

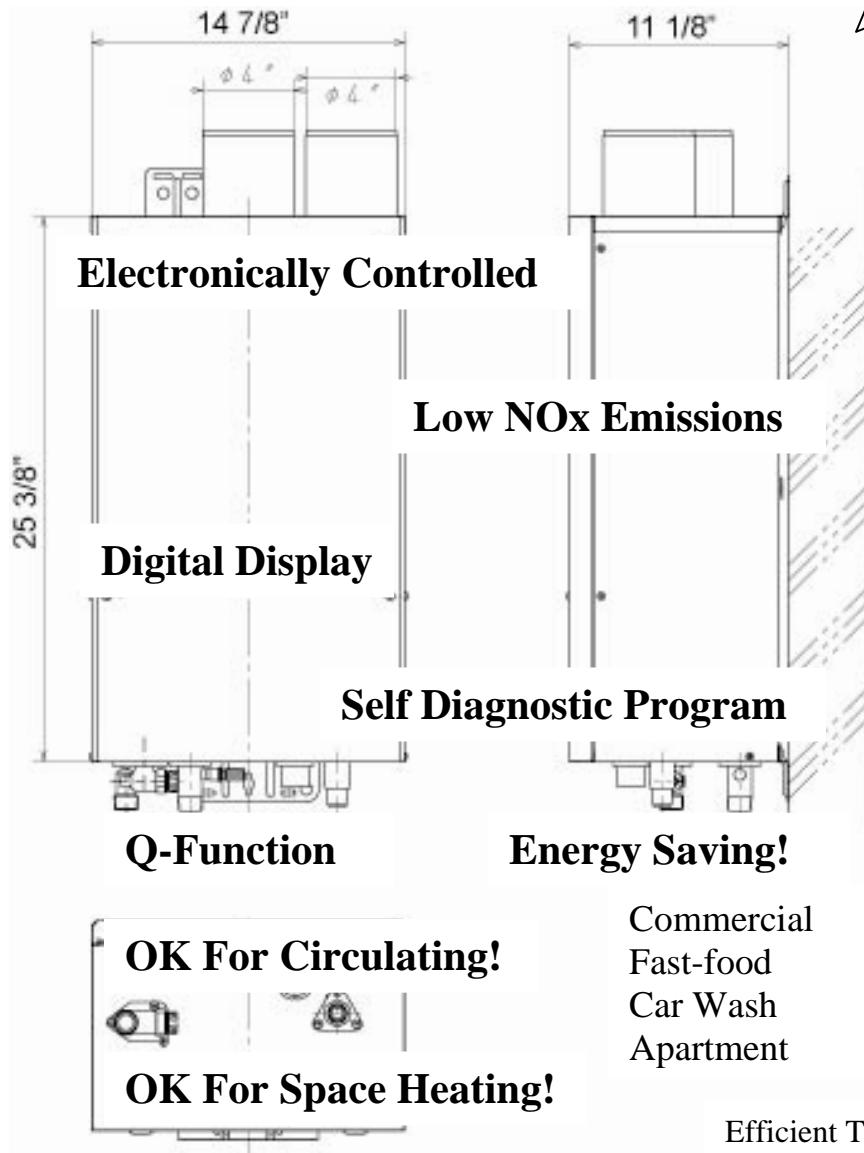
# WAIWELA

**Quality Water Heaters**

**Commercial Direct Vent Models**  
**TANKLESS Gas Water Heater**

PH-28 C DVSN (Natural Gas)  
PH-28 C DVSP (L. P. Gas)

By **Paloma**



**First Tankless Water Heater Equipped With Oxygen Depletion Safety Device In U.S.A.**

**Unique Film Type Overheat Limiter**

**INSTANTANEOUS TANKLESS CONTINUOUS COMPACT**

**OK For Circulating!**

**OK For Space Heating!**

Commercial  
Fast-food  
Car Wash  
Apartment

Restaurant  
Laundry  
Industrial  
Camp Ground  
Office  
School  
etc., etc.

***Endless Hot Water!***

Efficient Technology Sales  
4975 East 41<sup>st</sup> Avenue  
Denver, CO 80216  
Ph: 303-339-4900 | Fx: 303-339-4909  
Tf: 800-605-6542  
Email: [sales@waiwela.com](mailto:sales@waiwela.com)  
Web: [www.waiwela.com](http://www.waiwela.com)

**SPECIFICATIONS (Approx.) (Tentative)**

(As of January 23, 2006)

Model	PH-28 C DVSN (Natural Gas) PH-28 C DVSP (L.P. Gas)		
Rated Gas Input (Btu/Hr.)	19,000 (Min.) 199,900 (Max.)(Modulating)		
Installation	Direct Vent Indoor Wall Mounting Type Vent Horizontally (Side-Wall) or Vertically		
Dimensions (in.)	14 7/8 (W) x 25 3/8 (H) x 11 1/8 (D)		
Net Weight (lbs.)	55		
Working Water Pressure	14 psi (Min.); 150 psi (Max.)		
Min. Water Flow	0.66 Gallon/Minute		
Max. Flow Rate	7.4 GPM at 45°F Temperature Rise, 23 psi		
Gas Connection	3/4 " NPT Female (With Supplied Gas Shutoff Valve)		
Water Connection	3/4 " NPT Male		
Manifold Pressure	Contact your distributor, dealer whom you purchased or Paloma		
Vent Type	Dual Pipe		
Vent Size	4" Exhaust (Special Venting) x 4" Intake (Stainless or Plastic)		
Efficiency Rating	84%		
Energy Factor	0.82		
Inlet Gas Pressure before water heater	Natural Gas: Min. 4.0"w.c.; Max. 10.5"w.c. (Do not exceed L.P. Gas: Min. 8.0"w.c.; Max. 14.0"w.c. maximum pressure.)		
Hot Water Supply	Factory Setting	100°F ~ 120°F	
	Adjusting Range	Main Control	100°F ~ 180°F
		Bath Control	100°F ~ 120°F
	Max. Setting	Up to 180°F (With Main Remote Control & Dip Switch Adjustment)	
Combustion	System	Fan Assisted Combustion	
	Main Burner	Bunsen Type Burner	
	Ignition	Electric Continuous Sparking	
Electrical Portion	Electrical Rating	120 VAC/60Hz, Less than 2 Amps	
	Wire	3 Pin Power Supply Cord 10 Feet (Indoor)	
	Fuse	3A Fuse x 2	
	Fan Motor	Turbo Fan	
Safety Devices	Oxygen Depletion Safety Device	Sensing Burner (Indoor Model Only)	
	Over Heat Limiter for Heat Exchanger	Film Type Over Heat Limiter for Entire Heat Exchanger	
	Flame Failure Safety Device	Flame Rod Type	
Max. Vent Length	4' 37 Feet 6 Inches Three 90 Deg Elbows		
Freeze Protection	Minus 30°F (Without Wind-Chill Factor)		
Remote Control	One Digital Main Remote Control (UMC-117) is included.		
Manifold Installation	Manifold Installation 2 Units ~ 6 Units (With Optional MIC1-180 Control) Manifold Installation 7 Units ~ 20 Units (With Optional MIC2-180 Control) Optional Communication Cables (16, 32 & 65 feet)		
Optional Controls	Digital First Bath Remote Control (USC1-117) Digital Second Bath Remote Control (USC2-117)		

Hot Water Flow Rate and Temperature Rise							
Temperature Rise (°F)	45	50	60	70	80	90	100
Water Flow Rate (GPM)	7.4	6.7	5.6	4.8	4.2	3.7	3.4

Special Venting (Adapter, vent pipe, elbow, vent terminal, etc.) should be UL 1738 Certified Category III Stainless Steel Venting Material (e.g. AL29-4C). **"B" vent is not permitted.**

This is the tentative specifications. Since we are constantly improving our products, all specifications are subject to change without notice.