

WaiWELA

**5.3
SERIES**

LIGHT DUTY
RESIDENTIAL
GAS TANKLESS
WATER HEATER

FREE

LIFETIME TECHNICAL SUPPORT
1.800.605.6542

RELIABILITY

WITH AN AVERAGE LIFETIME OF 20 YEARS OR MORE, YOU CAN BE SURE YOUR TANKLESS WATER HEATER WILL PAY FOR ITSELF IN ENERGY SAVINGS ALONE.

EASY INSTALLATION

- WITH TANKLESS INSTALLATION VALVES (TIV)
- AT 35LBS, THIS COMPACT WALL MOUNTED WATER HEATER SAVES VALUABLE FLOOR SPACE

HIGHER STANDARDS

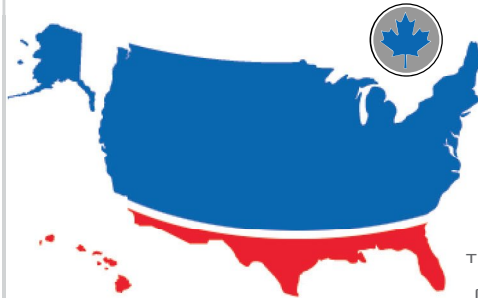
- LOW NOx EMISSIONS
- SAFETY ENGINEERED
- ENERGY EFFICIENT
- BUILT-IN DIAGNOSTICS & USAGE RECORD



ENERGY EFFICIENCY

- GOVERNMENT TESTS SHOW THAT WaiWELA 5.3 SERIES TANKLESS WATER HEATERS USE:
 - 29% LESS ENERGY THAN MOST 50 GALLON TANK-TYPE HEATERS
 - 40% LESS ENERGY THAN MOST 100 GALLON TANK-TYPE HEATERS
- 82%(NAT.)/84%(LP) EFFICIENCY RATING; DOE ENERGY FACTOR OF 0.82.
- USES ENERGY ONLY WHEN HOT WATER IS DEMANDED.

HOT WATER PERFORMANCE



COLD CLIMATE PERFORMANCE*



*SINGLE USE IN A COLD CLIMATE

WARM CLIMATE PERFORMANCE**



**UP TO 2 SIMULTANEOUS USES IN A WARM CLIMATE

TEMPERATURE RISE (°F)	40	70	100
GALLONS PER MINUTE	5.3	3.3	2.3
GALLONS PER HOUR	318	198	138

SAFETY ENGINEERING

WaiWELA's 5.3 Series includes safety engineering not found on other brands, such as:

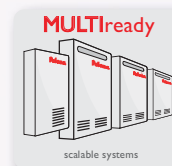
- **ICAD™:** OUR PROPRIETARY SAFETY SYSTEM THAT CONSTANTLY MONITORS COMBUSTION FOR EVIDENCE OF UNSAFE CARBON MONOXIDE (ON ALL INDOOR AND DIRECT VENT MODELS).
- **OVERHEAT LIMITER WRAP:** RESIN FILM SURROUNDS THE COMBUSTION CHAMBER, DETECTING OVERHEATING(ON ALL MODELS).
- **FLAME FAILURE SAFETY MONITOR:** FLAME RODS ENSURE PROPER FIRING AND DETECT FLAME FAILURE.
- **ANTI-SCALD PROTECTION:** BATH CONTROLLER MAXIMUM TEMPERATURE 120°F. WHEN ON, BATH CONTROLLER TAKES PRIORITY. WHILE HOT WATER IS RUNNING, BATH CONTROLLER MAXIMUM TEMPERATURE CANNOT BE RAISED ABOVE 112°F.
- **ANTI-BOIL PROTECTION:** TEMPERATURE SENSOR.
- **FREEZE PROTECTION TO -20°F**

CONVENIENCE

- **DIGITAL CONTROLLER CHANGES TEMPERATURE SETTINGS IMMEDIATELY AND PRECISELY WITH THE TOUCH OF A BUTTON AND FUNCTIONS AS A DIAGNOSTIC DISPLAY.**

RESIDENTIAL WARRANTY

- 10 YEAR LIMITED WARRANTY ON HEAT EXCHANGER
- 3 YEAR LIMITED WARRANTY ON PARTS



5.3
SERIES

WAIWELA

SPECIFICATIONS

MODELS AND VENTING



INDOOR

NATURAL GAS
PH-20R IFSN
PROPANE
PH-20R IFSP



OUTDOOR

NATURAL GAS
PH-20R OFN
PROPANE
PH-20R OFP



**DIRECT VENT
SEALED COMBUSTION**

NATURAL GAS
PH-20R DVSN
PROPANE
PH-20R DVSP

BTU INPUT RANGE INDOOR	21,600~145,000NAT./141,000LP (FULLY MODULATING)
BTU INPUT RANGE OUTDOOR	21,600 ~ 141,000 (FULLY MODULATING)
BTU INPUT RANGE DIRECT VENT	21,600 ~ 141,000 / 135,000 LP (FULLY MODULATING)
MAXIMUM HOT WATER OUTPUT	5.3 GPM (40° RISE AT 30 PSI)
MINIMUM FLOW FOR IGNITION	0.66 GPM
DIMENSIONS (INCHES)	13 3/4 (W) x 20 1/2 (H) x 5 5/6 (D)
WORKING WATER PRESSURE	14 ~ 150 PSI
TEMPERATURE RANGE	100 ~ 140°F
GAS CONNECTION	3/4" NPT FEMALE (W/ INCLUDED GAS SHUTOFF VALVE)
WATER CONNECTION	3/4" NPT MALE
EFFICIENCY RATING	82% NAT.; 84% LP
DOE ENERGY FACTOR	0.82
GAS INLET PRESSURE (OUTDOOR AND DIRECT VENT MODELS)	NATURAL GAS: MIN 4.5" W.C.; MAX. 10.5" W.C. LP GAS: MIN. 10.0" W.C.; MAX 14.0" W.C.
GAS INLET PRESSURE (INDOOR MODEL)	NATURAL GAS: MIN 4.8" W.C.; MAX. 10.5" W.C. LP GAS: MIN. 9.5" W.C.; MAX 13.5" W.C.
LOW NOX COMPLIANT	YES (SCAQMD RULE 1146.2)
ELECTRICAL REQUIREMENT	110 - 120 V/60 Hz AC, 2 AMPS
POWER CORD (EXCEPT OUTDOOR)	10-FOOT, 3-PIN INDOOR POWER CORD (PRE-INSTALLED)
FREEZE PROTECTION	MINUS 20°F (INCLUDING WINDCHILL FACTOR)
CONTROLLER/DIAGNOSTIC DISPLAY	UMC-117 (INCLUDED)
ELECTRONIC MANIFOLD READY?	YES: 3 TO 20 UNITS (USE MIC-180 CONTROLLER)
DUONEX™ READY?	YES: 2 UNITS WITH DUONEX™ CABLE
GAS SHUTOFF VALVE	INCLUDED
VENT REQUIREMENT (INDOOR)	3" CATEGORY III STAINLESS STEEL VENTING REQUIRED
VENT REQUIREMENT (DIRECT VENT)	3" CONCENTRIC CATEGORY III STAINLESS STEEL VENTING REQ.
VENT MAXIMUM LENGTH	37.5 FEET (WITH THREE 90° ELBOWS)
AIR INTAKE (DIRECT VENT)	5" CONCENTRIC CATEGORY III STAINLESS STEEL VENTING REQ.
AIR INTAKE MAXIMUM LENGTH	30 FEET (WITH FOUR 90° ELBOWS)
NET WEIGHT	35 LBS.

FEATURES

- CONTINUOUS HOT WATER ON DEMAND
- ENERGY-SAVING DESIGN
- ENERGY EFFICIENCY - 30% MORE EFFICIENT THAN TANK-TYPE WATER HEATERS
- COMPACT, SPACE-SAVING DESIGN
- SELF-DIAGNOSTIC PROGRAM
- UMC-117 MAIN DIGITAL REMOTE CONTROL
- REMOTE CONTROL DISPLAYS ADJUSTABLE TEMPERATURE SETTINGS
- EXCLUSIVE FILM WRAP OVERHEAT LIMITER
- MAY BE INSTALLED AS PART OF A CIRCULATING WATER SYSTEM
- DOUBLE THE PERFORMANCE WITH DUONEX™
- 3-TO-20 UNIT SYSTEMS WITH MIC-180 CONTROLLER
- EXTENSIVE DIAGNOSTICS AND ERROR DISPLAY

ACCESSORIES

- **USC1-117** FIRST BATH CONTROLLER
- **USC2-117** SECOND BATH CONTROLLER
- **DUONEX™** CABLE FOR 2-UNIT SYSTEM
- **PIPE COVER**
- **RECESSED BOX**
- **MIC-180** CONTROLLER FOR 3 TO 6 UNIT SYSTEMS
- **MICS-180** EXPANSION BOARD FOR 7 TO 20 UNIT SYSTEMS
- **MIC COMMUNICATION CABLE:** 16 FOOT, 32 FOOT, 65 FOOT LENGTHS
- **HIGH ALTITUDE** ADJUSTMENT CHIPS
- **SPECIAL VENT TERMINATIONS**
- **TIV** TANKLESS INSTALLATION VALVES
- **UN-CLOG-IT** DESCALING KIT

IN THE BOX

- ONE WAIWELA TANKLESS UNIT
- ONE DIGITAL CONTROLLER
- ONE GAS SHUTOFF VALVE
- ATTACHED 10FT. POWER CORD (INDOOR AND DIRECT VENT MODELS)
- OPERATING/INSTALLATION MANUAL

AVAILABLE LOCALLY AT:

THE WAIWELA STORY

WAIWELA IS PROUD TO BE AFFILIATED WITH PALOMA INDUSTRIES, LTD. WAIWELA IS REPRESENTED BY EFFICIENT TECHNOLOGY SALES, LLC (ETS) IN THE USA & CANADA. WITH OVER 30 YEARS OF TANKLESS EXPERIENCE, WE ARE DEDICATED TO PROVIDING OUR CUSTOMERS WITH PRODUCTS HIGH IN COMFORT, ECONOMY, EFFICIENCY AND RELIABILITY.

PALOMA WAS THE FIRST GAS TANKLESS WATER HEATER MANUFACTURER TO ENTER THE U.S. MARKET MORE THAN 30 YEARS AGO, AND CONTINUES TO BE THE LEADER IN THE DEVELOPMENT OF SAFE GAS TECHNOLOGY.



FOR MORE INFORMATION, VISIT WWW.WAIWELA.COM OR CALL 800.605.6542

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