





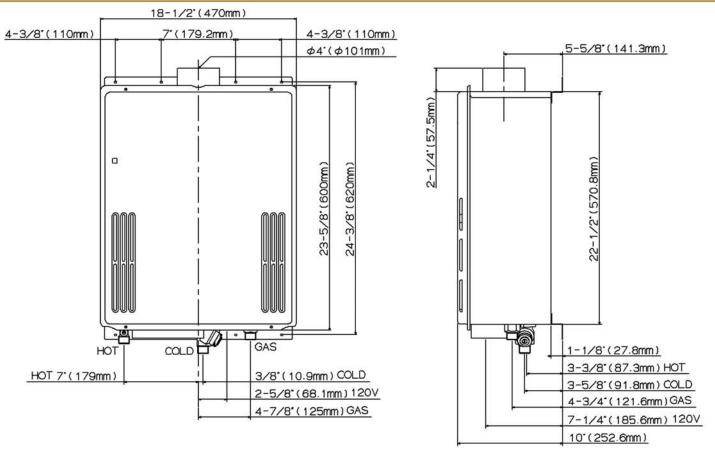






## NSF-61 standard

## **SCAQMD 1146.2**<sup>++</sup>



January 2006. Irvine, CA

T-M1:	<b>HT</b> 23.6	<b>W</b> 18.5	<b>D</b> 8.9	<b>WT</b> 70 lbs.	<b>Volt</b> 120	<b>Amp</b> 0.79	<b>Flue</b> 4"O.D.*	(Hot/Cold/Gas) Connections 3/4" NPT
NG LP	Input Max BTU 235,000 225,000	Input Min BTU 25,000 25,000		<b>Eff%</b> 82.3% 83.9%	Energy Factor .81 .82		<b>Min Press.</b> 5.0" wc 11.0" wc	<b>Max Press.</b> 10.5" wc 14.0" wc
	<b>GPM</b> 9.0 - 0.75**		<b>E GPH</b> 194	<b>TDH -</b> 83.2 - 1		<b>TDH - PSI****</b> 36.0 - 0.5	<b>Water PSI</b> 150 - 15 PSI***	<b>Coil Cap.</b> ≈0.6 Gallons
Clearances Indoor Outdoor	<b>Top</b> 12" 36"	<b>Botto</b> n 12" 12"		n Front 24" 24"		,	Back 1" 1"	<b>Sides</b> 2" 2"

<sup>\*</sup> Category III Required \*\* Current numbers based on factory testing, 0.6 GPM Required for Continuous Fire After Initial Ignition

Warranty 7 yrs Heat Exchanger, 2 yrs Parts Only (as of January 2006)

## **Specification**

Mobius water heater(s) shall be Model TM1 as manufactured by Takagi Industrial Company Inc. The Mobius water heater(s) shall be a copper coil integral fin and tube construction with quick release brass or bronze waterways. Heater(s) will be factory assembled and tested. The heater shall be vented with 4" stainless steel Category III vent pipe a distance not to exceed 35' (equivalent) feet terminating vertically or horizontally as prescribed.

The heater(s) shall be controlled by onboard solid state printed circuit board monitoring incoming and outgoing temperatures with factory installed thermistors, sensing and controlling flow rate to set point temperature which control both air and gas mixture inputs to maintain thermal combustion efficiency. Unit also consists of ground fault interrupter, inline fusing, spark ignition and sensor system, aluminized stainless steel burners, vent pressure switch, Hi limit switch, modulating and proportional gas valves, freeze protection sensor and heating blocks and overheat cut-off fuses.

The water heater(s) shall be CSA listed, exceeds the energy efficiency requirements of ASHRAE 90.1b-1992 and listed by SCAQMD rule 1146.2 Low NOx.

<sup>\*\*\*</sup> Pressure Only Relief Valve Required (Min 200,000 BTUs. 150 PSI)

<sup>\*\*\*\*</sup> Refer to Pressure Loss Chart for Temps Above 140°F