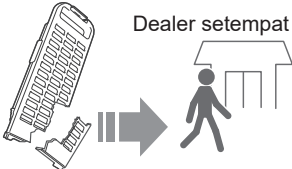
CATATAN



Jika sulit untuk melepas filter



Jika filter rusak



Perawatan (lanjutan)

Tangki Dosis Otomatis

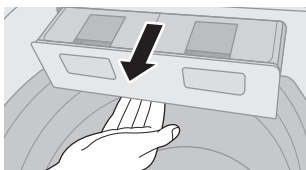
Setiap 3 bulan
sekali

Saat mengganti merek
deterjen atau pelembut

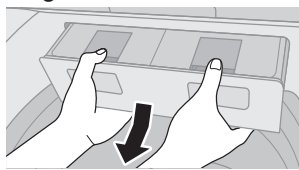
Bila tidak digunakan
lebih dari 1 bulan

1 Keluarkan tangki.

Tekan kunci di bagian
bawah tangki dan tarik.



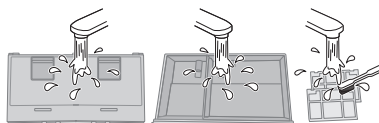
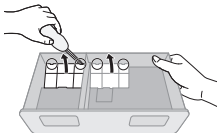
Tarik keluar secara
diagonal ke bawah.



2 Buka tutup tangki, lepas 2 filter, lalu cuci dengan air.

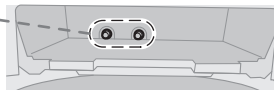


Bagian belakang

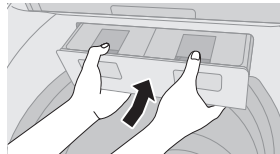
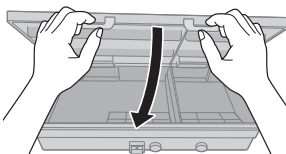
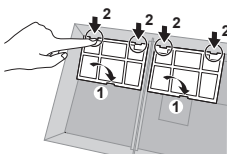


CATATAN

- Jangan menggunakan kembali sisa deterjen dan pelembut.
- Jangan membersihkan sambungan.
(penyebab penyumbatan)

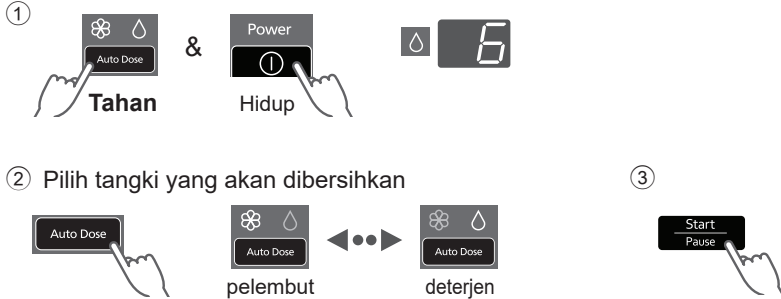


3 Pasang filter, tutup dan pasang tangki.

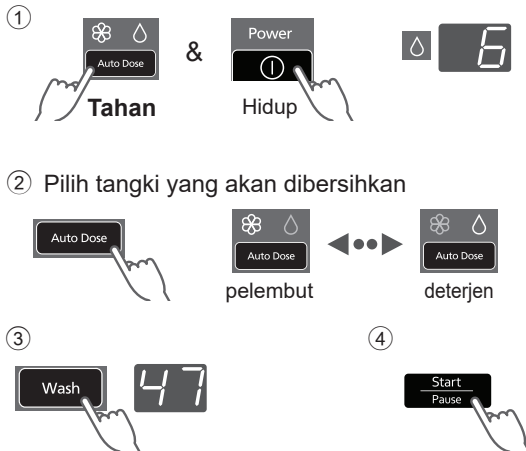


4

- Isi tangki sekitar setengahnya dengan air, lalu tutup sepenuhnya.
- Tutup penutup mesin cuci dan jalankan fungsi “Auto Dose Tank Clean (Pembersihan tangki dosis otomatis)” untuk membersihkan (masing-masing perawatan 6 menit untuk deterjen dan pelembut).



- Jika sambungan tersumbat, jalankan fungsi “Auto Dose Tank Clean (Pembersihan tangki dosis otomatis)” untuk pembersihan dalam (masing-masing perawatan 47 menit untuk deterjen dan pelembut).



5

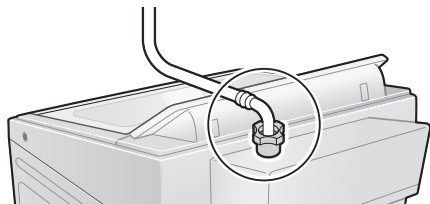
Keluarkan tangki, buang sisa air dan seka airnya, lalu pasang tangki.



Perawatan (lanjutan)

Filter suplai air

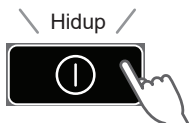
Jika air tidak mengalir dengan lancar



1



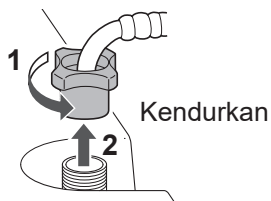
2



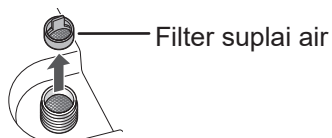
3



4



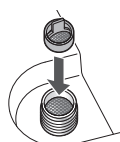
5



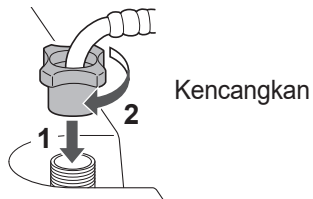
6



7



8

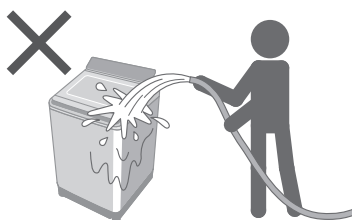


Unit utama, penutup



Untuk kondisi
sangat kotor

Deterjen dapur
netral



Tabung

Seminggu sekali <Air Dry (90 min) (Udara Kering (90 menit))>

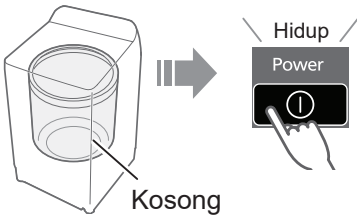


Sebulan sekali <Tub Hygiene (Kebersihan Tabung)>

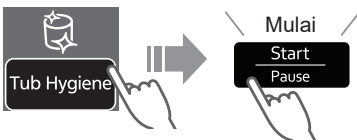
1



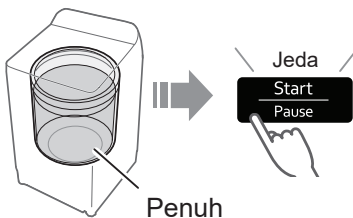
2



3



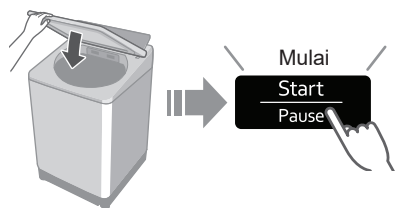
4



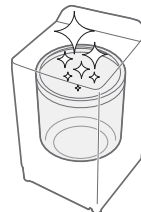
5



6

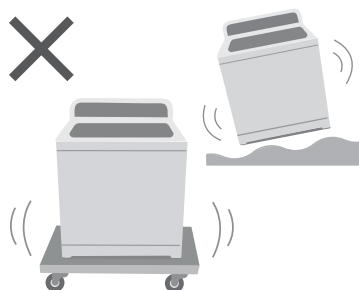
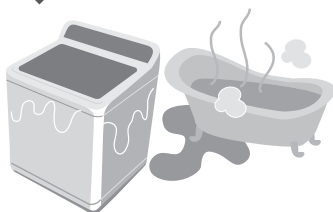


↓
Sekitar 2,5 jam



Pemasangan

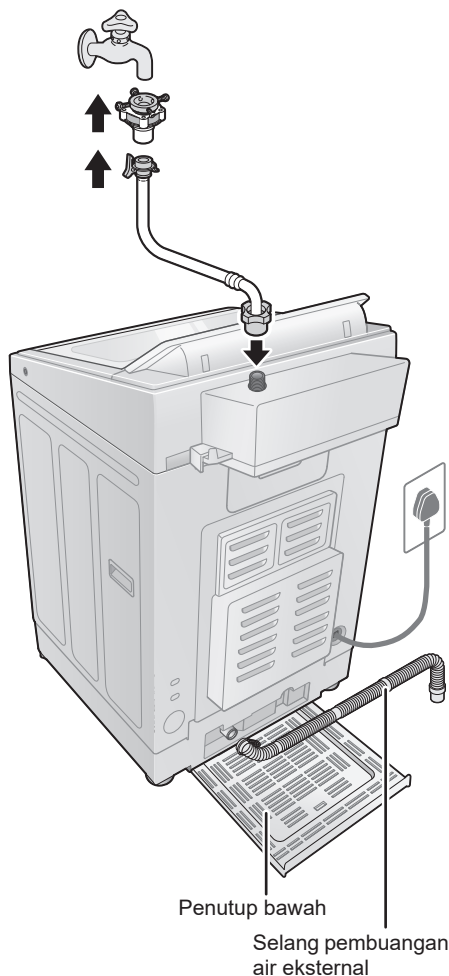
Periksa lokasi.



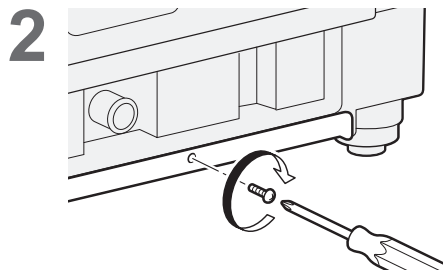
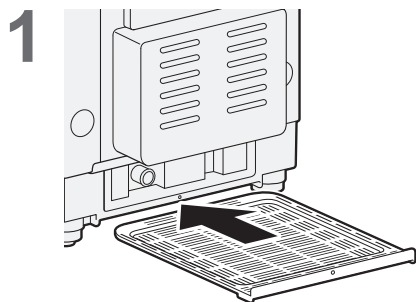
Pastikan meminta petugas servis untuk melakukan instalasi.



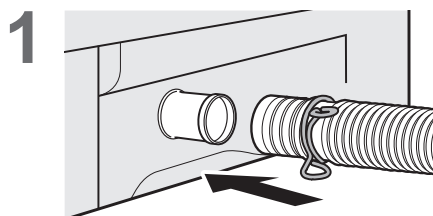
- Jangan melakukan instalasi sendiri.
- Ikuti metode pemasangan.
Jika tidak mengikutinya, Panasonic tidak bertanggung jawab atas segala kecelakaan dan kerusakan.



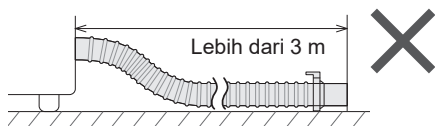
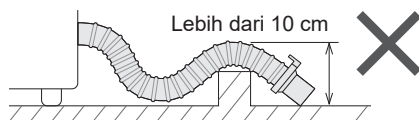
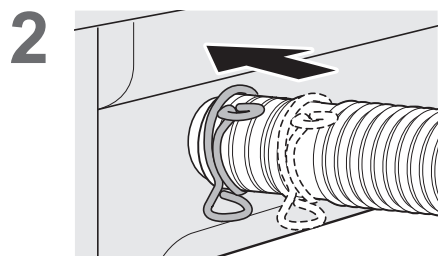
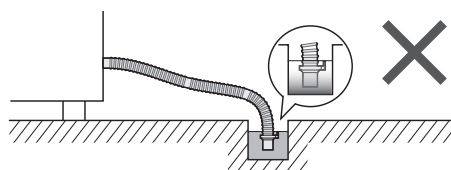
Pasang penutup bawah



Pasang selang pembuangan air eksternal

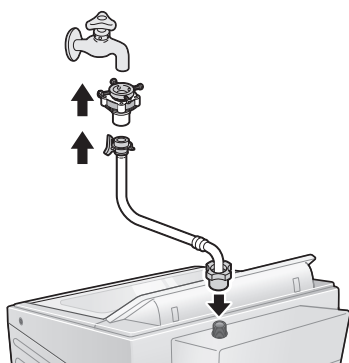


CATATAN

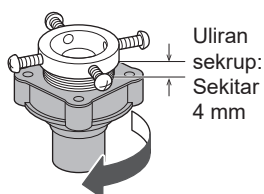


Pemasangan (lanjutan)

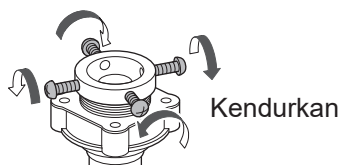
Pasang selang suplai air



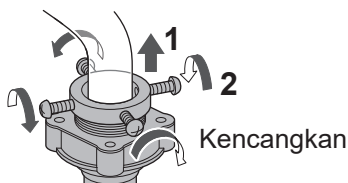
1



2



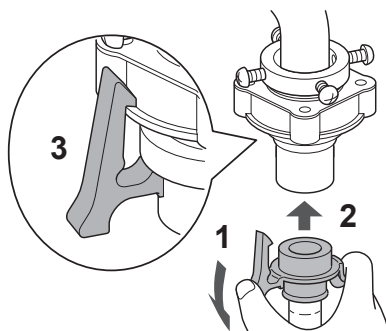
3



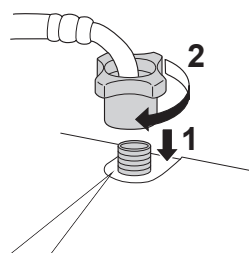
4



5



6



3

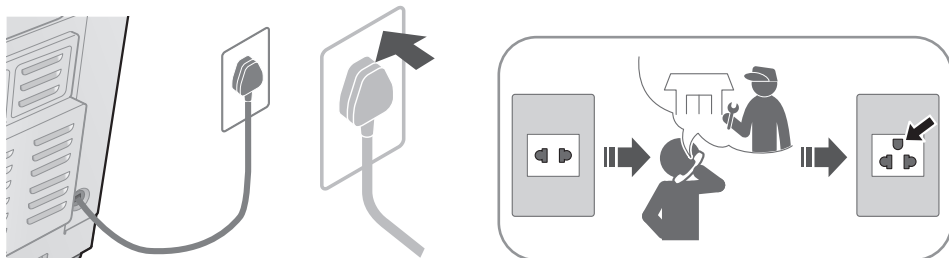
Periksa apakah pipa
siku tidak longgar.



PERHATIAN

- Kencangkan mur dengan erat.
- Jangan memuntir, menindih, memodifikasi atau memotong selang.

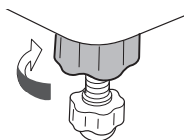
Sambungkan tusuk kontak dan lakukan pembumian



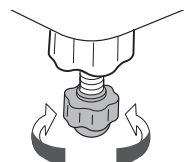
Periksa untuk memastikan posisi mesin cuci rata

■ Jika mesin cuci bergoyang

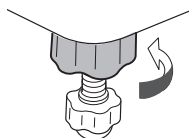
Kendurkan



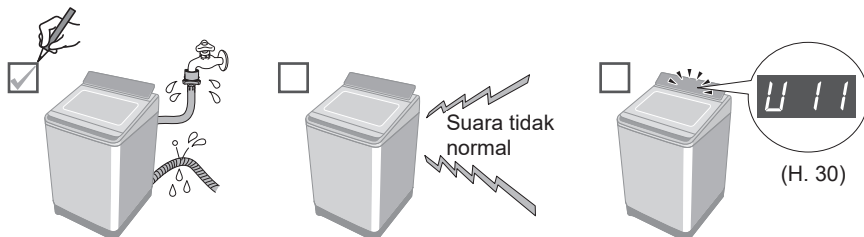
Setel



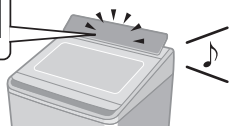
Kencangkan



Pengoperasian percobaan

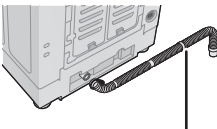
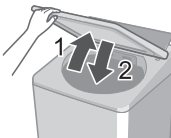
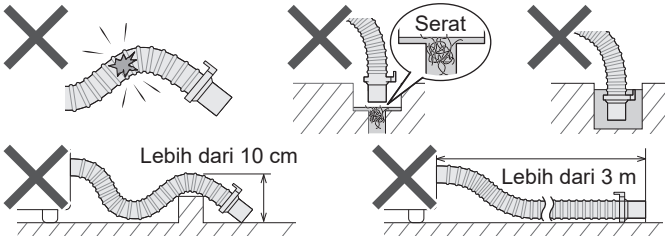
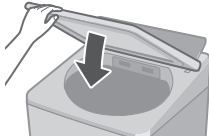
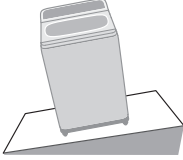
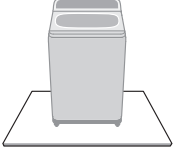


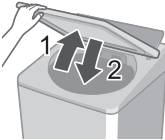
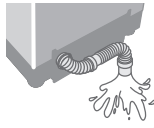
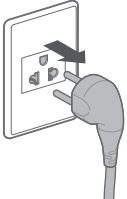
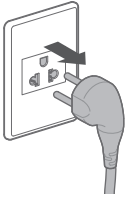
Tampilan Pesan Kesalahan



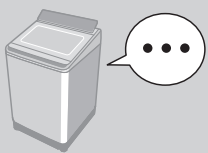
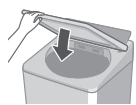
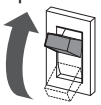
■ Persiapan

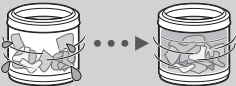
Batalan Kunci Pengaman Anak (H. 20) jika telah diatur.

Pesan Kesalahan	Hal yang harus diperiksa	
 Air tidak dapat dikosongkan.	1 Memeriksa 	2  
 Tutup terbuka.	1 	
 Spin atau “Air Dry (Udara Kering)” tidak dapat dijalankan.	Tidak rata  1 Rata  Tidak stabil atau miring  1 Stabil 	2  2 

Pesan Kesalahan	Hal yang harus diperiksa
 Air tidak dapat disalurkan.	Kekurangan air  Dimatikan    1  Filter penyalur air (H. 24) 2 
 Air dikosongkan dengan paksa.	Dengan Kunci Pengaman Anak set   Pengeringan paksa   10 detik 1   5 detik 
 Diperlukan pemeriksaan.	1  2  3   

Perbaikan Gangguan

	Gejala	Titik pemeriksaan
	Indikasi naik atau tidak turun. 	Indikator waktu merupakan perkiraan. Waktu yang tersisa dikoreksi selama pengoperasian. 
Waktu	Lebih lama dari indikasi. 	Bila pakaian tidak merata.  Bila pengurasan air tidak bagus.  Bila pasokan air tidak bagus. 
	Pengoperasian melewati waktu prasetel. 	⇒ Waktu pengoperasian dapat menjadi lebih lama.
Unit utama	Operasi tidak berjalan 	☐ Periksa ● Kegagalan daya  ● Prasetel timer  ☐ Coba ● Tutupkan penutup.  ● Hidupkan.  ● Tancapkan tusuk kontak seluruhnya  ● Tekan "Start" (Mulai).  ● Hidupkan pemutus arus. 
	Tidak dapat mengubah pengaturan proses (setelah memulai). 	☐ Coba ● Selama proses pencucian 1 Jeda  2  3 Mulai  ● Setelah proses pencucian 1 Mati  2 Hidup 

	Gejala	Titik pemeriksaan	
Cuci	Air dipasok waktu sedang mencuci. 	Bila ketinggian air turun. 	Bila jumlah cucian banyak. 
	Ketinggian air terlalu tinggi 	Bila cucian basah. 	Bila ada air di dalam tabung sebelum pengoperasian. 
	terlalu rendah 	Bila baju ringan (serat sintetis, dsb.). 	
Bilas	Operasi dimulai dengan proses bilas, namun air tidak disalurkan. 	Bila tidak ada air di dalam tabung. 	⇒ Air dipasok setelah pemutaran.
		Bila ada air di dalam tabung. 	⇒ Air dipasok setelah pengurasan air dan pemutaran.
Peras	Pemutaran berubah menjadi pembilasan. Yang dijalankan adalah pembilasan, bukan pemutaran. 	Jika pakaian tidak merata, mesin cuci ini secara otomatis mengoreksi kondisi tidak merata tersebut dengan proses pembilasan. 	
	Putaran tidak teratur 	Kecepatan perputaran tabung disesuaikan untuk mengurangi getaran. 	

Perbaikan Gangguan (lanjutan)

	Gejala	Titik pemeriksaan
Lain-lain	Kegagalan daya/Pemutus arus mati. 	Pengoperasian akan dilanjutkan kembali dari kondisi saat dihentikan ketika daya kembali pulih. 
	StainMaster+ tidak menimbulkan efek. 	☐ Periksa ● Maks. kapasitas (H. 11)  ☐ Coba ● Perlakuan awal (H. 7) ● Pilih menurut jenis noda. (H. 11)  

Konten Program

Program		Total waktu ^{*1} (menit)	Wash (Cuci) (menit)	Rinse (Bilas) (kali)	Spin (Peras) (menit)	Auto Dose (Dosis Otomatis)	
						Deterjen	Pelembut
	Normal (Biasa)	65	9	2	7	✓	✓
	Tangle Care (Perawatan Kekusutan)	75	13	2	7	✓	✓
	Speedy (Cepat)	50	3	2	5	✓	✓
	Delicates (Halus)	50	9	2	1	✓	✓
	Baby Care (Perawatan Bayi)	80	9	2	7	✓	✓
	Water Save (Menghemat Air)	80	12	3	7	✓	–
	Blanket (Selimut)	80	12	2	7	✓	✓
	Soak (Perendaman)	130 ^{*2}	71 (Perendaman 59)	2	7	✓	✓
Stain Master +	Odour/Aroma+ (Bau/Aroma+)	85	13	2	7	✓	✓
	Mud (Lumpur)	90	32	2	7	✓	✓
	Soya/Sauce (Kecap/Saus)	110 ^{*2}	54 (Perendaman 29)	2	7	✓	✓
	Collar/Sleeve (Kerah/Lengan Baju)	165 ^{*2}	33 ^{*3}	2	7	✓	✓
	Oily (Berminyak)	170 ^{*2}	38 ^{*3}	2	7	✓	✓
	Bacteria/Allergy (Bakteri/Alergi)	190 ^{*2}	30 ^{*3}	2	7	✓	✓
	Tub Hygiene (Kebersihan Tabung)	150 ^{*2}	65 (Perendaman 62)	2	30	–	–

^{*1} Total waktu merupakan perkiraan. (Jika tingkat pasokan air standar adalah 15 L / menit dan suhu 28 °C).

^{*2} Waktu yang tersisa sebanyak 99 menit atau kurang akan ditampilkan.



^{*3} Tidak termasuk waktu pemanasan air. Simbol  akan ditampilkan selama proses pemanasan air.

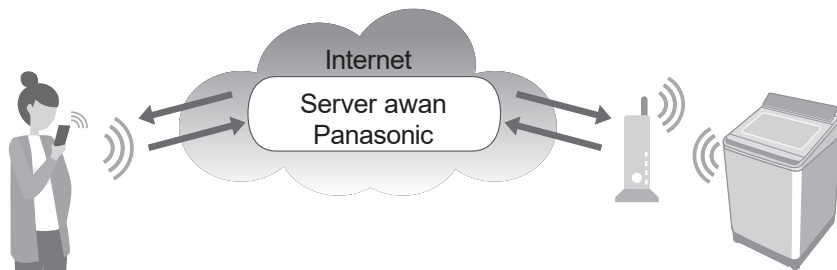
- “Refill (Isi ulang)”: untuk mengisi tabung mandi dengan air dan bilas sambil memasok air.



Panasonic SmartApp+

Lebih nyaman dengan smartphone Anda

Anda dapat memakai layanan dengan menggunakan “Panasonic SmartApp+”.



Anda dapat mengoperasikan mesin cuci atau setel waktu dengan aplikasi.

Dukung pemilihan program dari riwayat program.

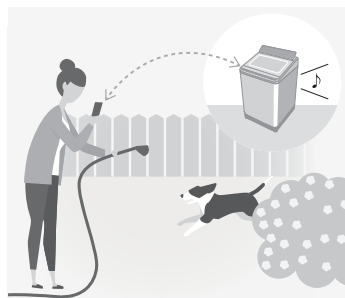
Kami mempunyai program “Favorit Saya”. Anda dapat menciptakan program asli dengan pengaturan favorit Anda.

- Hingga 10 program.



Notifikasi dari status pencucian dan akhir dari operasi.

Pakaian dapat dikeluarkan segera setelah pencucian.



- Daftar isi, fungsi dan desain dari layanan ini dapat berubah sewaktu-waktu atau dihentikan tanpa pemberitahuan sebelumnya.

Memerlukan Peralatan dan Lingkungan

Mari periksa peralatan yang diperlukan untuk menggunakan aplikasi.

■ Smartphone Android atau iOS (iPhone)

- Tentang OS yang didukung

<https://www.panasonic.com/fiot/wash/>



Situs Web Panasonic



■ Lingkungan Internet

Mohon konfirmasi bahwa ini adalah jaringan broadband.

Contohnya FTTH (serat optik), ADSL, CATV (televisi kabel), dll.

Biaya sambungan internet akan ditanggung oleh pelanggan.



■ Router wireless LAN

Gunakan *router wireless LAN* untuk terhubung ke internet.



CATATAN

- Pastikan bahwa *router wireless LAN* mempunyai sambungan standard dari 2,4 GHz band. (Sambungan standards: IEEE802.11b, IEEE802.11g, IEEE802.11n) Lain dari yang tertera di atas tidak dapat digunakan.
- Model yang hanya didukung WEP tidak dapat digunakan.
- Sebagai langkah keamanan, pastikan untuk menggunakan *router wireless LAN* yang dapat disetel dengan metode enkripsi WPA3, WPA2, atau WPA.
- Kami menyarankan metode enkripsi WPA3 dan WPA2 (AES).
- Kami tidak menjamin operasi dari semua *router wireless LAN*. (*router* seluler tidak dijamin bekerja.)

Panasonic SmartApp+ (lanjutan)

Pengaturan Awal



Ikuti pengaturan pada layar aplikasi.

1 Pasang “Panasonic SmartApp+” (gratis)

- Anda dapat menemukan tautan untuk pengunduhan aplikasi dari “Situs Web Panasonic”.

<https://www.panasonic.com/fiot/wash/>



Situs Web Panasonic

- Alternatifnya, Anda dapat mencari aplikasi “Panasonic SmartApp+” di Google Play (Android) atau App Store (iOS) dan pasang aplikasinya.
- Anda juga dapat memindai tautan untuk memasang aplikasi dari kode QR yang ditempel pada mesin cuci.

2 Ikuti instruksi yang ditampilkan pada layar aplikasi dan daftarkan mesin cuci.

- Operasikan pada posisi di mana Anda dapat memeriksa tampilan mesin cuci.
- Ia tidak dapat dioperasikan saat mesin cuci sedang berjalan.



Gunakan aplikasi (H. 39)

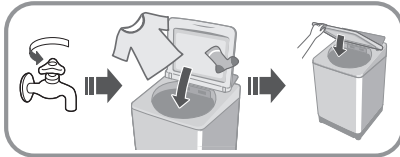
Menggunakan “Panasonic SmartApp+”

Setelah pengaturan awal selesai, Anda dapat menggunakan aplikasinya.

Bersiap untuk menggunakan “Remote (Kendali jarak jauh)”

Anda perlu mempersiapkan mesin cuci sebelum keluar.

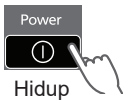
1



CATATAN

- Tutup pintu sepenuhnya.
- Pastikan masih ada deterjen/pelembut di dalam tangki Dosis otomatis.

2




Menyala
(Hidup)

3



Tahan
5 dtk.



Sekitar. 2 dtk.

Setelah 10 menit.



Semua lampu indikasi dimatikan, kecuali:



CATATAN

- Untuk membatalkan mode kendali jarak jauh → matikan daya.
- Ketika tidak ada kendali jarak jauh dari aplikasi, mode kendali jarak jauh akan dibebaskan setelah 23 jam. Selama mode kendali jarak jauh, semua tombol pada peralatan (kecuali ) dinonaktifkan. Anda hanya dapat mengendalikan mesin cuci dari aplikasi. Setelah 23 jam, layar normal ditampilkan dan kendali jarak jauh dinonaktifkan.

Untuk memeriksa status sambungan dengan lampu pada panel kontrol.

■ Posisi lampu



Menyala Tersambung (terhubung)

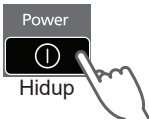
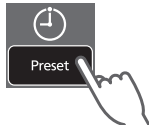
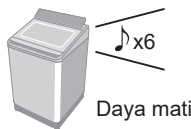
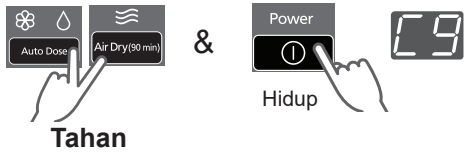
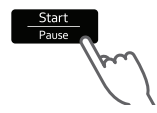
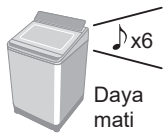
Berkedip Mencoba untuk tersambung
(Menghubungkan ke server)

Mati Tidak terhubung

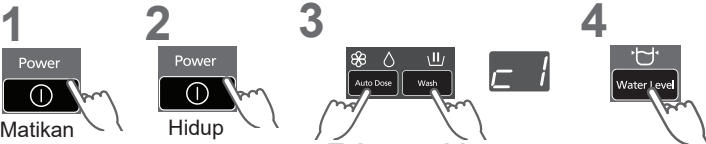


Panasonic SmartApp+ (lanjutan)

Inisialisasi

● Ketika Anda berhenti menggunakan “Panasonic SmartApp+” ● Penggunaan yang dicurigai karena akses yang tidak sah ● Jika peralatan adalah mesin bekas	Setel ulang pengaturan <i>wireless LAN</i> ke pengaturan bawaan. (Operasikan pada mesin cuci) Anda juga seharusnya berhenti menggunakan layanan aplikasi. 1 2 3 4
Ketika Anda membuang atau memindahkan mesin cuci	Setel ulang semua konten seperti pengaturan <i>wireless LAN</i> nirkabel, pengaturan mesin cuci, riwayat pengoperasian, dll. ke keadaan saat pembelian. (Inisialisasi penuh) (Operasikan pada mesin cuci) 1 2 3 4

Tampilan Pesan Kesalahan

Tampilan pesan kesalahan	Penyebab dan Penanggulangan
U81	● Gagal menghubungkan mesin cuci dan <i>router wireless LAN</i>. Periksa hal berikut ini. • Router tidak dihidupkan. → Hidupkan daya. • Jarak antara <i>router</i> dan mesin cuci terlalu jauh. → dekatkan <i>router</i>. • Ada perangkat yang menggunakan gelombang radio, seperti tungku gelombang mikro, disekitar. → Jaga jarak. → Berhenti menggunakan perangkat atau tunggu sebentar dan coba lagi. • Banyak perangkat yang terhubung ke <i>router</i>. → Matikan daya dari perangkat yang tidak Anda gunakan.
U82	● Kesalahan sambungan dengan server. ● Ada masalah dengan koneksi internet Anda. → Jika Anda tidak tahu penyebabnya, Hubungi penyedia, pembawa atau pembuat <i>router</i> Anda.
U83	● Pada "Backup connection (Koneksi cadangan)", SSID atau kata sandi <i>router</i> tidak benar. → Periksa deskripsi <i>router</i>. ● Gagal menghubungkan mesin cuci dan <i>router</i>. → Periksa "U81" di atas.
U84	● "Scan connection (Koneksi pindaian)" gagal. Periksa hal berikut ini. • Pengaturan Bluetooth® pada <i>smartphone</i> Anda mati. • Kode QR tidak dapat dibaca dengan benar. → Pastikan bahwa pengaturan Bluetooth® Hidup, dan kemudian hubungkan lagi. Jika Anda tetap tidak bisa terhubung, mohon coba "Backup connection (Koneksi cadangan)".
Aplikasi menampilkan kata seperti "Tidak dapat tersambung dengan mesin cuci."	● Sambungkan lagi setelah beberapa saat, atau periksa status koneksi dengan metode berikut.  Tahan 5 dtk. → Jika "U81", "U82", dll. ditampilkan, menandakan kesalahan pada koneksi. Periksa yang tertera di atas.

Panasonic SmartApp+ (lanjutan)

Penggunaan untuk *wireless LAN/Bluetooth®*

■ Pembatasan penggunaan

Mohon dicatat bahwa ada pembatasan sebagai berikut pada penggunaan. Panasonic tidak bertanggung jawab untuk segala kerusakan insidental akibat dari kegagalan untuk mematuhi pembatasan dan penggunaan atau ketidakmampuan menggunakan mesin.

- Jangan menghubungkan pada jaringan *wireless* yang tidak diizinkan untuk Anda gunakan.
Sebuah jaringan *wireless* (SSID*) yang tidak diizinkan untuk Anda gunakan mungkin akan ditampilkan saat pencarian lingkungan jaringan *wireless*, namun jika Anda menyambungkannya, jaringan tersebut dapat dianggap sebagai akses yang tidak sah.
- Jangan gunakan di tempat yang menghasilkan medan magnet, listrik statis, atau gangguan radio.
Jika Anda menggunakannya dekat perangkat berikut, sambungan mungkin terganggu atau kecepatan mungkin melambat.
 - Tungku gelombang mikro
 - Perangkat *wireless LAN / Bluetooth®* lainnya
 - Perangkat lain yang menggunakan gelombang radio di 2,4 GHz band (telepon nirkabel digital, perangkat audio *wireless*, konsol permainan, periferal PC, dll.)
 - Benda logam yang mudah memantulkan gelombang radio

■ Langkah keamanan

- Karena *wireless LAN* menggunakan gelombang radio untuk mengirim dan menerima data, maka terdapat risiko dari akses tidak sah. Ambil langkah keamanan untuk memastikan keamanan dari data Anda. (H. 37) Mohon dicatat bahwa kami tidak bertanggung jawab untuk segala masalah yang timbul tanpa mengambil langkah keamanan.
- Untuk kata sandi (kunci enkripsi) *router wireless LAN*, mengacu pada buku instruksi dari *router wireless LAN* dan setel dengan pertimbangan keamanan.

■ Tentang *firmware*

- Mesin ini mempunyai fungsi untuk terhubung ke server pembaruan *firmware* kami melalui internet dan melakukan pembaruan otomatis pada *firmware* nya sendiri keversi terbaru. Karena sambungan *wireless* sementara terganggu selama pembaruan, sambungan mungkin terganggu atau kecepatan melambat.
- Jangan menganalisis atau memodifikasi *firmware*.

* Nama yang digunakan untuk identifikasi jaringan tertentu pada *wireless LAN*. Jika SSID ini cocok dengan kedua perangkat, maka sambungan mungkin terjadi.

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You can find the link to download the most up-to-date information of Copyright for “Panasonic SmartApp+” application.

<https://www.panasonic.com/content/dam/Panasonic/id/id/PDF/Operating-Instructions-NA-FD165W3BS.pdf>

or QR code as below:



Spesifikasi

Model No.	NA-FD165W3
Tegangan listrik	220 - 240 V
Frekuensi sumber listrik	50 Hz
Daya masukan pengenalan	1475 - 1750 W
Volume air standar	99 L
Berat maksimum kain kering	16,5 kg
Dimensi produk	681 mm (W) x 733 mm (D) x 1153 mm (H)
Berat produk	50 kg
Tekanan air keran	0,01 - 1 MPa

Diimpor oleh:
PT Panasonic Gobel Indonesia
Jl.Dewi Sartika No.14 (Cawang II),
Jakarta, 13630, Indonesia

Pusat Pelayanan Pelanggan:
Contact Center
Telp. 0804-1-111-111
E-mail: ccc@id.panasonic.com
Website: www.panasonic.com/id

Panasonic Corporation

<https://www.panasonic.com>

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Operating & Installation Instructions

Fully Automatic Washing Machine
(Household Use)

Model No. **NA-FD165W3**

No. Reg. : IMKG.709.04.2024



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Thank you for purchasing this product.

- Read these instructions carefully for optimum performance and safety before use.
- Keep this manual for future reference.

AWW9901CF7C0-0C0

A0724-0(I)

Printed in Vietnam

07-2024



Safety Precautions

WARNING

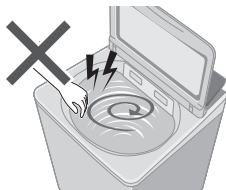
May cause serious injury or death.

Children must not use it alone.

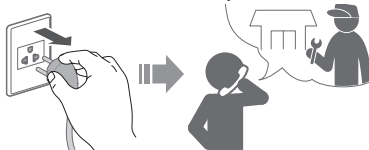


- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.

Do not touch the tub until it stops.



- If the tub does not stop within 15 sec:

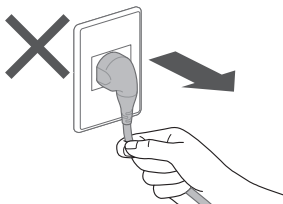


May cause fire or electric shock.

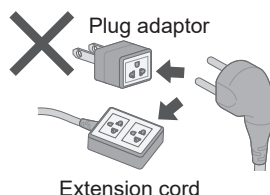
Do not touch it with wet hands.



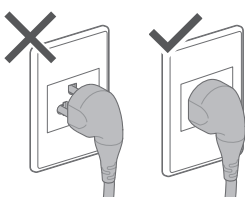
Do not hold or pull on the cord.



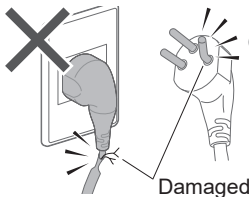
Do not use.



Fully insert it.

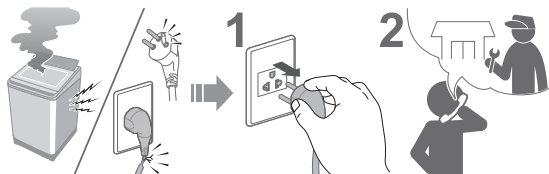


Do not use.

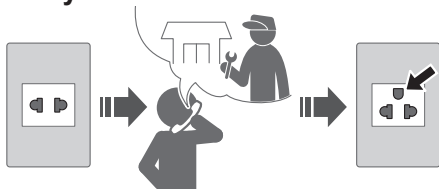


- If the power cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

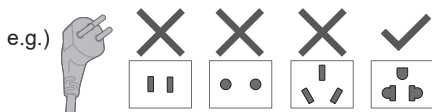
In case of failure or damaged power cord, stop use and ask the electrical technician.



**Securely insert the ground prong.
Call your local dealer for a new socket.**

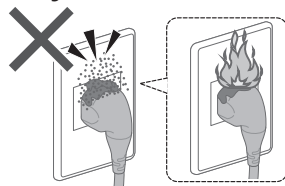


Use a socket appropriate for this appliance.



- The plug shape, socket shape and rating requirement varies with the region.

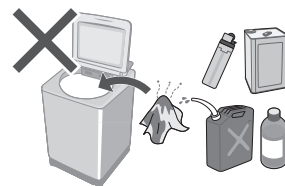
Accumulated dust may cause fire.



Wipe the power plug periodically.



Keep away from flammable materials.



May cause failure.

Never disassemble, repair or modify it by yourself.



When using the “Panasonic SmartApp+” app
(Cause of malfunction due to radio waves from the appliance)

- Keep at least 15 cm away from the mounting part of the cardiac pacemaker.
- Keep away from medical equipment and automatic control equipment (automatic doors, fire alarms, etc.).

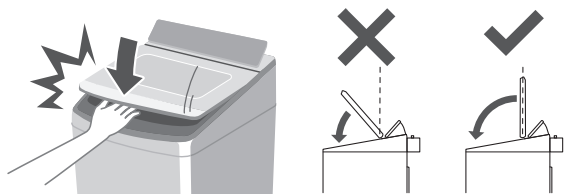
Safety Precautions (continued)



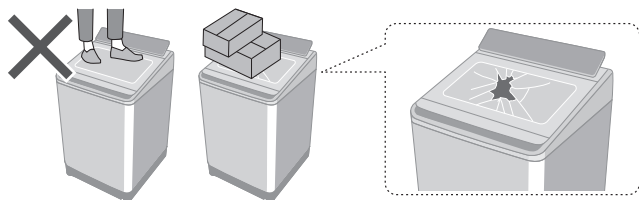
CAUTION

May cause injury.

Be careful not to get your fingers caught.

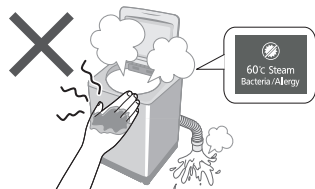


Do not climb or put objects on the appliance.

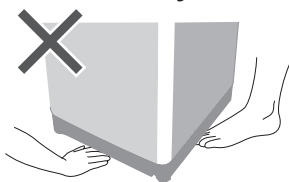


- If the lid is broken, immediately stop using.

Do not touch when it is hot.

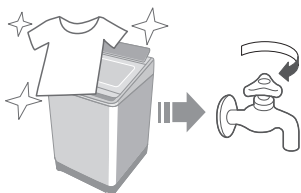


Be careful of your hands and feet.

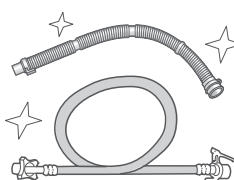


May cause water leakage.

Turn off the water faucet.



Use new hose-sets.

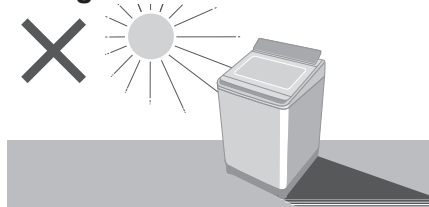


- New hose-sets supplied with the appliance are to be used and old hose-sets should not be reused.

■ For maximum mass of dry cloth and pressure of tap water, see Page 44.

May cause failure.

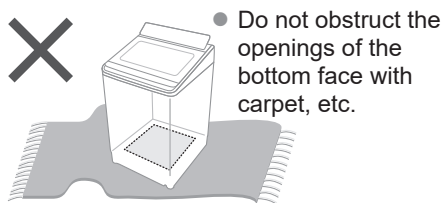
Keep away from heat and direct sunlight.



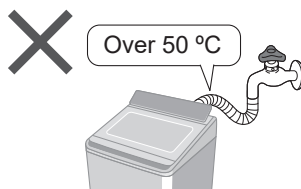
Do not wash waterproof items.



Do not obstruct.



Do not use hot water.



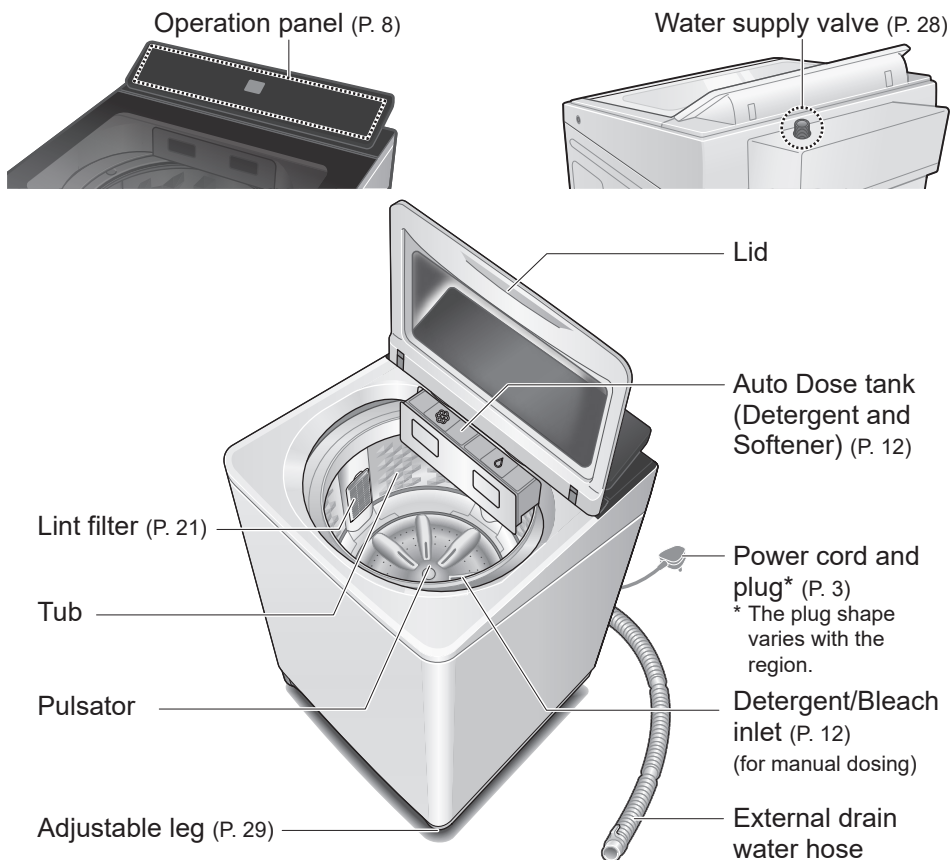
For machine-washable items only.



- This appliance is intended to be used in household. This appliance is not intended to be used in applications such as:
 - Staff kitchen areas in shops, offices and other working environments;
 - farm houses;
 - by clients in hotels, motels and other residential type environments;
 - bed and breakfast type environments;
 - areas for communal use in blocks of flats or in laundrettes.

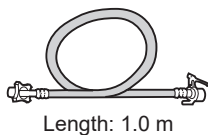
Part Names / Accessories

Part names



Accessories

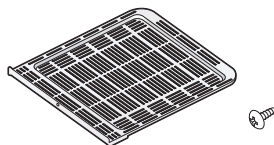
- ☐ Water supply hose (1) (P. 28)



- ☐ External drain water hose (1) (P. 27)



- ☐ Bottom cover (1) /Screw (1) (P. 27)



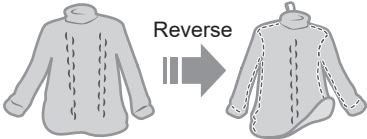
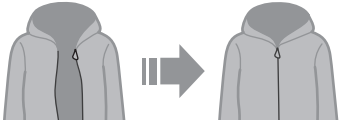
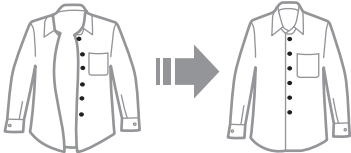
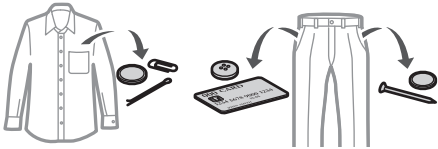
- ☐ Water tap adaptor (1) (P. 28)



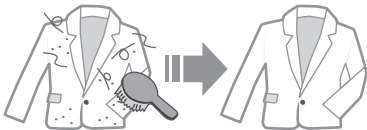
Before Washing

Laundry preparation and check

Pre-laundry check

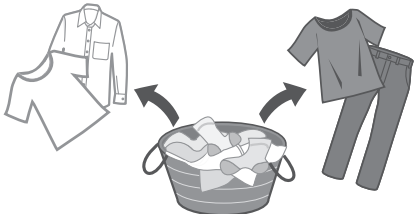


Clothes likely to pill

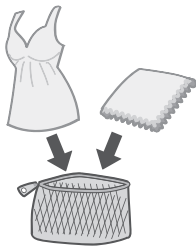


Paper diapers

To prevent colour staining



Use laundry nets for delicates



For "Stain Master +" (P. 18)

- Pretreatments for heavily stains



- Observe the clothes' care labels



- For  60°C Steam Bacteria / Allergy

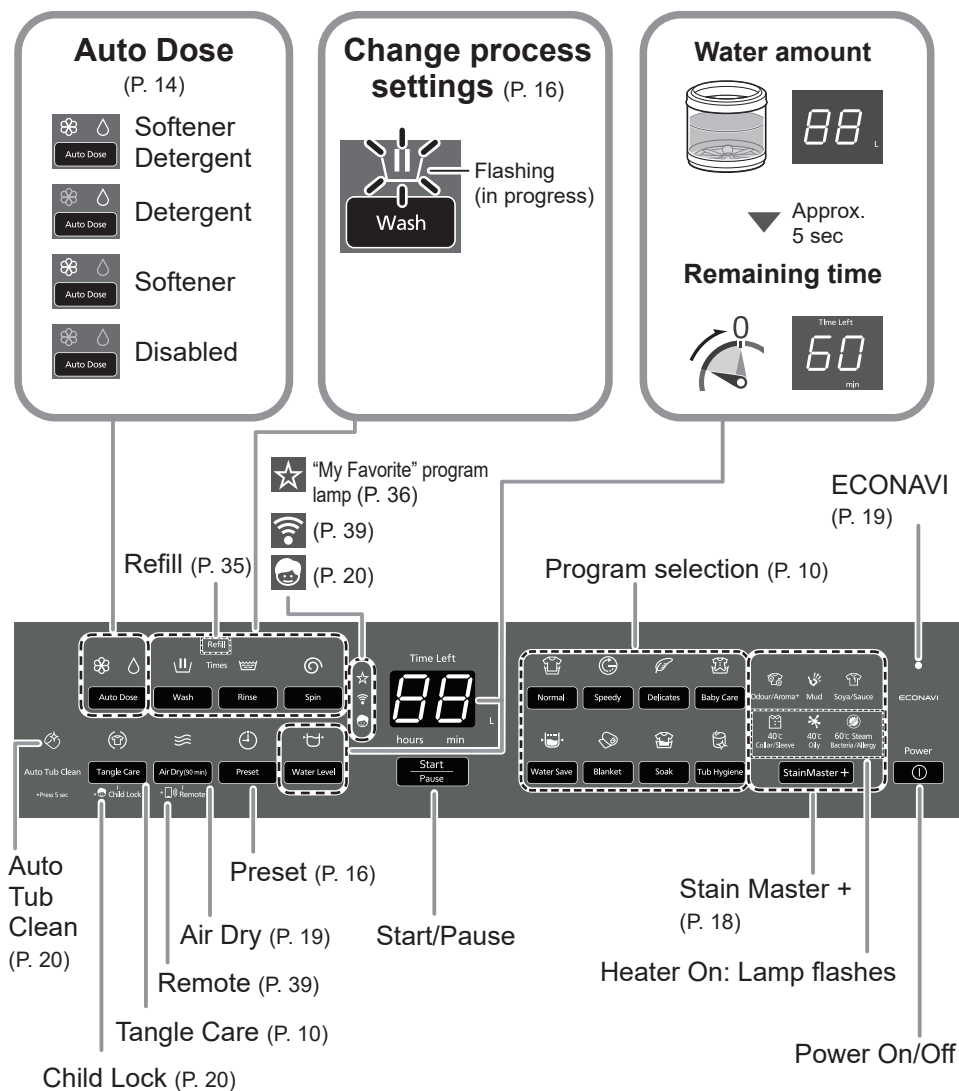
- Coloured clothes
- Shirts with stiff fabric



- Rubber clothes
- Graphic shirts



Operation Panel

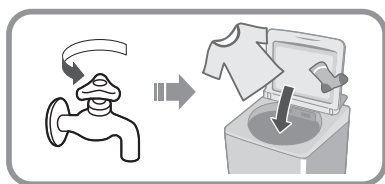


NOTE

- In case of a power failure.
⇒ Operation will resume from where it stopped when the power recovers.
- If you do not press **Start/Pause** within 10 minutes after power-on.
⇒ Auto power off.
- The wash process setting of the "Stain Master +" and "Soak" programs cannot be changed.

Washing

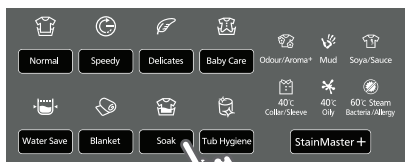
1



Power



2



Tangle Care
(P. 10)

Checking
“Auto
Dose”
setting
(P. 8, 14)

■ Preset timer
Preset
(P. 16)

3

Measures the
amount of laundry.

Start
Pause



10 sec



5 sec



20 sec

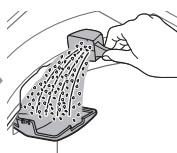


4

(for manual dosing)



(P. 8)



(P. 13)

5



■ After pressing “Start”

- To change each operation (while washing).

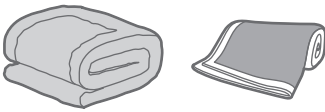


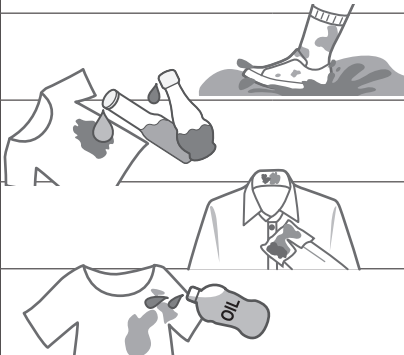
- To check or change the water level (while washing).



- You cannot change the program.

Variety of Programs

	Program	Purpose	Max. capacity (kg)
Wash	 Normal (P. 9)	● Everyday clothes 	16.5
	 Tangle Care (P. 9)	● Anti-tangling • Washing more gently than “Normal” to reduce tangle. • Disentangling clothes after spin: 8 kg or less.	
	 Speedy (P. 9)	● For light soil 	16.5
	 Delicates (P. 17)	● Washing gently 	5.0
	 Baby Care (P. 9)	● Clothes for babies & sensitive skin - Rinsing thoroughly 	16.5
	 Water Save (P. 9)	● Saving water 	16.5
	 Blanket (P. 17)	● Comforters and blankets  With a machine-washable tag	4.2

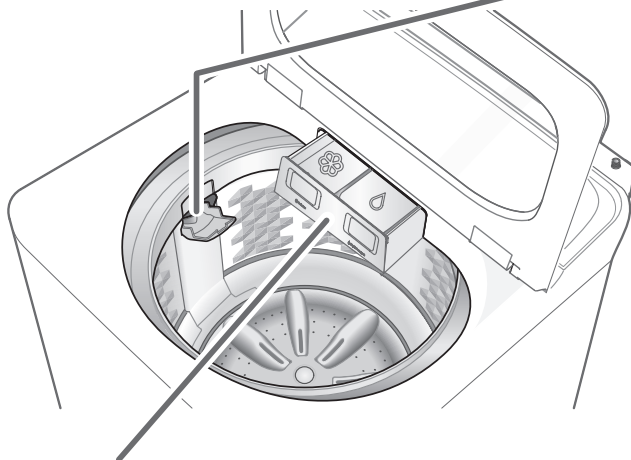
	Program	Purpose	Max. capacity (kg)
Wash	 Soak (P. 9)	For heavy soil 	16.5
	StainMaster + (P. 18)	For the following stains	6.0
	Light  Odour/ Aroma+	Use more softener to keep the scent longer	
	 Mud		5.0
	 Soya/Sauce		
	 Collar/Sleeve (40 °C)		
	 Oily (40 °C)		
	Bacteria/Allergy (60 °C Steam)		
Dry	 Air Dry (90 min) (P. 19, 25)	Drying synthetic fibre clothes 	3.0
		Tub drying 	—
Maintenance	 Tub Hygiene (P. 25)	Tub cleaning Removing black mould and smell	—

NOTE

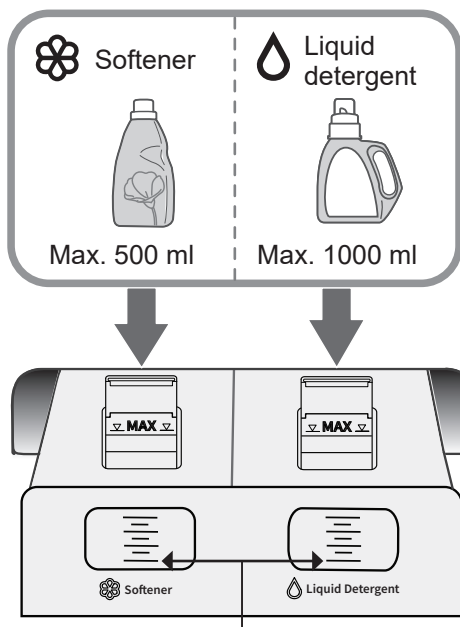
- “Normal” program and “Water Save” program are recommended for a normally soiled load at the rated capacity of this washing machine.

Detergent / Softener / Bleach

- Follow the instructions on each package.
- For cleaning (P. 22)
- Close Auto Dose tank completely before use.
Push the tank until there is a “click” sound.



Auto Dose tank



Add detergent/softener before it drops below the line.

NOTE

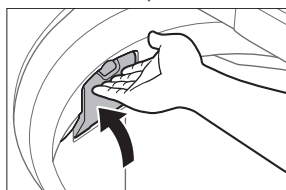
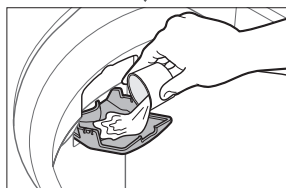
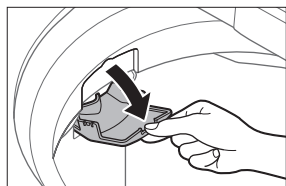
- Liquid detergent/softener left for a long time may clump or solidify. In that case, clean Auto Dose tank. (P. 22)



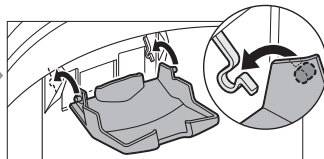
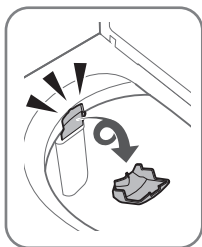
Do not use separated or solidified detergent/softener

For manual dosing

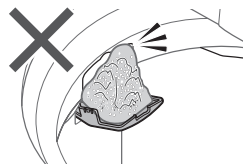
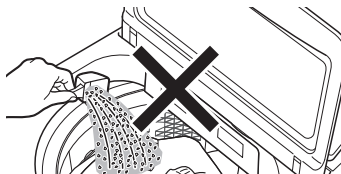
Detergent, Bleach



e.g.) Liquid bleach



Whiten bleach
(chlorine bleach)



- **Do not pour detergent directly into the tub.**
- The level of foaming depends on the load size, soil, detergent, and water hardness.
- Dilute bleach with water before putting it in the detergent/bleach inlet.
- Pour detergent according to water level, follow the instructions on the package.

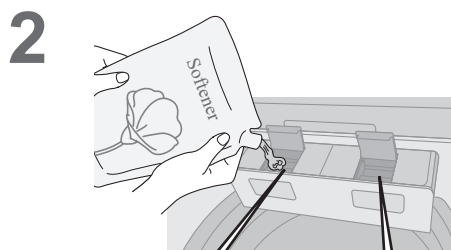
Auto Dose

Detergent and softener will be automatically added depending on the amount of laundry and dose amount setting, available with all programs except “Tub Hygiene”, “Air Dry (90 min)” and “Water Save” (Softener only). (P. 35)

■ To supply detergent / softener



- Press the lock at the bottom of the tank and pull it out.



Softener
Max. 500 ml

Liquid detergent
Max. 1000 ml

- 3** Close Auto Dose tank completely.

■ To set “Auto Dose” function



■ Standard amount

- Water: 50 L
- Liquid detergent: 45 ml
- Softener: 35 ml

■ To change the dose amount



- Range value
 - Detergent: 10 ml - 95 ml
 - Softener: 10 ml - 95 ml
- Step change: 5 ml

(The setting is memorized.)



NOTE

- If there is water in the tub before, detergent and softener will not be automatically supplied when washing.

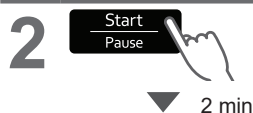
■ Q&A

	Questions	Answers
Detergent/Softener	What cannot be used with “Auto Dose” function?	The following cannot be used: ● Powder detergent ● Liquid soap ● Items that do not have a “Estimated amount to use” label on the package ● Bleach ● Powder soap Baking soda cannot be used for manual or auto dosing.
	Changing brand?	Follow the steps below: ① Empty the Auto Dose tank and clean it. (P. 22) (Mixing different brands can cause clogging) ② Add new detergent/softener. (P. 14)
	Can I add more before it runs out?	The same brand can be added as it is.
	What is the standard amount for detergent/softener?	● The standard amount is the amount of detergent/softener used per 50 L of water. Check information on the package. ● If there is no information on the package or if you are unsure, contact the manufacturer.
How to use “Auto Dose” function	How many times can the laundry be washed with Auto Dose tank full?	● Detergent and softener: about 17 times The number of times varies depending on the amount of laundry and dose amount setting.
	If you do not set the dose amount?	● The standard amount is • 45 ml detergent per 50 L water • 35 ml softener per 50 L water ● If the settings are not appropriate for detergent/softener you are using, stains may not come off or the laundry may darken.
	What happens if put detergent in detergent/bleach inlet while setting “Auto Dose” function?	Because it is put in twice, it will be too much.

Washing Options

Preset

Set how many hours later to finish operation.



All other indications turn off.



Normal	2 - 24
Speedy	1 - 24
Delicates	-
Baby Care	2 - 24
Water Save	2 - 24
Blanket	-
Soak	3 - 24
StainMaster +	(P. 18)
Air Dry (90 min)	-
Tub Hygiene	-

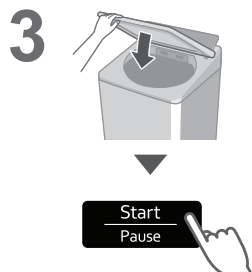
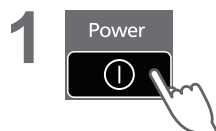
■ To confirm



■ To cancel or change



Wash / Rinse / Spin



NOTE

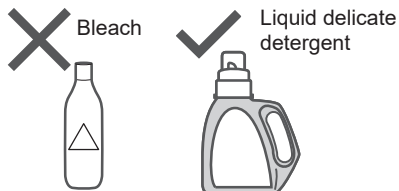
- Not available for "Tangle Care".



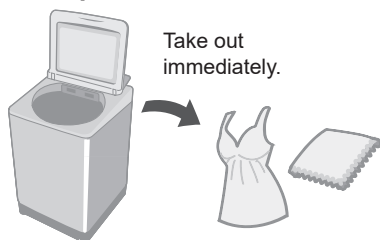
Delicates

74 L	5.0 kg
66 L	3.0 kg
59 L	1.0 kg

NOTE

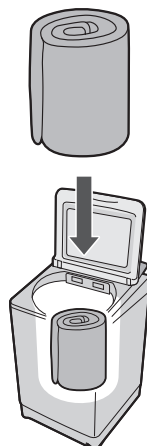


■ After operation ends

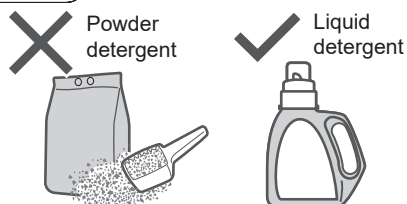


Blanket

Max. water amount	4.2 kg • 100 % synthetic fibre • 100 % cotton
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NOTE



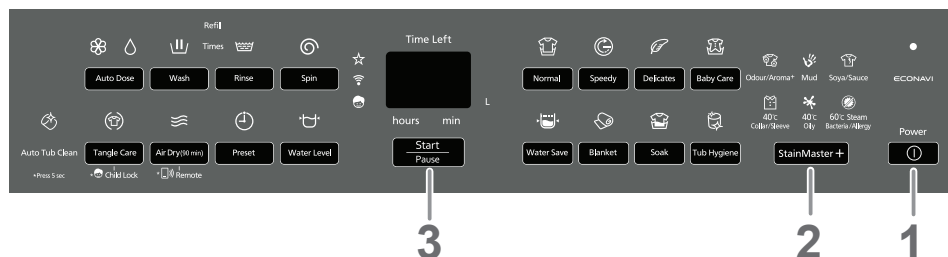
NOTE

- The water amount indication shows the maximum and cannot be changed.

Washing Options (continued)

Stain Master +

Preparation: (P. 7)



1



2



- Timer preset (hours) (P. 16)
- Collar/Sleeve: 3 - 24
- Oily: 3 - 24
- Bacteria/Allergy: 4 - 24
- Others: 2 - 24

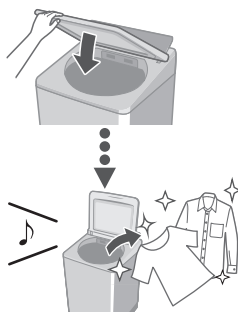
3



4

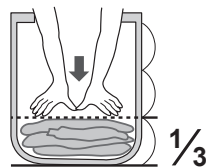


5

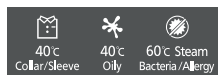


NOTE

- Max. capacity (P. 11)



- Max. water amount
 - Bacteria/Allergy: 66L
 - Others: 81L
- You cannot change the wash process setting of this program.
- When using

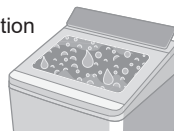


- Make sure to close the lid.



- Dew condensation may occur on the lid, etc.

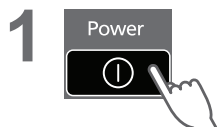
Condensation



Air Dry (90 min)

The air blown from the tub rotation removes water from clothes.

- Dryable clothes: Synthetic fibre (Max. 3.0 kg)



NOTE

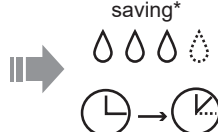
- Clothes may not be sufficiently dried (depends on amount and type of clothes, and the temperature).
- This function does not use a heater. Clothes may be cold and half dry.

ECONAVI

● "Normal" program only

Weight / Temperature

Water and time saving*



■ Lamp indications



Detecting



ECONAVI enabled



ECONAVI disabled

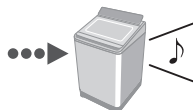
■ To turn on/off



Hold 3 sec



to select



* Test conditions:

- "Normal" program
- Comparison between ECONAVI-enabled operation (amount of laundry: 2.0 kg, water temperature: above 35 °C) and ECONAVI-disabled operation (amount of laundry: 16.5 kg (rated capacity), water temperature: below 15 °C)
- Test was conducted based on IEC60456 except for water temperature.

Convenient Functions

Setting Auto Tub Clean

Preventing black mould, available with all programs except "Water Save" and "Air Dry (90 min)".

■ Lamp indications



Operating



Function enabled



Function disabled

■ To turn on/off

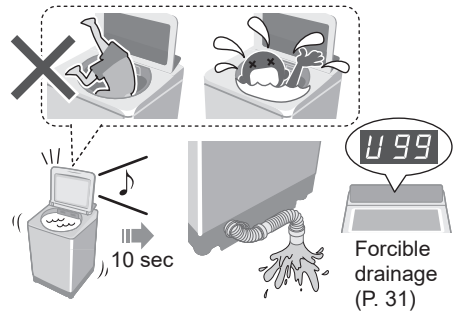
- 1
- 2
- 3 Hold 3 sec
- 4 to select ↔ off on
- 5 →

Cancelling end buzzer

- 1 & Hold 3 sec

- To reset:
same procedure

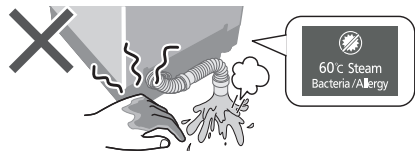
Setting Child Lock



* This function does not lock the lid and button operations.

- 1
 - 2 Hold 5 sec
- To cancel: same procedure

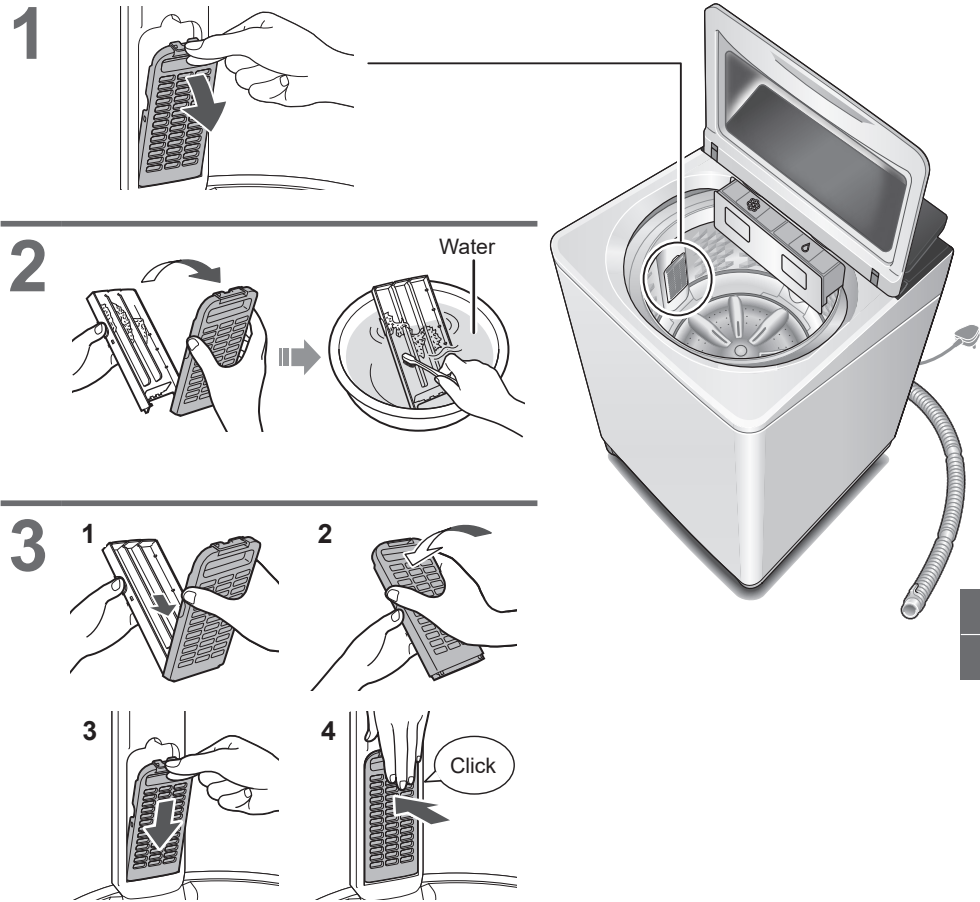
NOTE



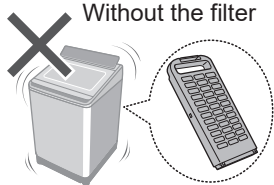
Maintenance

Lint filter

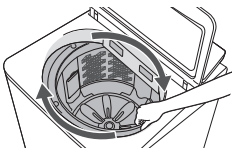
After each operation



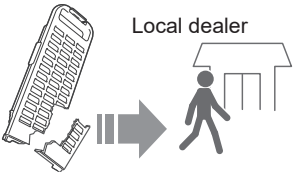
NOTE



If it is difficult to remove the filter



If the filter is broken
Local dealer



Maintenance (continued)

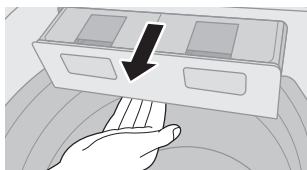
Auto Dose tank

Once every
3 months

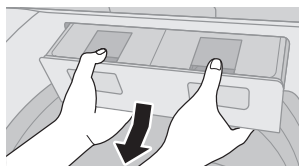
When changing detergent
or softener brand

When not used for
more than 1 month

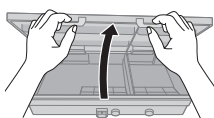
- 1** Take out the tank.
Press the lock at the bottom
of the tank and pull.



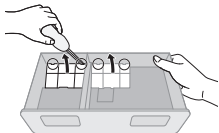
Pull it out diagonally
downward.



- 2** Open the tank lid, remove 2 filters, then wash with water.

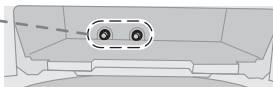


Backside

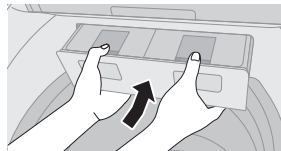
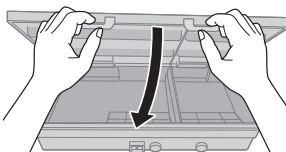
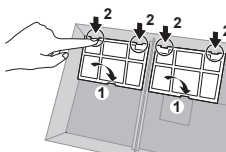


NOTE

- Do not reuse leftover liquid detergent and softener.
- Do not wipe the joint.
(cause of clogging)

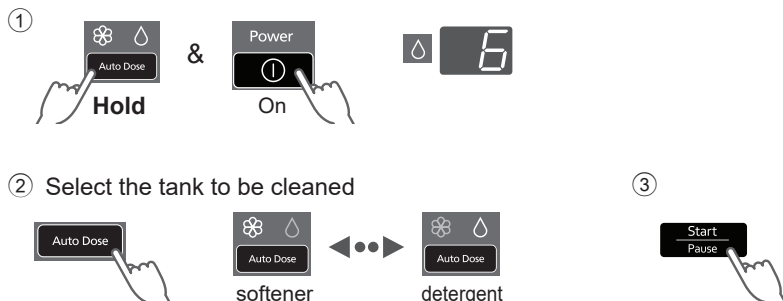


- 3** Attach filters, close the lid and attach the tank.

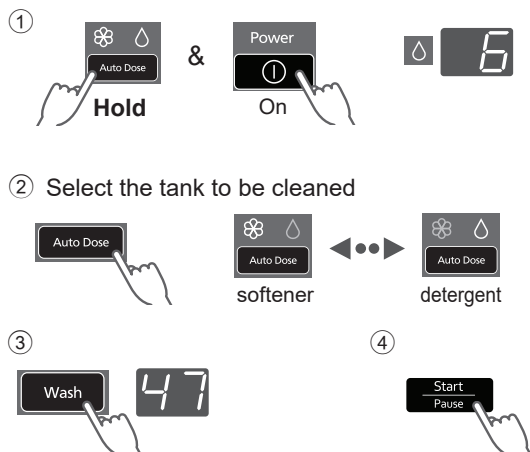


4

- Fill the tank about halfway with water, then close completely.
- Close the lid of washing machine and run “Auto Dose Tank Clean” function to clean (6-minute maintenance for detergent and softener each).



- If the joint is clogged, run “Auto Dose Tank Deep Clean” function to deep clean (47-minute maintenance for detergent and softener each).



5

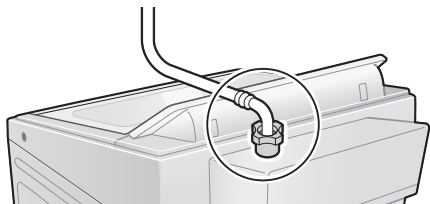
Take out the tank, discard the remaining water and wipe off the water, then attach the tank.



Maintenance (continued)

Water supply filter

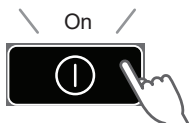
If water does not flow smoothly



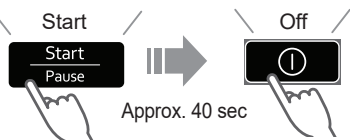
1



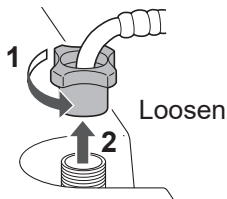
2



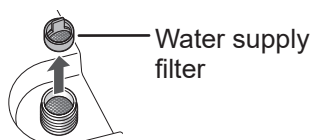
3



4



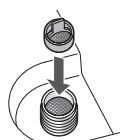
5



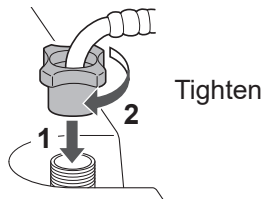
6



7



8

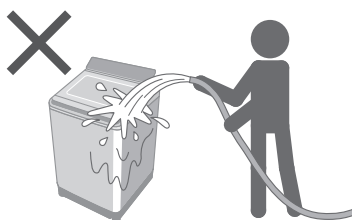


Main unit, lid



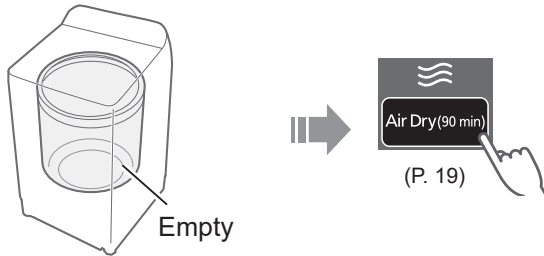
For heavy soil

Mild kitchen detergent



Tub

Once a week <Air Dry>

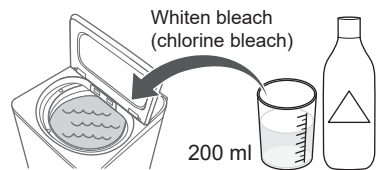


Once a month <Tub Hygiene>

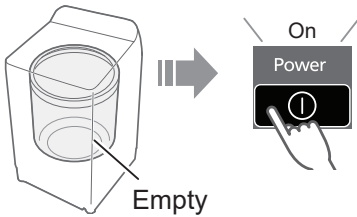
1



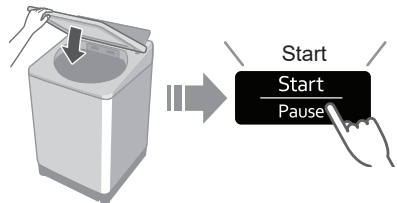
5



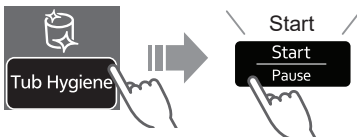
2



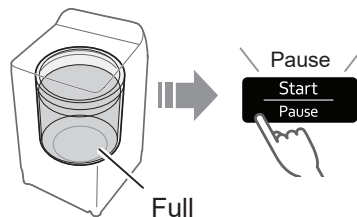
6



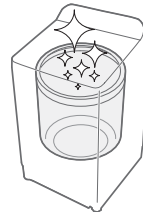
3



4

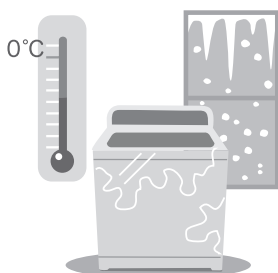
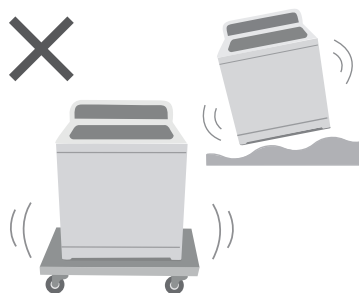
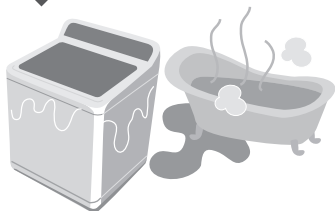


Approx. 2.5 hours



Installation

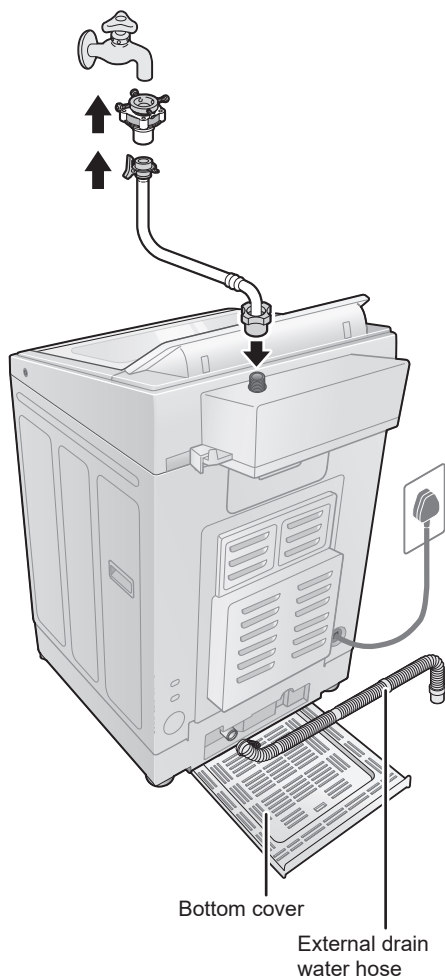
Check the location.



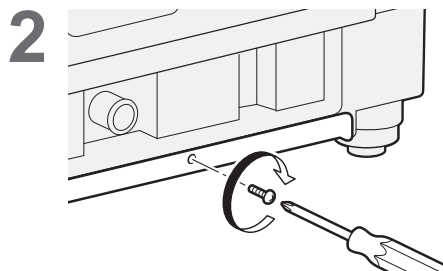
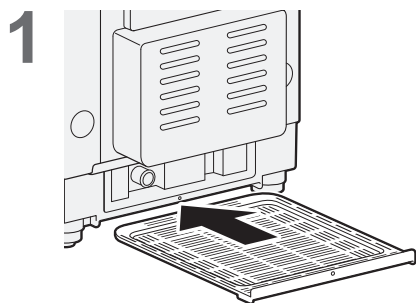
Make sure to ask a service person for installation.



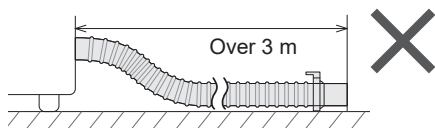
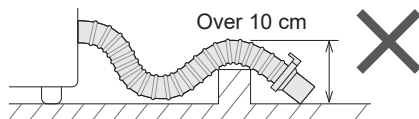
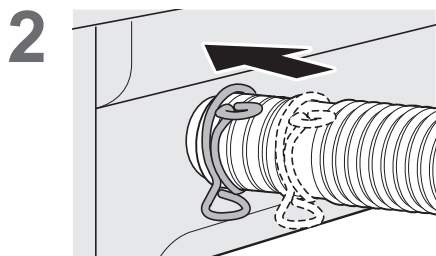
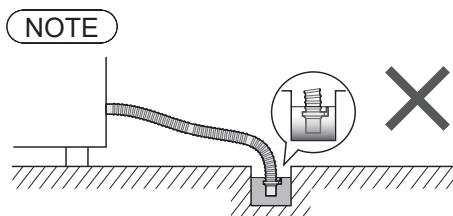
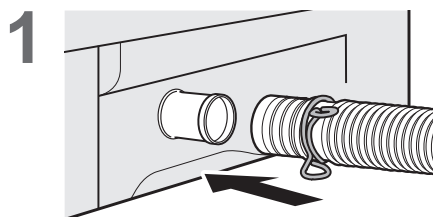
- Do not install by yourself.
- Follow this installation method.
If you do not, Panasonic will not be liable for any accident or damage.



Attach the bottom cover

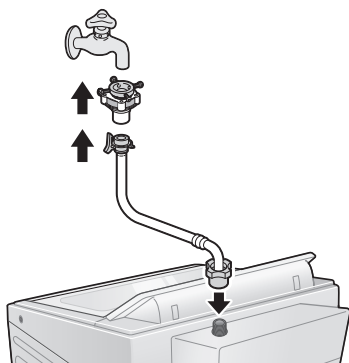


Attach the external drain water hose

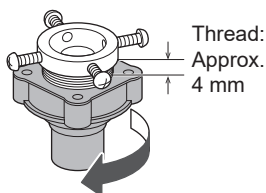


Installation (continued)

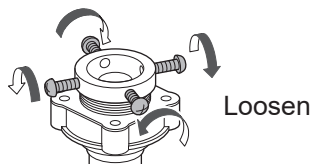
Connect the water supply hose



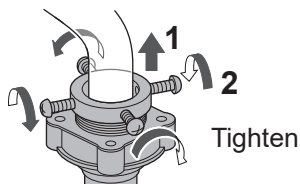
1



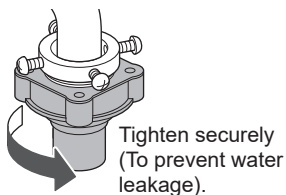
2



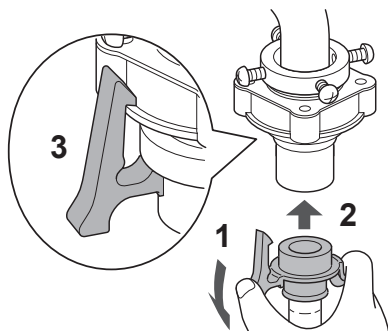
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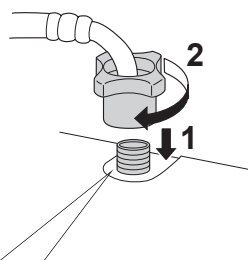
4



5



6



3

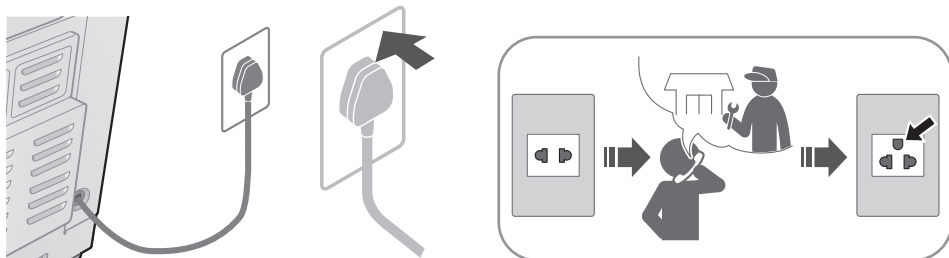
Check that the elbow is not loose.



CAUTION

- Tighten the nut firmly.
- Do not twist, squash, modify or cut the hose.

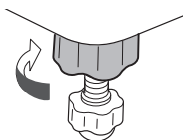
Connect the power plug and grounding



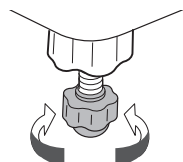
Check that the washing machine is level

■ If the washing machine wobbles

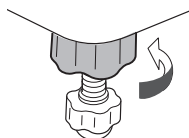
Loosen



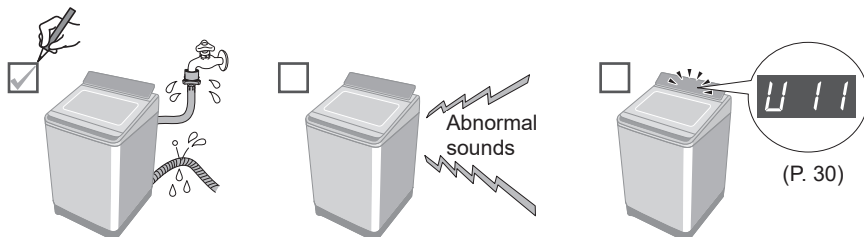
Adjust



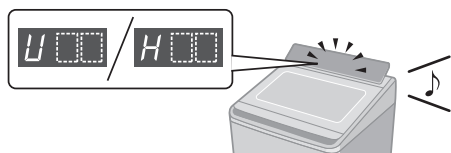
Tighten



Trial operation



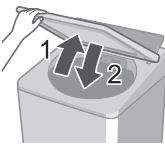
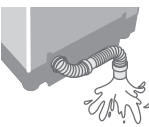
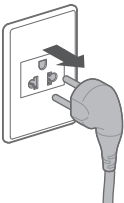
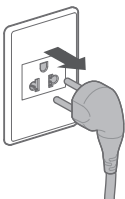
Error Display



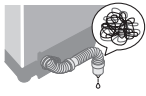
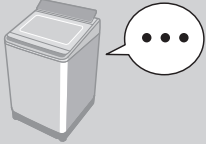
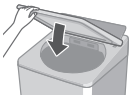
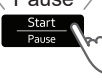
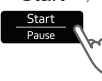
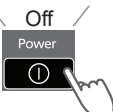
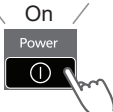
■ Preparation

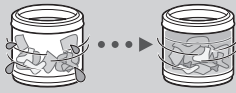
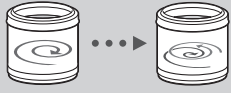
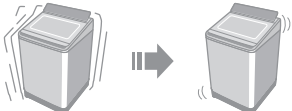
Cancel Child Lock (P. 20)
if it is set.

Error Display	Points to be checked	
Water cannot drain.	1 Check	2
The lid is open.	1	
Spin or "Air Dry" is not possible.	1 Uneven	1 Even
	2	
	1 Unstable or incline	1 Stable
		2

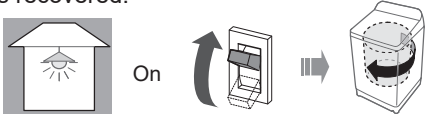
Error Display	Points to be checked
 Water cannot be supplied.	Water outage  Turned off   1  Water supply filter (P. 24) 2 
 Water has been forcibly drained.	With Child Lock set   Forcible drainage  10 sec 1   5 sec 
 Inspection is required.	1  2  3  

Troubleshooting

	Symptoms	Points to be checked
Time	Indication increases or does not decrease. 	Time indication is approximate. Remaining time is corrected during operation. 
	Longer than the indication.  Operation passes the preset time. 	When clothes are uneven.  When the water drainage is not good.  When the water supply is not good.  ⇒ The operation time may be longer.
Main unit	No operation 	☐ Check ● Power failure  ● Timer preset  ☐ Try ● Close the lid.  ● Turn on.  ● Insert the power plug completely.  ● Press "Start".  ● Turn breaker on. 
	Cannot change process settings (after start). 	☐ Try ● During wash process 1 Pause  2  3 Start  ● After wash process 1 Off  2 On 

	Symptoms	Points to be checked
Wash	Water is supplied while washing. 	When water level drops.  When amount of laundry is large.  ⇒ Water is added automatically.
	The water level too high 	When laundry is wet.  When there is water in the tub before operation.  ⇒ The water level may be higher.
	too low 	When clothes are light (synthetic fibre, etc.).  ⇒ The water level may be lower.
	Operation started with rinse, but water is not supplied. 	When there is no water in the tub.  ⇒ Water is supplied after spin. When there is water in the tub.  ⇒ Water is supplied after water discharge and spin.
Spin	Spin changes to rinse. Rinse starts instead of spin. 	If clothes are uneven, this appliances automatically corrects unevenness by rinse process. 
	Irregular rotation 	The tub rotation speed is adjusted to reduce vibration. 

Troubleshooting (continued)

	Symptoms	Points to be checked
Others	Power failure/Breaker off. 	Operation will resume from where it stopped when the power is recovered. 
	StainMaster + has no effect. 	☐ Check ☐ Try ● Max. capacity (P. 11)  ● Pretreatment (P. 7)  ● Select according to the stain type. (P. 11) 

Contents of Programs

Program		Total time* ¹ (min)	Wash (min)	Rinse (times)	Spin (min)	Auto Dose	
						Detergent	Softener
	Normal	65	9	2	7	✓	✓
	Tangle Care	75	13	2	7	✓	✓
	Speedy	50	3	2	5	✓	✓
	Delicates	50	9	2	1	✓	✓
	Baby Care	80	9	2	7	✓	✓
	Water Save	80	12	3	7	✓	—
	Blanket	80	12	2	7	✓	✓
	Soak	130 * ²	71 (Soak 59)	2	7	✓	✓
Stain Master +	Odour/Aroma+	85	13	2	7	✓	✓
	Mud	90	32	2	7	✓	✓
	Soya/Sauce	110 * ²	54 (Soak 29)	2	7	✓	✓
	Collar/Sleeve	165 * ²	33 * ³	2	7	✓	✓
	Oily	170 * ²	38 * ³	2	7	✓	✓
	Bacteria/Allergy	190 * ²	30 * ³	2	7	✓	✓
	Tub Hygiene	150 * ²	65 (Soak 62)	2	30	—	—

*1 Total time is approximate (When the standard water supply rate is 15 L / min and the water temperature is 28 °C).

*2 Remaining time of 99 minutes or less will be displayed.  → 

*3 Excluding water heating time. Symbol  will be displayed during the water heating process.

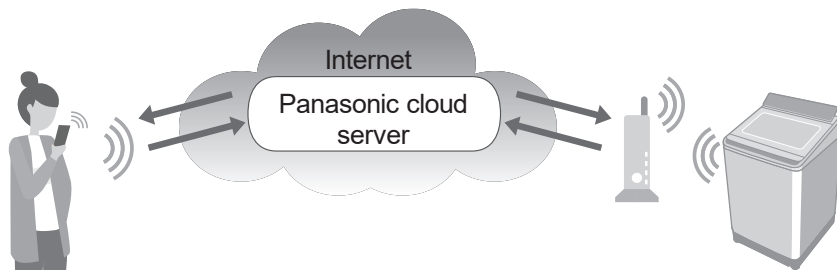
● “Refill”: to fill the tub with water and rinse while supplying water.



Panasonic SmartApp+

More convenient with your smartphone

You can use the service using the “Panasonic SmartApp+”.

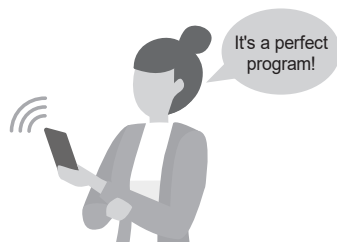


You can operate the washing machine or set the timer with application.

Support program selection from program history.

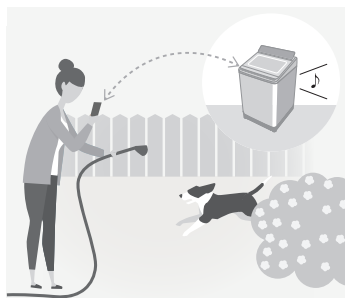
**We have “My Favorite” program.
You can create original programs
with your favorite settings.**

- Up to 10 programs.



Notification of washing status and end of operation.

**Clothes can be taken out
immediately after washing.**



- The contents, functions and designs of this service are subject to change or termination without prior notice.

Required Equipment and Environment

Let's check the equipment required to use the app.

- Android or iOS (iPhone) smartphone
- About supported OS

<https://www.panasonic.com/fiot/wash/>



Panasonic Website



- Internet environment

Please confirm that it is a broadband line.

Example) FTTH (optical fiber), ADSL, CATV (cable television), etc.

Internet communication charges will be borne by the customer.



- Wireless LAN router
Use a wireless LAN router to connect to the internet.



NOTE

- Make sure that the wireless LAN router has a communication standard of 2.4 GHz band. (Communication standards: IEEE802.11b, IEEE802.11g, IEEE802.11n) Other than the above cannot be used.
- Models that only support WEP cannot be used.
- As a security measure, be sure to use a wireless LAN router that can set the encryption method WPA3, WPA2, or WPA.
- We recommend WPA3 and WPA2 (AES) as the encryption method.
- We do not guarantee the operation of all wireless LAN routers. (Mobile router is not guaranteed to work.)

Panasonic SmartApp+ (continued)

Initial Settings



Follow the settings on the screen of the app.

1 Install the “Panasonic SmartApp+” (free)

- You can find the link to download the application from “Panasonic Website”.
<https://www.panasonic.com/fiot/wash/>



Panasonic Website

- Alternatively, you can search for the “Panasonic SmartApp+” app on Google Play (Android) or App Store (iOS) and install the app.
- You can also scan the link to install the app from the QR code pasted on the washing machine.

2 Follow instructions displayed on the screen of the app and register the washing machine.

- Operate in a position where you can check the display on the washing machine.
- It cannot be operated while the washing machine is running.



Use the app (P. 39)

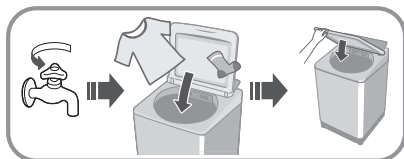
Using the “Panasonic SmartApp+”

After initial setting is completed, you can use the app.

Preparing to use the “Remote” function

You need to prepare the washing machine before going out.

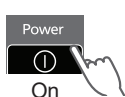
1



NOTE

- Close the lid completely.
- Make sure there is still detergent/softener in Auto Dose tank.

2



3



Approx. 2 sec.

After 10 min.



All other indications turn off, except:



NOTE

- To cancel the remote control mode → turn the power off.
- When there is no remote control from the app, the remote control mode is released after 23 hours. During remote control mode, all buttons on the appliance (except ) are disabled. You can only control the washing machine from the app. After 23 hours, the normal screen is displayed and the remote control is disabled.

To check the communication status with the lamp on control panel.

■ Lamp position

	Light up	Communicatable (Connected)
	Blinking	Trying to communicate (Connecting to server)
	Off	Not connected

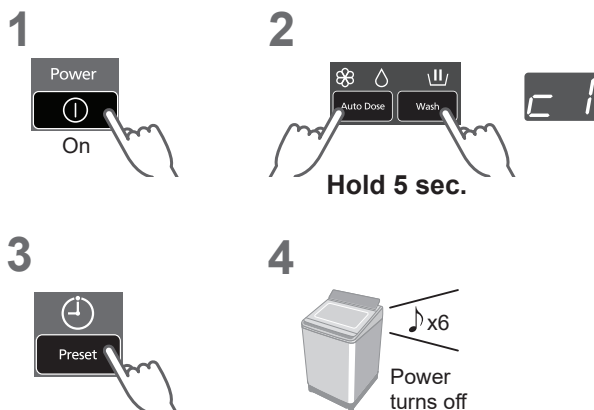


Panasonic SmartApp+ (continued)

Initializing

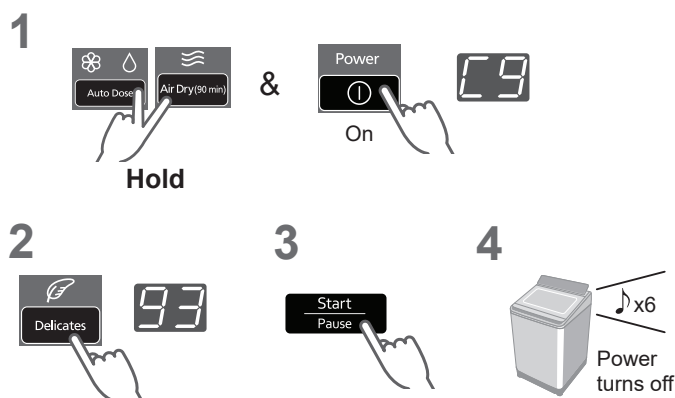
- When you stop using the “Panasonic SmartApp+”
- Suspected use due to unauthorized access
- If the appliance is a pre-owned machine

Reset the wireless LAN settings to the default settings.
(Operate on the washing machine)
You should also stop using the service of the app.



Reset all the contents such as the wireless LAN settings, washing machine settings, operation history, etc. to the state at the time of purchase.
(Full initialization)
(Operate on the washing machine)

When you dispose of or transfer the washing machine



Error Display

Error display	Causes & Measures
U81	- Failed to connect the washing machine and the wireless LAN router. Check the following. - The router is not turned on. → Turn on the power. - The distance between the router and the washing machine is too long.→ Bring the router closer. - There is a device that uses radio waves, such as a microwave oven, nearby. →Keep a distance. →Stop using the device or wait a while and try again. - Multiple devices are connected to the router. →Turn off the power of the device you are not using.
U82	- Communication error with the server. - There may be a problem with your internet connection. →If you do not know the cause, contact your provider, carrier, or router manufacturer.
U83	- In “Backup connection”, SSID or password of the router is incorrect. →Check the description of the router. - Failed to connect the washing machine and the router. →Check the above “U81”.
U84	“Scan connection” failed. Check the following. - The Bluetooth® setting on your smartphone is turned off. - The QR code cannot be read correctly. →Make sure that the Bluetooth® setting is ON, and then connect again. If you still cannot connect, please try “Backup connection”.
The app displayed the word like “Cannot communicate with the washing machine.”	- Communicate again after a while, or check the connection status by the following method. 1 2 3 4 Turn off On Hold 5 sec. Water level →If “U81”, “U82”, etc. are displayed, it is a connection error. Check the above.

Panasonic SmartApp+ (continued)

Usage for wireless LAN/Bluetooth®

■ Usage restrictions

Please note that there are the following restrictions on use. Panasonic is not liable for any incidental damages resulting from the failure to comply with the restrictions and the use or inability to use the machine.

- Do not connect to a wireless network that you do not have permission to use. A wireless network (SSID*) that you do not have permission to use during automatic search of the wireless network environment may be displayed, but if you connect, it may be considered as unauthorized access.
- Do not use in a place where magnetic field, static electricity, or radio interference is generated. If you use it near the following devices, communication may be interrupted or the speed may slow down.
 - Microwave oven
 - Other wireless LAN / Bluetooth® devices
 - Other devices that use radio waves in the 2.4 GHz band (digital cordless phones, wireless audio devices, game consoles, PC peripherals, etc.)
 - Metal objects that easily reflect radio waves

* A name used to identify a specific network on a wireless LAN. If this SSID matches on both devices, communication is possible.

■ Security measures

- Since the wireless LAN uses radio waves to send and receive data, there is a risk of unauthorized access. Take security measures to ensure the safety of your data. (P. 37) Please note that we are not responsible for any problems that occur without taking security measures.
- For the password (encryption key) of the wireless LAN router, refer to the instruction manual of the wireless LAN router and set it in consideration of security.

■ About firmware

- This machine has a function to connect to our firmware update server via the Internet and automatically update its own firmware to the latest version. Since wireless communication is temporarily interrupted during the update, communication may be interrupted or the speed may slow down.
- Do not analyze or modify the firmware.

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You can find the link to download the most up-to-date information of Copyright for “Panasonic SmartApp+” application.

<https://www.panasonic.com/content/dam/Panasonic/id/id/PDF/Operating-Instructions-NA-FD165W3BS.pdf>

or QR code as below:



Specifications

Model No.	NA-FD165W3
Rated voltage	220 - 240 V
Rated frequency	50 Hz
Rated power consumption	1475 - 1750 W
Standard water amount	99 L
Maximum mass of dry cloth	16.5 kg
Product dimensions	681 mm (W) x 733 mm (D) x 1153 mm (H)
Product weight	50 kg
Pressure of tap water	0.01 - 1 MPa

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