



COMBI-TECH®

FLOW-TECH®

DUAL-TECH®

SOLO-TECH®

ISTANTANEOUS

STORAGE

WATER HEATER

COMMERCIAL



COMBI-TECH® THE EVOLUTION OF THE HEAT EXCHANGER



YESTERDAY



TODAY

Since 1959, Radiant has been on the cutting edge of heat exchanger design. Designing and manufacturing from the ground up, Radiant has built their own heat exchangers in house from day 1. With a constant focus on efficiency and reliability, the heat exchanger has evolved into the heart found in each Radiant product. The newly introduced **COMBI-TECH®** heat exchanger is made from T316 stainless steel, with a tube diameter of 28mm, which makes for higher efficiency numbers, less head loss, and easier maintenance. With 57 years of unparalleled experience and know how... the combitech heat changer comes with a 10 year, no questions asked warranty.



COMBI-TECH®



Ø 28 mm
Ø 1.10 inch

MADE IN ITALY BY RADIANT

97% EF



DIGITECH® CS
INTELLIGENCE...SIMPLIFIED

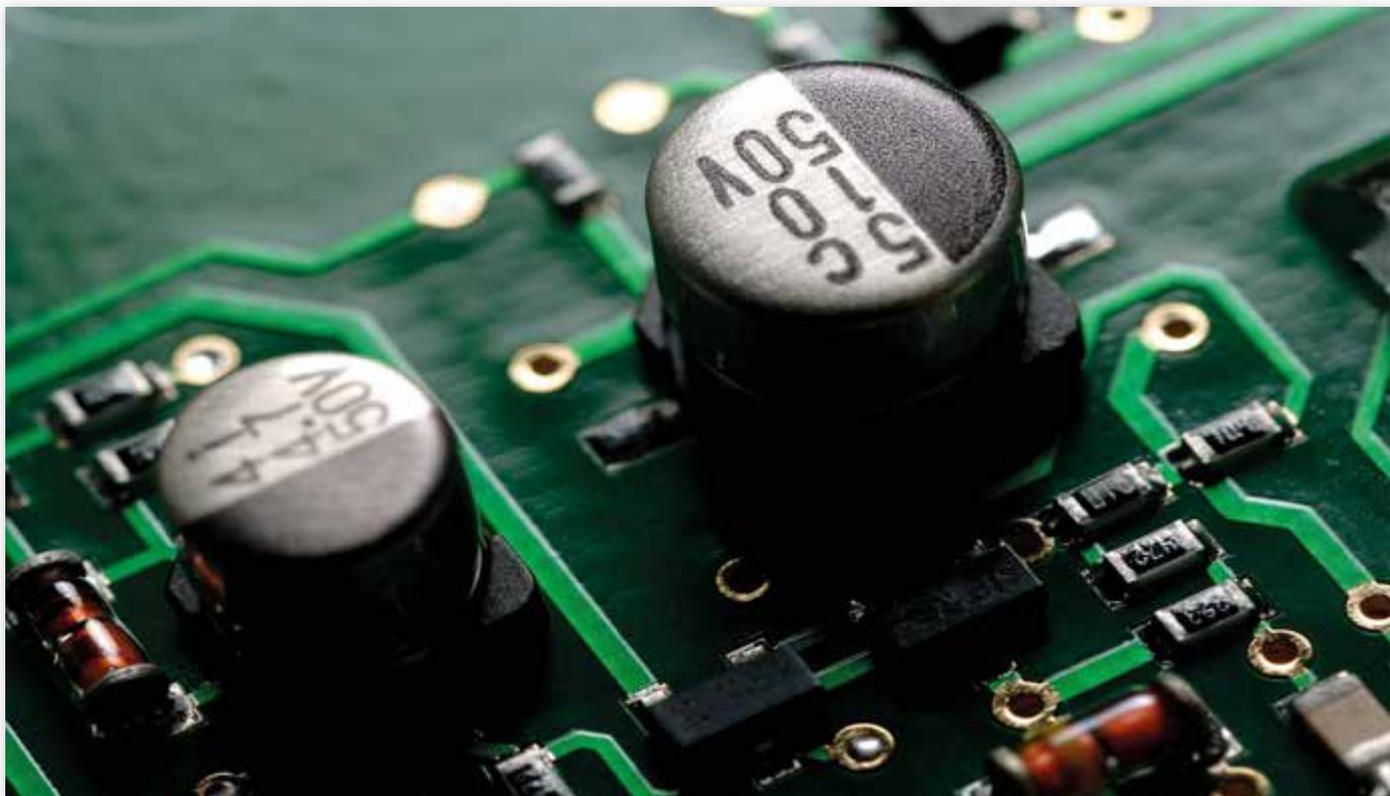


DIGITECH

DIGITECH[®] CS ELECTRONIC CARD

- MEMORY FUNCTION SAVES AND STORES UP TO 5 ERROR CODES
- HIGH LEVEL OF ELECTRICAL PROTECTION, SOPHISTICATION AND SIMPLICITY

DIGITECH CS – designed to be intuitive, simple, and of course functional... the DIGITECH control by RADIANT puts every aspect and function of the unit at your fingertips. The controller saves up to 5 error codes, making for an easy trouble shooting experience for the service technician should a problem arise with your Radiant unit. Setting and saving temperature parameters is also a quick and easy procedure with the DIGITECH. The control board is also capable of controlling external sensors, solar panels, and is WIFI capable to be controlled by your smart phone. (separate module required)





TANKLESS WATER HEATER AQUA² BY RADIANT 190,000 BTU'S OF POWER



FLOW-TECH: THE TANKLESS WATER HEATER ... REINVENTED.

190,000 BTU_h – 10 : 1 modulation

Maximum Efficiency with the use of FlowTech® technology - 97 % EF

2" PVC, CPVC, & Polypropylene vent capable

7.02 GPM @ 54° F (5.1 GPM @ 77°F)

Intelligence meets simplicity – service friendly design

Boiler Technology in a Tankless Water Heater



10 : 1 Modulation



Ø 28 mm monotube



Integrated
recirculation



60' 2" Venting



**NATURAL GAS
& PROPANE**



COMMERCIAL BOILER MODELS: 190,000, 270,000 AND 375,000 BTU' S FOR INDIVIDUAL AND CASCADE INSTALLATIONS



Radiant's Commercial Series consists of R1K 55, R1K 75, and R1K 110 boiler models. All models are powered by Radiant's patented **COMBI-TECH® 28 mm** stainless steel monotube heat exchanger

SOLO-TECH®

Radiant's R1K 75 and R1K 110 models are equipped with 2 integrated heat exchangers within the single boiler body ensuring a neat and functional installation. Right-sizing comes easy with either the **R1K75 (55kW + 24kW)** or the **R1K 110 (55kW + 55kW)**



R1K 75 - R1K 110

Radiant's unique parallel design (R1K 75 and R1K 110) offers unmatched performance and reliability features that **include 20:1 modulation** and integrated redundancy. Dual circuit boards in a "master/ slave" format ensures boiler operation can be maintained during service, eliminating most "shut-down" needs.



10 : 1 Modulation



Ø 28 mm monotube



Integrated Redundancy



2" , 3" , or 4" Venting



CONDENSING COMBI BOILERS MODELS:
**120,000 AND 190,000 BTU'S FOR
 DOMESTIC HOT WATER AND CENTRAL
 HEATING APPLICATIONS**



COMBI-TECH: COMFORT AND
 TECHNOLOGY ALL IN ONE PRODUCT



Our patented Combi-Tech heat exchanger is the proprietary game-changer that is the heart of every Radiant boiler. Utilizing a coaxial strategy consisting of a 28mm outer coil for Central heating, combined with a 18mm inner coil for DHW production design reduces head pressure and prevents deposit buildup.

Each unit is equipped with a "Silencer" to ensure quiet operation. Generous DHW output, 10:1 modulation, interactive WIFI smartphone capable controls, 2" venting, striking good looks, and quiet as a mouse means Radiant delivers "Combi" like never before!

It's a great trick if you can do it.....and we did!



Tankless DHW



60' 2" Venting



10 : 1 Modulation



Low NOx
 Low Noise



2" VENT PVC, CPVC, POLYPROPYLENE

**NATURAL GAS
 & PROPANE**



CONDENSING COMBI BOILERS WITH DUAL-TECH TECHNOLOGY 90,000 AND 120,000 BTU'S WHEN MORE DHW IS NEEDED



DUAL-TECH: THE LUXURY OF A TANKLESS WATER HEATER, WITH THE PEACE OF MIND OF A STORAGE TANK – IN ONE

DUAL-TECH®

Dual-Tech® condensing combination boilers are your answer when high efficiency central heating and a larger demand for domestic hot water is required. With the revolutionary Combi-Tech heat exchanger at its core, combined with the Dual-Tech on-board indirect fired storage tank, Radiant delivers unprecedented comfort. Dual-Tech offers a unique combination of stored preheated water, along with tankless hot water integrated in one unit to ensure customer satisfaction. The advanced DUOPASS® patented system maximizes every btu by combining our Combi-Tech coaxial heat exchanger design with an integrated indirect fired storage format. The result is very efficient heating and hot water production without the losses.



Indirect DHW
Storage & Tankless



Ø 28 mm / 18 mm



10 : 1 Modulation



Low NOx
Low Noise

2" VENT PVC, CPVC, POLYPROPYLENE

**NATURAL GAS
& PROPANE**



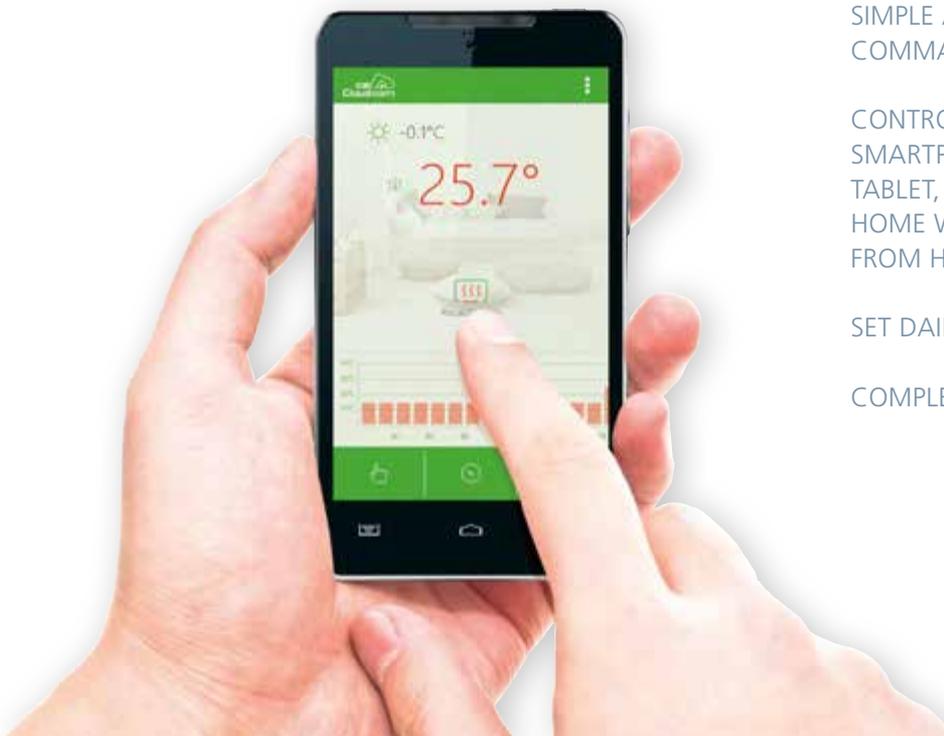
RADIANT CLOUD WARM BOILER REMOTE CONTROL

MANAGE YOUR COMFORT AND SAVE

Download the free **CLOUD WARM APP** onto your Smartphone or tablet. Compatible with both ANDROID and IOS, you now have complete and total control over your Radiant product. Temperature settings, parameters, and trouble shooting are all a snap, and controlled with the touch of a button on your hand held device. (separate module required)



DOWNLOAD THE FREE APP FOR IOS AND ANDROID



SIMPLE AND INTUITIVE
COMMANDS

CONTROL FROM YOUR
SMARTPHONE OR
TABLET, THE COMFORT AT
HOME WHEN YOU ARE AWAY
FROM HOME

SET DAILY / WEEKLY SCHEDULE

COMPLETE BOILER CONTROL

SAVING TOMORROW..... TODAY

At Radiant, we commit to continuous research and development to ensure we consistently create products that are environmental friendly targeting the reduction of our carbon footprint. High performance combined with reduced emissions and low NOx are attributes paramount to each Radiant product. Exceeding some of the most demanding environmental laws in the world, Radiant continues to be a global leader in condensing technology, energy conservation, and environmentally friendly products





TECHNICAL DATA

Solo Tech	Capacity		Dimensions						Venting				
	CH Max Cap. (BTU)	CH Min Cap. (BTU)	W"	D"	H"	Net Wgt lbs	Eff %	Mod	2" (ft)	3" (ft)	Co/ax	Wifi	Max CH
R1K 34/B	116,013	15,013	16 $\frac{1}{8}$	12 $\frac{3}{4}$	25 $\frac{3}{8}$	97	97.6	10:1	65	150	Y	Y	180°
R1K 55	187,667	18766	16 $\frac{1}{8}$	19 $\frac{1}{8}$	25 $\frac{3}{8}$	110	97.9	10:1	65	150	Y	Y	180°
R1K 75	255,910	12,625	26 $\frac{3}{8}$	19 $\frac{1}{8}$	25 $\frac{1}{8}$	187	97	20:1	65	150	Y	Y	180°
R1K 100	341,214	17,061	26 $\frac{3}{8}$	19 $\frac{1}{8}$	25 $\frac{1}{8}$	216	97.9	20:1	65	150	Y	Y	180°

Combi Tech	Capacity			Dimensions						Venting				
	CH Max Cap. (BTU)	DHW Max Cap (BTU)	CH Min Cap. (BTU)	W"	D"	H"	Net Wgt lbs	Eff %	Mod	2" (ft)	3" (ft)	DHW @54° Δt	DHW @77° Δt	Max CH
R2K 24	88,716	98,952	13,650	16 $\frac{1}{8}$	12	25 $\frac{3}{8}$	81	97.7	7:1	100	150	3.5	2.4	180°
R2K 34	116,013	116,013	15,013	16 $\frac{1}{8}$	12 $\frac{7}{8}$	25 $\frac{3}{8}$	97	97.6	10:1	65	150	4.3	3	180°
R2K 55	187,667	187,667	18,766	16 $\frac{1}{8}$	19 $\frac{1}{8}$	25 $\frac{3}{8}$	110	97.9	10:1	65	150	7.1	5	180°

Dual Tech	Capacity			Dimensions						Venting				
	CH Max Cap. (BTU)	DHW Max Cap (BTU)	CH Min Cap. (BTU)	W"	D"	H"	Net Wgt lbs	Eff %	Mod	2" (ft)	3" (ft)	DHW @54° Δt 10 m	DHW @77° Δt 1 hr	Max CH
R2KA 24/8	88,716	98,952	13,650	17 $\frac{3}{4}$	14 $\frac{3}{8}$	30 $\frac{7}{8}$	103	97.7		100	150	39	221	180°
R2KA 24/20	88,716	98,952	13,650	19 $\frac{3}{8}$	19 $\frac{3}{4}$	35 $\frac{3}{8}$	139	97.7		100	150	42	224	180°
R2KA 34/20	116,013	116,013	15,013	19 $\frac{3}{8}$	19 $\frac{3}{4}$	35 $\frac{3}{8}$	148	97.6		65	150	48	268	180°

Flow Tech Aqua ²	Capacity		Dimensions						Venting						
	Max Cap. (BTU)	Min Cap (BTU)	W"	D"	H"	Net Wgt lbs	EF	Mod	2" (ft)	3" (ft)	DHW @54° Δt gpm	DHW @77° Δt gpm	Max t	Pr Drp psi	Re Circ pmp
SFK 55	187,667	18,766	16 $\frac{1}{8}$	19 $\frac{1}{8}$	25 $\frac{1}{8}$ "	89	97	10:1	60	85	7	5	140°	6	Y

North American Distribution by:

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