Intellihot
Endless water. Zero waste.™

iQ Series, Gen II

HIGH-OUTPUT, TANKLESS, ON-DEMAND WATER HEATERS

TECHNOLOGY OVERVIEW

Our iQ Series floor-standing units deliver the highest capacity in the industry – up to 1.5 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.

iQ1501 delivers approximately 1.5 million BTU/hr
iQ1001 delivers approximately 1 million BTU/hr
iQ751 delivers approximately 750,000 BTU/hr

iQ1501 | iQ1001 | iQ751 | KEY FEATURES

- **Masterless Cascading** – Up to four iQ floor 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.

- **Competitive Turndown Ratio** – With an industry leading turndown ratio, 50:1 for iQ1501, 33:1 for iQ1001, and 25:1 for iQ751, our units provide unparalleled gas savings.

- **Compact Unit** – Featuring a 30" width and a 1025 lb. weight, iQ floor units fit through elevator doors and are ideal where space is at a premium.

- **Common Venting Capabilities** – The iQ floor units transform common venting into smart–common venting..

- **ASME-HLW Compliant** – Suitable for applications managed by engineers, specifiers and contractors.

- **Factory Installed Strainer** – Units deliver debris-free inlet water to the system.

GEN II - WHAT'S NEW

- **Wi-Fi Connectivity** – 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.

- **Mobile App, telliCare®** – Effortlessly monitor water inlet/outlet temperatures, flow rates, flue gas temperatures, combustion rates, and more, with Intellihot's mobile app, telliCare – conveniently available on your iOS mobile device.

APPLICATIONS

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

COMPLETELY GREEN

Fully Condensing, High-Efficiency

FULLY WARRANTED

10-Year Commercial HX Warranty

iQ751 | iQ1001 | iQ1501 Specifications

PARAMETERS	MODELS		
	iQ751	iQ1001	iQ1501
Type	Indoor/Outdoor, Wall Hung & 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)	751,000	1,001,000	1,501,000
Maximum Output (BTU/hr)	705,940	940,940	1,440,960
Thermal Efficiency	94%	94%	96%
Turn Down Ratio (TDR)	25:1	33:1	50:1
Water Inlet / Outlet Connections	2" Headers with 6" OD Flange		
Gas Inlet Connection	1-1/4" Gas Inlet With 4-5/8" OD Flange		
Condensate Drain Connection	3/4" Flex PVC		
Maximum Condensate Flow Rate (GPH)	5.4	7.2	10.8
Unit Dimensions H X W X D (Inches)	67.7 X 30 X 44.3 (48 CU. FT)		67.7 X 30 X 60.4 (66 CU. FT)
Service Clearances	Required 24" on all sides, 32" in the front		
Unit Weight (LBS)	730 LBS	800 LBS	1025 LBS
Shipping Crate Dimensions H X W X D / Weight	87 X 47 X 67 (Inches) / 972 (LBS)	87 X 47 X 67 (Inches) / 1059 (LBS)	81 X 47 X 83 (Inches) / 1567 (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)	6" Ø		
Max Vent Length - Single Pipe / Power Vent*	220 ft (6")	130 ft (6")	65 ft (6")
Max Vent Length - Two Pipe / Direct Vent*	110 ft (6")	65 ft (6")	35 ft (6")
* 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		
Pressure Relief Valve (Select BTU/hr Input Rating to Match Model Max Input)	3/4"		1"
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	Max 16 Amps, 24W (Standby)	Max 20 Amps, 32W (Standby)	Max 29 Amps, 48W (Standby)
Internal Water Volume (gallons)	4	4	6
Features	iQ751	iQ1001	iQ1501
High Turn Down	25:1	33:1	50:1
Built-In Redundancy	Multiple Heat Engines with Individual Control		
Cascading	Masterless, 4 units, Automatic Rotation		
Common Venting	Yes - up to 4 units		
Heat Exchanger	Expandable, Stainless 316L		
Listing	ETL (Z21.10.3 / CSA 4.3), ASME HLW, AHRI		
Performance GPM	iQ751	iQ1001	iQ1501
Hot Water Capacity (45F Rise)	31.4	41.6	64.3
Hot Water Capacity (70F Rise)	20.2	26.7	41.3
Hot Water Capacity (90F Rise)	15.7	20.8	32.1
Hot Water Capacity (100F Rise)	14.1	18.7	28.9
Hot Water Capacity (140F Rise)	10.1	13.4	20.7
Warranty (with recirculation, and unlimited thermal cycles)	Heat Exchanger Coil – 10 years, All Other Parts – 2 years, Labor - none		

NSF Certified to NSF/ANSI 372

ETL LISTED c us Intertek

Ultra Low NOx certified 2012 SCAQMD

AHRI CERTIFIED www.ahridirectory.org Commercial Water Heaters DOE 10 CFR Part 431

ENERGY STAR

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