Rinnai.

C42e (1616WC)

Type of Appliance

Rinnai model number

Operation

Exhaust system

Minimum/Maximum Gas Rate (Input)

Electrical

Electrical Consumption

Ignition System

Hot Water Capacity

Temperature

Temperature (without remote)

Approved Gas Types

Installation

Energy Factor

Thermal Efficiency

Service Connections

Water Flow Control

Minimum/Maximum Water Supply Pressure

Temperature controlled, continuous flow, gas hot water system

REU-V1616WC-US

With or without remote controls, mounted in kitchen, bathroom, etc.

Outdoor forced combustion

17,000 - 120,000 BTU/h (Natural Gas or Propane)

Appliance: AC 120 Volts - 60 Hz

Remote Control: DC 12 Volts

Normal 47 watts Standby 5.5 watts Anti-frost protection 74 watts

Direct electronic ignition

0.6 to 3.8 GPM (50° F rise) 0.6 to 4.2 GPM (35° F rise)

120° - 185° F

140° F (factory default)

Natural or Propane (ensure unit matches gas type)

Outdoors only

Natural Gas: 0.78 Propane: 0.83

Natural Gas: 79% Propane: 85%

Gas supply: 3/4 inch MNPT Cold water inlet: 3/4 inch MNPT Hot water outlet: 3/4 inch MNPT

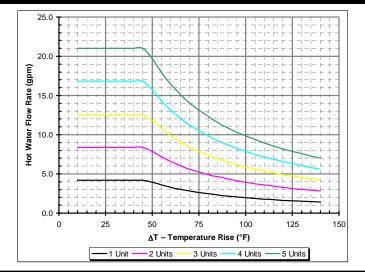
Water flow sensor, electronic water control, no bypass

20 - 150 PSI (30 PSI or above is recommended for maximum flow)

FLOW TABLE

Water Flow Capacity Curves

(For 1 to 5 units manifolded in parallel)



1616WC SP-1







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Remaining flame (OHS)

Automatic frost protection

· Back of heater - 0 inches

· Back of heater - 0 inches

· Bottom of heater - 2 inches

• Bottom of heater - 12 inches

Thermal fuse

max 10.5" W.C.

max 13.5" W.C.

Water Temperature Control Remote Controls

Remote Control Cable Safety Devices

Clearances from combustibles

Clearances from non-combustibles

Min. / Max. Gas Supply Pressure

Manifold Gas Pressure (inches W.C.)

Warranty

Simulation feed forward and feedback

MC-91-1US (included)

Deluxe controller: MC-100V-1US (optional) Bathroom controller: BC-100V-1US (optional)

Wireless controller (with transceiver): MC-502RC-1US-MS (optional)

Non-polarized two-core cable

• Flame failure - Flame Rod

Boiling protection

Combustion fan rpm check

Over current - glass fuse (3 amp)

• Top of heater - 12 inches

• Front of heater - 24 inches

Sides of heater - 6 inches

• Top of heater - 2 inches

• Front of heater - 24 inches

• Sides of heater - 1/2 inches

Natural Gas: min 6" W.C.

Propane Gas: min 10" W.C.

Natural Gas: high fire 3.3" W.C. low fire 0.72" W.C. Propane Gas: high fire 3.5" W.C. low fire 0.93" W.C.

Commercial only; heat exchanger 5 years*; all other parts 5 years*; labor 1 year; (* 3 years if used as a circulating water heater within a circulation loop, where the water heater is in series with a circulation system and all circulating water flows through the water heater, and where on-demand recirculation is not incorporated)

Rinnai is continually updating and improving products; therefore, specifications are subject to change without prior notice. Local, state, provincial and federal codes must be adhered to prior to installation.

