

SECTION 14

Reverse Osmosis Systems



WATER QUALITY PRODUCTS Catalog 10

Watts product specifications in U.S. customary units and metric are approximate and are provided for reference only. Watts reserves the right to change or modify product design, construction, specifications or materials without prior notice and without incurring any obligation to make such changes and modifications on Watts products previously or subsequently sold.

Watts® 525 Premium Series RO Systems

Certified by NSF International



Best Selling Product. Try it today!

W-525

Features & Benefits

Watts "525" ROs are our best selling certified model, offering third party documentation and exceptional performance! Features and benefits include:

- Five stage treatment for superior performance.
- 50 GPM membrane (Made in USA).
- Designer chrome faucet with ceramic disc for greater durability.
- Genuine John Guest® fittings throughout for optimum security.
- 3/8" post filter and 3/8" tubing to faucet for greater flow.
- Assembled in USA.
- Certified by NSF International (Std. 58) for third party documentation.
- Certified to NSF / ANSI Std. 58 for Pentavalent Arsenic reduction.
- One year limited warranty from date of purchase.

ASSEMBLED IN THE U.S.A. ★

Specifications

Specification	Data
Membrane	50 GPD
Maximum pressure	100 psi
Minimum pressure	40 psi
Maximum TDS	2,000 PPM
Maximum hardness	15 GPG
Maximum Iron	0.3 PPM
Maximum HS	0.0 PPM
Tubing (tank & faucet)	3/8"
Tubing (other)	1/4"

Replacement Components

Components	Part number
Pre-filter, sediment, 5 micron	FPMB5-978
Pre-filters, carbon, 5 micron	WCBCS-975
Membrane	W-1812-50
Post filter	FI-CBA010J.38
Faucet	FU-WDF-905-CP
Tank	FRO-132-WH
Fittings (inlet, outlet)	Quick Connect
Feed water valve	F560080

Specifications

Part Number	Pump	Stage	Membrane	Faucet	Fittings	Tank	Ship Wt.
W-525	No pump	5	50 GPD	Designer - 905 Chrome	Quick Connect	Metal	30



System tested and certified by NSF International against NSF / ANSI Standard 58 for the reduction of Arsenic, Barium, Cadmium, Copper, Cyst, Fluoride, Hexavalent Chromium, Lead, Radium 226/228, Selenium, TDS, Trivalent Chromium, Turbidity. (Model W-525).

Conforms to NSF/ANSI 58 for pentavalent arsenic reduction. See performance data sheet and Arsenic Facts section for an explanation.

Watts® 525P Premium Series RO Systems



W-525P

Booster pump built-in

W-525P RO systems come with Aquatech 6800 booster pumps, the industry leader. 110 and 220 volt systems are available.

Features & Benefits

- Five stage treatment for superior performance.
- Comes with booster pump for proper pressure requirements.
- 50 GPD membrane (Made in USA).
- Designer chrome faucet with ceramic disc for greater durability.
- Genuine John Guest® fittings throughout for optimum security.
- 3/8" post filter and 3/8" tubing to faucet for greater flow.
- Assembled in USA.
- Certified by NSF International (Std. 58) for third party documentation.
- Certified to NSF / ANSI Std. 58 for Pentavalent Arsenic reduction.
- One year limited Warranty from date of purchase.



Specifications

Specification	Data
Membrane	50 GPD
Maximum pressure	100 psi
Minimum pressure	40 psi
Maximum TDS	2,000 PPM
Maximum hardness	15 GPG
Maximum Iron	0.3 PPM
Maximum HS	0.0 PPM
Tubing (tank & faucet)	3/8"
Tubing (other)	1/4"

Replacement Components

Components	Part number
Pre-filter, sediment, 5 micron	FPMB5-978
Pre-filters, carbon, 5 micron	WCBCS-975
Membrane	W-1812-50
Post filter	FI-CBA010J.38
Faucet	FU-WDF-905-CP
Tank	FRO-132-WH
Fittings (inlet, outlet)	Quick Connect
Feed water valve	F560080

Specifications

Part Number	Pump	Volts	Stage	Membrane	Faucet	Fittings	Tank	Ship Wt.
W-525P-110	Aquatec	110	5	50 GPD	Designer - 905 Chrome	Quick Connect	Metal	33
W-525P-220	Aquatec	220	5	50 GPD	Designer - 905 Chrome	Quick Connect	Metal	33
W525PEXP-220	Watts	220	5	50 GPD	Designer - 905 Chrome	Quick Connect	Metal	33

Note: W-525PEXP-220 systems are sold for export sales only.

Watts® 415 Premium Series RO Systems

Certified by NSF International



W-415

Features & Benefits

Watts "415" ROs are our best selling certified model, offering third party documentation and exceptional performance! Features and benefits include:

- Four stage treatment designed for superior performance.
- 50 GPM membrane (Made in USA).
- Designer chrome faucet with ceramic disc for greater durability.
- Genuine John Guest® fittings throughout for optimum security.
- 3/8" post filter and 3/8" tubing to faucet for greater flow.
- Assembled in USA.
- Certified by NSF International (Std. 58) for third party documentation.
- Certified to NSF / ANSI Std. 58 for Pentavalent Arsenic reduction.
- One year limited warranty from date of purchase.



Specifications

Specification	Data
Membrane	50 GPD
Maximum pressure	100 psi
Minimum pressure	40 psi
Maximum TDS	2,000 PPM
Maximum hardness	15 GPG
Maximum Iron	0.3 PPM
Maximum HS	0.0 PPM
Tubing (tank & faucet)	3/8"
Tubing (other)	1/4"

Replacement Components

Components	Part number
Pre-filter, sediment, 5 micron	FPMB5-978
Pre-filter, carbon, 5 micron	WCBCS-975
Membrane	W-1812-50
Post filter	FI-CBA010J.38
Faucet	FU-WDF-905-CP
Tank	FRO-132-WH
Fittings (inlet, outlet)	Quick Connect
Feed water valve	F560080

Specifications

Part Number	Pump	Stage	Membrane	Faucet	Fittings	Tank	Ship Wt.
W-415	No pump	5	50 GPD	Designer - 905 Chrome	Quick Connect	Metal	26
W-415-NF	No pump	5	50 GPD	None	Quick Connect	Metal	26



System tested and certified by NSF International against NSF / ANSI Standard 58 for the reduction of Arsenic, Barium, Cadmium, Copper, Cyst, Fluoride, Hexavalent Chromium, Lead, Radium 226/228, Selenium, TDS, Trivalent Chromium, Turbidity. (Model W-525).

Conforms to NSF/ANSI 58 for pentavalent arsenic reduction. See performance data sheet and Arsenic Facts section for an explanation.
Reverse Osmosis Systems

Watts® 315 Premium Series RO Systems

Certified by NSF International



W-315

Features & Benefits

Watts “315” ROs are our best selling certified model, offering third party documentation and exceptional performance! Features and benefits include:

- Three stage treatment designed for superior performance.
- 50 GPM membrane (Made in USA).
- Designer chrome faucet with ceramic disc for greater durability.
- Genuine John Guest® fittings throughout for optimum security.
- 3/8” post filter and 3/8” tubing to faucet for greater flow.
- Assembled in USA.
- Certified by NSF International (Std. 58) for third party documentation.
- Certified to NSF / ANSI Std. 58 for Pentavalent Arsenic reduction.
- One year limited warranty from date of purchase.

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Specifications

Specification	Data
Membrane	50 GPD
Maximum pressure	100 psi
Minimum pressure	40 psi
Maximum TDS	2,000 PPM
Maximum hardness	15 GPG
Maximum Iron	0.3 PPM
Maximum HS	0.0 PPM
Tubing (tank & faucet)	3/8"
Tubing (other)	1/4"

Replacement Components

Components	Part number
Pre-filter, carbon, 5 micron	WCBCS-975
Membrane	W-1812-50
Post filter	WCBCS-975
Faucet	FU-WDF-905-CP
Tank	FRO-132-WH
Fittings (inlet, outlet)	Quick Connect
Feed water valve	F560080

Specifications

Part Number	Pump	Stage	Membrane	Faucet	Fittings	Tank	Ship Wt.
W-315	No pump	5	50 GPD	Designer - 905 Chrome	Quick Connect	Metal	25
W-315-NF	No pump	5	50 GPD	None	Quick Connect	Metal	25



System tested and certified by NSF International against NSF / ANSI Standard 58 for the reduction of Arsenic, Barium, Cadmium, Copper, Cyst, Fluoride, Hexavalent Chromium, Lead, Radium 226/228, Selenium, TDS, Trivalent Chromium, Turbidity. (Model W-525).

Conforms to NSF/ANSI 58 for pentavalent arsenic reduction. See performance data sheet and Arsenic Facts section for an explanation.

Reverse Osmosis Systems

Watts HT Series RO Systems

Low Cost, Three & Four Stage ROs With Innovative Half-Turn Housings



F500398 3 Stage RO

F500960 4 Stage RO

Features & Benefits

- Top quality components for quality assurance
- Unique housings made in the USA
- Carbon block technology for superior performance
- 50 GPD thin film membrane*
- Quick-Connect fittings on inlet and outlet
- Four gallon metal storage tank
- Adapt-A-Valve, drain saddle and tubing included
- F500398 is booster pump or zero waste kit ready
- Competitive pricing and discounts for pallet qty's
- One year limited warranty from date of purchase

*Component made in the USA



Specifications

Specification	Data
Membrane	50 gpd
Maximum pressure	100 psi
Minimum pressure	40 psi
Maximum TDS	2,000 ppm
Maximum hardness	15 gpg
Maximum Iron	0.3 ppm
Maximum HS	0.0 ppm
Tubing (tank & faucet)	3/8"
Tubing (inlet)	1/4"

3 Stage Components (F500398)

Components	Part Number
Pre and Post Filter, carbon	WCBCS975
Metal tank	FRO-132-WH
Feed water valve	F560080
HT Housing o-Ring	OR-4
Valve for tank	PPSV501222W
HT Housing (sed/carbon pre-filter)	F113080
HT Housing (membrane)	F113102
HT Housing (carbon post-filter)	F113083
Membrane	F110023
Auto shutoff valve Quick Twist series	F610042
Triple bracket	F137055

4 Stage Components (F500960)

Components	Part Number
Pre-Filter, sediment	FPMB5-978
Pre-Filter, carbon	WCBCS975
Metal tank	FRO-132-WH
Feed water valve	F560080
HT Housing o-ring	OR-4
Valve for tank	PPSV501222W
HT Housing (sed/carbon pre-filter)	F113080
Membrane housing	EH2501KW
Membrane	W-1812-50
Post-Filter (in-line)	AICRO
Auto shutoff valve 1/4" Quick Connect	F134003
Double bracket	F137048

Models

Part Number	Stage	Membrane (GPD)	Faucet	Inlet	Fittings		Tank	Ship Wt.	No. Per Pallet
					Tank-Faucet				
F500398	3	50	none	1/4" QC	3/8" QC		Metal	22	24
F500960	4	50	none	1/4" QC	3/8" QC		Metal	25	24

Watts® GTS Series RO Systems

Build To Suit! Choose From 4 Or 5 Stage Systems With Metal Or Plastic Tank And Air Gap Or Non Air Gap Faucet

Features & Benefits

- Competitive pricing with special discounts in pallet quantities
- Top quality components for quality assurance
- Proven design –our best selling "no label" model
- Four or five stage treatment for superior performance
- 50 GPD thin film membrane (made in USA)
- Quick connect fittings on inlet and outlet
- Four gallon metal or plastic storage tanks
- Long reach chrome faucet (air gap and non air gap)
- Saddle valves, tubing and instructions included
- One year limited warranty from date of purchase



GTS450S Series



GTS550S Series

Replacement Components

(GTS450S & GTS550S)

Components	Part Number
Pre-filter, sediment	FPMB5-978
Pre-filters, carbon	F109009
Membrane	W-1812-50
Post filter	AICRO
Faucet (non air gap)	F116023
Faucet (air gap)	F116001
Metal tank	FRO-132-WH
Plastic tank	ROPRO4-W
Fittings (inlet, outlet)	Quick Connect
Feed water valve	F560080
Auto shutoff valve	F134003
Check valve	WE-CU3142
Flow restrictor	F122051
Wrench	WR100

Specifications

Specification	Data
Membrane	50 GPD
Maximum pressure	100 psi
Minimum pressure	40 psi
Maximum TDS	1,800 PPM
Maximum hardness	10 GPG
Maximum Iron	0.2 PPM
Maximum Hydrogen Sulfide	0.0 PPM
Tubing (tank & faucet)	3/8"
Tubing (inlet)	1/4"

Models - 4 Stage

Part Number	Stage	Membrane (GPD)	Faucet	Fittings		Tank	Ship Wt.	No. Per Pallet
				Inlet	Tank-Faucet			
GTS450S-NAGF-MT	4	50	Non Air Gap	1/4" QC	3/8" QC	Metal	26	24
GTS450S-NAGF-PT	4	50	Non Air Gap	1/4" QC	3/8" QC	Plastic	26	24
GTS450S-AGF-MT	4	50	Air Gap	1/4" QC	3/8" QC	Metal	26	24
GTS450S-AGF-PT	4	50	Air Gap	1/4" QC	3/8" QC	Plastic	26	24

Models - 5 Stage

Part Number	Stage	Membrane (GPD)	Faucet	Fittings		Tank	Ship Wt.	No. Per Pallet
				Inlet	Tank-Faucet			
GTS550S-NAGF-MT	5	50	Non Air Gap	1/4" QC	3/8" QC	Metal	30	24
GTS550S-NAGF-PT	5	50	Non Air Gap	1/4" QC	3/8" QC	Plastic	30	24
GTS550S-AGF-MT	5	50	Air Gap	1/4" QC	3/8" QC	Metal	30	24
GTS550S-AGF-PT	5	50	Air Gap	1/4" QC	3/8" QC	Plastic	30	24

Systems are assembled in USA and stocked for immediate shipment.

Reverse Osmosis Systems

Watts® Residential RO Systems

Top quality systems –ideal for private label marketing.



ER-1000

Non-electric permeate pump dramatically increases water production by reducing back pressure on the RO membrane.



FMRO4G-ERP-USA

Features & Benefits

- Comes with non-electric permeate pump to dramatically increase water production!
- Permeate pump reduces back pressure on the membrane for improved performance.
- Proven design using John Guest® fittings.
- Four stage treatment to reduce the widest range of drinking water contaminants.
- 50 GPD membrane (made in USA).
- RO PRO® non-metallic storage tank (only 9" in diameter - takes less space).
- Long reach chrome faucet.
- 3/8" tubing from tank to faucet for higher flow.
- Saddle valves, tubing and instructions included.
- One year limited warranty from date of purchase.



Specifications

Specification	Data
Membrane	50 GPD
Maximum pressure	100 psi
Minimum pressure	40 psi
Maximum TDS	2,000 PPM
Maximum hardness	15 GPG
Maximum Iron	0.3 PPM
Maximum HS	0.0 PPM
Tubing (tank & faucet)	3/8"

Components

Components	Part number
Pre-filter, sediment	FPMB5-978
Pre-filter, carbon	WCBCS975
Membrane	W-1812-50
Post filter	AICRO
Faucet	FU-WDF-103NSF
Tank	ROPRO4-W
Fittings (inlet, outlet)	Quick Connect
Feed saddle valve	F560080

Models

Model Number	Stage	Membrane (GPD)	Tank	Faucet	Ship Wt.	No. Per Pallet
FMRO4G-ERP-USA	4	50	RO PRO	Non air gap	27	24

Systems are assembled in USA and stocked for immediate shipment.

Watts® Residential RO Systems

Unique manifold model eliminates many hose connections for greater security!



Features & Benefits

- Single-piece manifold design eliminates many hose connections for greater security.
- Comes with elements installed to reduce installation labor.
- Proven design using John Guest® quick connect fittings.
- Four stage treatment to reduce a wide range of drinking water contaminants.
- 50 GPD membrane (made in USA).
- Metal storage tank is standard
- Long reach chrome faucet.
- 3/8" tubing from tank to faucet for higher flow.
- Saddle valves, tubing and instructions included.
- One year limited warranty from date of purchase.



Specifications

Specification	Data
Membrane	50 GPD
Maximum pressure	100 psi
Minimum pressure	40 psi
Maximum TDS	2,000 PPM
Maximum hardness	15 GPG
Maximum Iron	0.3 PPM
Maximum HS	0.0 PPM
Tubing (tank & faucet)	3/8"

Components

Components	Part number
Pre-filter, sediment	FPMB5-978
Pre-filter, carbon	WCBCS975
Membrane	F110015
Post filter	WCBCS975
Faucet	F116023
Tank	FRO-132-WH
Fittings (inlet, outlet)	John Guest
Feed water valve	F560080

Models

Model Number	Stage	Membrane (GPD)	Tank	Faucet	Ship Wt.	No. Per Pallet
FMRO4-MAN	4	50	Metal	Non air gap	21	24

Systems are assembled in USA and stocked for immediate shipment.

Light Commercial RO Systems

All systems are frame mounted.



SC-200P-MINI



LC-380PP



LC-200P

Specifications

Model Number	GPD	Pump	Stage 1	Stage 2	Stage 3	Stage 4	Carton Dimensions	Shipping Wt. (lbs.)
LC-200P	200	1	IF-SP-2005	FI-CTO020/2	MM-TFF90/160 (2)	FI-GAC020HP	36x21x10	46
SC-200P-MINI	200	1	IF-SP1005	FI-CTO010BK	MM-TFF90/160 (2)	S7708	21X21X10	40
LC-300P	260	1	IF-SP-2005	FI-CTO020/2	MM-TFF90/160 (3)	FI-GAC020HP	36x21x10	48
LC-380PP	380	2	IF-SP-2005	FI-CTO020/2	FI-CTO020/2	MM-1812-100D (3)	36x21x10	53

Spare Parts

Part Number	Descriptions	LC-200P	LC-200P-MINI	LC-300P	LC-380PP
FC-DR550W	Flow restrictor 550 ML/Min				
FC-DR850W	Flow restrictor 850 ML/Min	X	X		
FC-DR1000W	Flow restrictor 1000 ML/Min			X	
FC-DR1200W	Flow restrictor 1200 ML/Min				X
PU-8800ESO-38	Electric shut off valve, 3/8"	X	X	X	X
PU-8010TSO	Tank shut off valve	X	X	X	X

NOTE: All systems come with pressure gauges, booster pump and long reach chrome faucet (F116023). Tank and feed water saddle valves are not included.

~ LIMITED WARRANTY ~

WHAT YOUR WARRANTY COVERS:

If any part of your WATTS WATER QUALITY Reverse Osmosis System is defective in workmanship (excluding replaceable filters and membranes), return unit after obtaining a return authorization (see below), less tank, within 1 year of original retail purchase, WATTS WATER QUALITY will repair or, at WATTS WATER QUALITY option, replace the system at no charge.

HOW TO OBTAIN WARRANTY SERVICE:

For warranty service, call 1-800-659-8400 for documentation and a return authorization number. Once the return authorization number has been created, ship your Reverse Osmosis unit (less tank) to our factory, freight and insurance prepaid, with proof of date of original purchase. Include a note stating the problem experienced and include your name, address and your return authorization number. No returns will be accepted without the proper return authorization number. WATTS WATER QUALITY will repair it, or replace it, and ship it back to you prepaid.

WHAT THIS WARRANTY DOES NOT COVER:

This warranty does not cover defects resulting from improper installation, from abuse, misuse, misapplication, improper maintenance, neglect, alteration, accidents, casualties, fire, flood, freezing, environmental factors, water pressure spikes or other such acts of God.

This warranty will be void if defects occur due to failure to observe the following conditions:

1. The Reverse Osmosis System must be hooked up to a potable municipal or well cold water supply.
2. The hardness of the water should not exceed 10 grains per gallon, or 170 ppm.
3. Maximum incoming iron must be less than 0.2 ppm.
4. The pH of the water must not be lower than 2 or higher than 11.
5. The incoming water pressure must be between 40 and 85 pounds per square inch.
6. Incoming water to the RO cannot exceed 105 degrees F (40 degrees C.)
7. Incoming TDS/Total Dissolved Solids not to exceed 1800 ppm.
8. Do not use with water that is micro biologically unsafe or of unknown quality without adequate disinfection before or after the system.

This warranty does not cover any equipment that is relocated from the site of its original installation. This warranty does not cover any charges incurred due to professional installation. This warranty does not cover any equipment that is installed or used outside the United States of America and Canada.

LIMITATIONS AND EXCLUSIONS:

WATTS WATER QUALITY WILL NOT BE RESPONSIBLE FOR ANY IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. WWQ WILL NOT BE RESPONSIBLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING TRAVEL EXPENSE, TELEPHONE CHARGES, LOSS OF REVENUE, LOSS OF TIME, INCONVENIENCE, LOSS OF USE OF THE EQUIPMENT, AND DAMAGE CAUSED BY THIS EQUIPMENT AND ITS FAILURE TO FUNCTION PROPERLY. THIS WARRANTY SETS FORTH ALL OF WWQ RESPONSIBILITIES REGARDING THIS EQUIPMENT.

OTHER CONDITIONS:

If WATTS chooses to replace the equipment, WATTS WATER QUALITY may replace it with reconditioned equipment. Parts used in repairing or replacing the equipment will be warranted for 90 days from the date the equipment is returned to you or for the remainder of the original warranty period, whichever is longer. This warranty is not assignable or transferable.

YOUR RIGHTS UNDER STATE LAW:

Some states do not allow limitations on how long an implied warranty lasts, and some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply. This warranty gives you specific legal rights, and you may have other legal rights which vary from state to state.