

RATIONAL Water Filter.



The RATIONAL Water Filtration Systems helps provide consistent high quality water to your RATIONAL SelfCooking Center® or CombiMaster® Plus. The patented carbon block technology reduces the effects of sediment, chloramines, and chlorine while providing the required flow rates.



Item	Necessary if	Article No.	
Single Cartridge* For all models and Combi-Duo model XS/XS, 61/61 and 61/101	Chlorine / Chloramine > 0.2 ppm Particle > 15 microns	1900.1154US	
Double Cartridge* For Combi-Duo model 62/62 and 62/102 or if used for more than 2 units. For each additional unit add 1 head and cartridge.	Chlorine / Chloramine > 0.2 ppm Particle > 15 microns	1900.1150US	
Water Filtration Modular Head For adding on additional Cartridge(s) to Double Cartridge System (Maximum 4 cartridges)	If more than 2 units will be connected in combination with Double Cartridge (1900.1150US)	1900.1152US	
Water Filtration Cartridge Replacement or add on	For replacement or if more than 2 units will be connected in combination with Double Cartridge (1900.1150US)	1900.1155US	
Certified Installation of RATIONAL Water Filter Systems is available when purchased with Certified Installation of RATIONAL unit.		9999.8448	

*Includes Filter System Installation Kit. This ensures that the installer has all of the essential connection materials on hand at the time of the installation. It is a hassle-free one-stop shop.

RATIONAL USA
 1701 Golf Road
 Suite C-120, Commerce
 Rolling Meadows, IL 60008
 Tel. 888-320-7274 (Toll Free)
 Fax 847-755-9583
 info@rational-online.us
 rationalusa.com

24/7
 Technical Support
 Tel. 866-891-3528

ChefLine
 Tel. 866-306-2433

Water Conditioning.

RATIONAL Specifications.



Water Conditioning Technologies.

Particle Filter.

We recommend a particle filter with fineness of 5–15 μm for filtering water containing sand, iron particles or suspended matter.

Active Carbon Filter.

We recommend an active carbon filter, if the water contains high levels of chlorine (Cl_2) / Chloramine (NH_2Cl) over 0.2 ppm (0.2 mg/l). This information can be provided by water supply company.*

Reverse Osmosis

Due to corrosion risks, a reverse osmosis system must be used if and only if chloride (Cl^-) concentrations are above 80 ppm (80 mg/l). This information can be provided by water supply company.

Note: Ensure that the minimum conductivity value of 50 $\mu\text{S}/\text{cm}$ (Micro Siemens) is being maintained.

Water Softener

Valid for the SelfCookingCenter®: these models will remove scale all by themselves providing that the units are used and cleaned as prescribed. This means a water softener typically is not needed for scale. New line: Valid for CombiMaster® Plus: Recommended for treating water if severe calcification occurs without high chloride contamination.

Recommend System: Weak acid decarbonization (H^+ ion exchange).

Systems not recommended: Sodium Ion Exchangers (salt based water softeners) and Phosphate feeder filters.

New Line: Treater Water Softening must maintain a minimum 5 gr/gal hardness.

Supply Requirements.

Water Filter Connection

1/2" ID cold water line with a water shut off with 3/4" connection. (GHT) new Line Water pressure to filtration system needs a to maintain a minimum 35 psi. (Max 80 psi) new Line RATIONAL units require flow rate of 3 gallons per minute and water pressure of 21–87 psi. (43 psi is recommended)

*All public water systems using surface water and most ground water systems treat water with either chlorine/ chloramine or chlorine dioxide.

Note: EPA will allow levels as high as 4 ppm safe for drinking water, exceeding our maximum level of 2 ppm.