

WAIWELA

Gas Tankless Water Heater

Indoor **Direct Vent** Models

3 Sizes to Choose From

1. PH2-28RDVS - 199,900 Btu Max
2. PH2-25RDVS - 180,000 Btu Max
3. PH2-20RDVS - 150,000 Btu Max

Performance

PH2-28RDVS (199,900 Btu/Hour Max)									
Temperature Rise (ΔT@°F)	35	45	50	60	70	77	80	90	100
Gallons Per Minute	9.5	7.4	6.6	5.5	4.7	4.3	4.1	3.7	3.3
Gallons Per Hour	570	444	396	330	282	258	246	222	198

PH2-25RDVS (180,000 Btu/Hour Max)									
Temperature Rise (ΔT@°F)	35	45	50	60	70	77	80	90	100
Gallons Per Minute	8.4	6.7	6.1	5.1	4.3	3.9	3.8	3.4	3.0
Gallons Per Hour	504	402	366	306	258	234	228	204	180

PH2-20RDVS (150,000 Btu/Hour Max)									
Temperature Rise (ΔT@°F)	35	45	50	60	70	77	80	90	100
Gallons Per Minute	6.4	5.6	5.1	4.2	3.6	3.3	3.2	2.8	2.5
Gallons Per Hour	384	336	306	252	216	198	192	168	150



Features

- Residential and Commercial Applications
- 2010 Federal Tax Credit Approved
- .26 GPM Minimum Flow Rate / .4 GPM Activation
- Sealed Combustion Burner
- 3"/5" Concentric Venting
- Integrated Appliance Adapter & Condensate Drain
- Supports both Horizontal and Vertical Venting
- Wired Temperature Remote Control Included
- Connect up to 20 Units in Tandem
- High Altitude Capable
- Self Diagnostic System
- Supplied 120V Power Cord
- Freeze Protected to -30°F
- Low NOx Burner

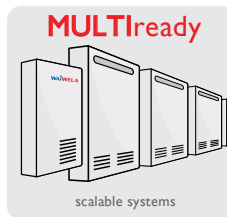
Safety

ICAD: Incomplete Combustion Avoidance Device - Monitors Combustion for Evidence of Unsafe Carbon Monoxide

Overheat Limit Wrap: Resin Film Surrounds the Combustion Chamber, Detecting Overheating

Flame Failure Monitor: Flame Rods Ensure Proper Firing and Detect Flame Failure

Anti-Scald Protection: Temperature Controller can be Adjusted to Prevent Scalding



Specifications

Model Number	PH2-28RDVS	PH2-25RDVS	PH2-20RDVS
Installation Type	Indoor - Sealed Combustion		
Gas Type	Natural Gas or Propane Gas		
Minimum BTU/Hour	11,000		
Maximum Btu/Hour	199,900	180,000	150,000
Efficiency %	84%		
Energy Factor (EF)	0.82		
Minimum Water Flow	.26 GPM (.4 GPM Activation Flow)		
Max Water Flow @35°F ΔT	9.5 GPM	8.4 GPM	6.4 GPM
Dimensions	25 5/8" High x 13 7/8" Wide x 9 7/8" Deep		
Temperature Range °F	85-140 (185 with Hi-Temp Chip)		100-140
Gas Connection	3/4" MNPT		
Water Connection	3/4" MNPT		
Inlet Gas Pressure (W.C.)	Natural Gas: 4.5 - 10.5 / Propane: 10.0 - 14.0		
Water Pressure PSI	14 - 150		
Electrical Requirement	120V / 60 Hz AC / 2 Amps		
Power Cord Installed	Yes		
Freeze Protection	Yes - (-30°F not including wind chill)		
Digital Controller	Yes - UMC-117 Main Controller		
Electronic Manifold Ready	Yes - with optional controller		
DUOnex Ready	Yes - with optional DUOnex cable		
Venting	3"/5" Concentric Venting - Stainless Steel		
Max Vent length	39 Feet - including one 90° Elbow		
High Altitude Capable	Yes		
Low Nox Compliant	Yes		
Approvals	Energy Star - CSA - GAMA - NSF		
Ship Weight	54 Lbs.		
Warranty	12 yrs. Heat Exchanger / 5 yrs. Parts / 1 yr. Labor		

*Specifications subject to change without notice
Made In Japan

Accessories

- Hi-Temp Commercial Chip
- DUOnex Cable (2 unit manifold system)
- MIC-6 (up to 6 unit manifold system)
- MIC-180 & MICS-180 (Up to 20 unit manifold system)
- Cables for MIC manifold systems
- UMC-117 (main controller)
- USC1-117 (bathroom 1 controller)
- USC2-117 (bathroom 2 controller)
- Cosmetic Pipe Cover
- TIV - Tankless Installation Valves
- Un-Clog-It (descaling kit)



Available Locally at: