



# Intellihot

Endless water. Zero waste.™

COMMERCIAL

## iQ2001, Gen II

## HIGH-OUTPUT, INDOOR/OUTDOOR, ON-DEMAND WATER HEATER



### TECHNOLOGY OVERVIEW

Our iQ2001 floor-standing units deliver the highest capacity in the industry – up to 2 million BTUs – with no storage tanks required. Designed for very large volume, commercial applications, these high-input units slash capital costs by up to 50%, and decrease operational costs by up to 40%, when compared to traditional tank-type systems.

*iQ2001 delivers approximately 2.0 million BTU/hr*

### iQ2001 | KEY FEATURES

- **Wi-Fi Connectivity** – Using our mobile app remote access and real-time monitoring of your Gen II unit are made possible with the new Wi-Fi and 3G/4G connectivity feature. Each unit can be easily connected to your building's router or to Intellihot's internet hub.
- **Touch-Screen** – Easily access daily, weekly, and monthly usage data, troubleshooting info, and longevity of parts via a large, intuitive touch-screen. Floor model units feature a 7" color touch-screen.
- **telliCare®** – telliCare is a Wi-Fi enabled, prognostics and predictive maintenance service for all Gen II iQ tankless water heaters. This monitoring service covers 100% parts and **is free for the first two years after the install date.**
- **Masterless Cascading** – Up to three iQ2001 floor-standing units can be cascaded for unprecedented capacity up to 160 GPM at a 70°F rise. Eliminate single-point failure with our patented Masterless Cascading technology. If one unit is offline for servicing, all other units regroup and continue to operate.
- **Eliminate Mixing Valves & Lower Legionella Risks** – With no storage tanks, there's a lower risk for Legionella growth. By eliminating the need for mixing valves, this feature also reduces their associated unreliability and costs.
- **High Turndown Ratio** – With an industry leading turndown ratio, 66:1, our units provide unparalleled gas savings.
- **Compact Unit** – Featuring a 30" width and a 1225 lb. weight, iQ floor units fit through elevator doors and are ideal where space is at a premium.
- **Common Venting Capabilities** – Easily vent multiple iQ floor units with a common venting.
- **ASME-HLW Compliant** – Suitable for applications managed by engineers, specifiers and contractors.
- **Factory Supplied Strainer** – Units deliver debris-free inlet water to the system.

### APPLICATIONS

Hotels, Multi-Family Complexes, Sky-Rise and High-Rise Buildings, Stadiums

### INDUSTRY BEST WARRANTY

10-Year Commercial HX Warranty

Designed in the heartland. Built for the world.™

## iQ2001 Specifications

| PARAMETERS   | MODELS  |
|--|---|
|  | iQ2001  |
| Type   | Indoor/Outdoor, Floor Mounted, Condensing, Fully Modulating, On-Demand Water Heater   |
| Fuel   | Preset for NG / LP convertible  |
| Minimum Input (BTU/hr)   | 30,000  |
| Maximum Input (BTU/hr)   | 1,999,999   |
| Maximum Output (BTU/hr)  | 1,879,999   |
| Thermal Efficiency   | 94%   |
| Turn Down Ratio (TDR)  | 66:1  |
| Water Inlet / Outlet Connections   | 3" Headers with 7.5" OD Flange  |
| Gas Inlet Connection   | 2" Gas Inlet With 6" OD Flange  |
| Condensate Drain Connection  | 3/4" Flex PVC   |
| Maximum Condensate Flow Rate (GPH)   | 14.4  |
| Dimensions H X W X D (Inches)  | 67.7 X 30 X 60.4 (66 CU. FT)  |
| Service Clearances   | Required 24" on all sides, 32" in the front   |
| Weight (LBS)   | 1225 LBS  |
| Venting Type   | Direct Vent (2 pipe - intake & exhaust), Power Vent (1 pipe - exhaust only)   |
| Venting Materials (USA)  | Sch. 40 PVC, Sch. 80 CPVC, Polypropylene, Stainless Steel (AL29-4C)   |
| Venting Materials (Canada)   | Type BH Gas Vent Classes: II A (PVC), II B (CPVC), II C (Polypropylene), I (AL 29-4C SS)  |
| Vent Size (Diameter)   | 8" Ø  |
| Max Vent Length - Single Pipe / Power Vent*  | 155 ft (8")   |
| Max Vent Length - Two Pipe / Direct Vent*  | 75 ft (8")  |
| * Venting Note: From the maximum lengths above, deduct 5 ft. per 90° elbow and 2 ft. per 45° elbow |   |
| Ignition   | Electronic Spark Ignition   |
| Temperature Range  | 100°F – 190°F   |
| Temperature Stability  | +/- 4°F   |
| Installation Location Ambient Temperature  | 40°F – 130°F  |
| Safety   | Flame Rod, Thermal Fuse, Overheat Prevention Device, Fan Speed Monitor, Flue Temperature Monitor, Blocked Vent Detector, Dual Flame Sensing |
| Water Pressure Min / Max (PSIG)  | 30 / 160  |
| NG/LP - Min. Dynamic Gas Pressure (Full Fire)  | 2.5" WC (¾" non-corrugated, black iron)   |
| NG/LP - Maximum Static Gas Pressure  | 14" WC  |
| Gas Pressure for Adjustments   | 8" WC for NG, 11" WC for LP   |
| Electrical   | 120V AC, 60 Hz  |
| Power Consumption  | 2 Circuits - Max 20 Amps (Per Circuit)  |
| Internal Water Volume (gallons)  | 8   |
| Features   | iQ2001  |
| High Turn Down   | 66:1  |
| Built-In Redundancy  | Multiple Heat Engines with Individual Control   |
| Cascading  | Masterless, 3 units, Automatic Rotation   |
| Common Venting   | Yes - up to 3 units   |
| Heat Exchanger   | Expandable, Stainless 316L  |
| Listing  | ETL (Z21.10.3 / CSA 4.3), ASME HLW  |
| Performance GPM  | iQ2001  |
| Hot Water Capacity (45F Rise)  | 83.9  |
| Hot Water Capacity (70F Rise)  | 54.0  |
| Hot Water Capacity (90F Rise)  | 42.0  |
| Hot Water Capacity (100F Rise)   | 37.8  |
| Hot Water Capacity (140F Rise)   | 27.0  |
| Warranty (with recirculation, and unlimited thermal cycles)  | Heat Exchanger Coil – 10 years, All Other Parts – 2 years   |

Note: Due to Intellihot's policy of continuous product improvements, design and technical specifications are subject to change without notice. Version 7.20



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