

RATIONAL

Water Filter.



The RATIONAL Water Filtration Systems helps provide consistent high quality water to your RATIONAL iCombi, iVario, SelfCookingCenter® 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 any single iCombi or iVario or Combi-Duo Size XS or half-size.	Chlorine/ Chloramine > 0.2 ppm Particle > 15 microns	1900.1154US
Double Cartridge* For full size Combi-Duos or if used for more than 2 units. For each additional cooking systems 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 and at the time of the installation. It is a hassle-free one-stop shop.

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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 (Cl₂)/Chloramine (NH₂Cl) over 0.2 ppm (0.012 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 µS/cm (Micro Siemens) is being maintained.

Water Softener

Valid for the iCombi Pro, iCombi Classic, and 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.

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. Treated Water must maintain a minimum 5 gr/gal hardness.

Supply Requirements.

Water Filter Connection

½" ID cold water line with a water shut off with ¾" connection. (GHT)

Water pressure to filtration system needs to maintain a minimum 25 psi. (Max 80 psi)

RATIONAL cooking systems require flow rate of 3 gallons per minute and water pressure of 21–87 psi. (Max 80 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.