



HEATING TECHNOLOGY SINCE 1959

CONDENSING

TANKLESS WATER HEATER

FLOW-TECH

AQUA²

190000 BTU/H



FLOW-TECH

QUALITY WITHOUT COMPROMISES



• **Yesterday** – since 1959, Radiant has designed and developed many of its own key components still found in our boilers today with a constant investment in R & D aimed at improving efficiency and reliability.



• **Today** – Our new **Flow-tech**® stainless steel heat exchanger is our latest accomplishment. Designed from the ground up within Radiant's Lab, we have created a heat exchanger which surpasses the competition.



• Manufactured with **the Highest quality possible**, 55 years of unparalleled experience and know how, have produced **Higher efficiencies, less head loss, and easier cleaning and maintenance** all at a lower price point than the industry standard. **Flow-tech**® the heart of the Aqua²



THE 100% MADE IN ITALY

FLOW-TECH



★★★★ 92/42/CEE

IP X4D

CONDENSING TANKLESS WATER HEATER

FLOW-TECH

AQUA²

POWER 190000 BTU/H



TECHNOLOGY

Maximum Efficiency:

- **FlowTech® technology** is being used for the first time ever in a tankless water heater. The use of our very own stainless steel heat exchanger which is found throughout our wall hung boiler range is the heart of the **AQUA²** water heater. It achieved a **Utilization Energy Factor of .954**, the new standard in tankless water heater efficiency testing with the aid of our very own stainless steel heat exchanger designed from the gourd up by Radiant.
- **10:1 modulation**, FlowTech® condensing technology, and authentic European components put the **AQUA²** at the very top of the tankless water heater market in terms of design, function, reliability, and performance.

Simplicity

- **Easy to install**, and even easier to maintain. The AQUA² has ample room within the cabinet for technicians to service every component easily and efficiently. Gone are the days of tiny spaces, messy wiring, and confusing configurations. The **AQUA²** is as pleasing to the eye on the inside as it is on the outside, while still maintaining its space saving design.

DIGITEC®,

- **Intelligence meets simplicity** with a brand new sleek design and easy to use controls, the new **DIGITECH®** control on the **AQUA²** makes for a quick and easy user experience. Whether you are a home owner that wants to raise your water temperature a couple of degrees, or a service technician using the memory function to read the previous 5 error codes that are stored on the **AQUA²** main P.C.B, the **DIGITECH®** puts all the features and functions of the unit at your finger tips.





TECHNICAL DATA		AQUA ²
CE CERTIFICATION		0694CO7385
MAXIMUM NOMINAL HEAT CAPACITY	BTU/hr	190000
MINIMUM NOMINAL HEAT CAPACITY	BTU/hr	20000
NOISE FACTOR	dB	52.4
EFFICIENCIES		
PERFORMANCE AT 100% PN – 60/80° C	%	98.37
PERFORMANCE AT 30% PN - RETURN 47 °C	%	102.8
U.E.F.		0.954
COMBUSTION DATA		
NOX CLASS	class	6
ENERGY EFFICIENCY LABELING (92/42/ECC DIRECTIVE)	no. of star	4
SANITARY LOOP		
ADJUSTABLE DOMESTIC TEMPERATURE	°F	104 - 140
MAXIMUM PRESSURE FOR DOMESTIC CIRCUIT	PSI	150
MINIMUM PRESSURE FOR DOMESTIC CIRCUIT	PSI	10
SPECIFIC CAPACITY IN CONTINUOUS SERVICE - ΔT 54°F	GPM	7.02
MINIMUM FLOW RATE	GPM	0.66
DIMENSIONS		
WIDTH X DEPTH X HEIGHT	in	16.14 x 19.02 x 25.28
GROSS WEIGHT	lb	110.23
FLUE SYSTEM		
FLUE OUTLET FITTING	in	3
AIR INTAKE FITTING	in	3
MAX DISCHARGE LENGTH - HORIZONTAL Ø 3"	ft	98.43
MAX DISCHARGE LENGTH - VERTICAL Ø 3"	ft	49.21
MAX DISCHARGE LENGTH - HORIZONTAL COAXIAL Ø 3"/5"	ft	16.40
MAX DISCHARGE LENGTH - VERTICAL COAXIAL Ø 3"/5"	ft	16.40
ELECTRICAL FEEDING		
VOLTAGE-FREQUENCY	V/Hz	120 - 60
MAXIMUM ABSORBER POWER	W	75
RECIRCULATION PUMP ELECTRICAL POWER CONSUPTION	W	15.7
ABSORBED POWER (BOILER OFF)	W	2.8

North American Distribution by:



THERMALhydronic
SUPPLY LTD.
101 SHARER ROAD,
WOODBIDGE, ONTARIO,
L4L 8Z3 CANADA
TEL: 905+265-1527
FAX: 905+265-9739
www.thermalhydronics.com

RADIANT MEANS QUALITY
ALL THE COMPONENTS ARE
100% MADE IN ITALY

