



Model T-K3-OS



SCAQMD 1146.2*

Description / Application:

Fully modulating, gas fired, tankless, on demand water heater. Installed outdoors only, and used in either residential or commercial applications. Supplies hot water to: domestic hot water systems (directly or indirectly using water storage tanks), recirculation systems, hydronic heating systems, radiant floor heating systems, and/or combined domestic & heating applications, etc.

Fuel: NG or LP

Safety Features

- Built in Freeze Protection
- Manual Reset Hi Limit (Set at 194°F)
- Overheat Cut Off Fuse
- Inlet/Outlet Thermistors for Constant Temperature Monitoring
- Air-Fuel Ratio Rod
- Flame Sensor

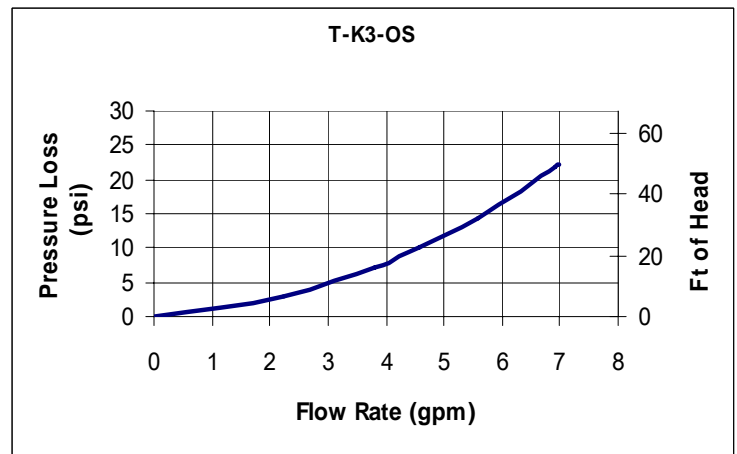
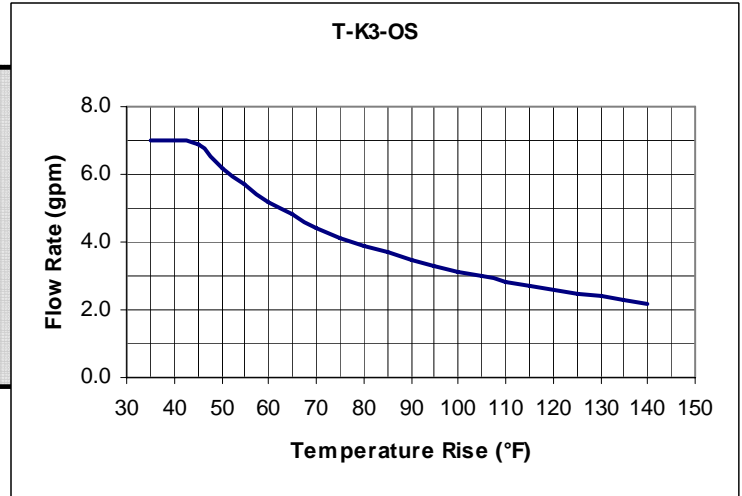
Accessories (optional)

TK - RB02 Recess Box

TK - PC01 Pipe Cover

TK - RE02 Temperature Remote Control

- 150' Max Distance From Heater
- Non Polarized 18 Gauge Control Wiring



Temp Settings

Dip Switch:	113°F	122°F (default)	140°F	167°F					
With RE02 Remote:	99°F	100°F	102°F	104°F	106°F	108°F	110°F	111°F	113°F
	115°F	117°F	122°F	131°F	140°F	158°F	167°F		

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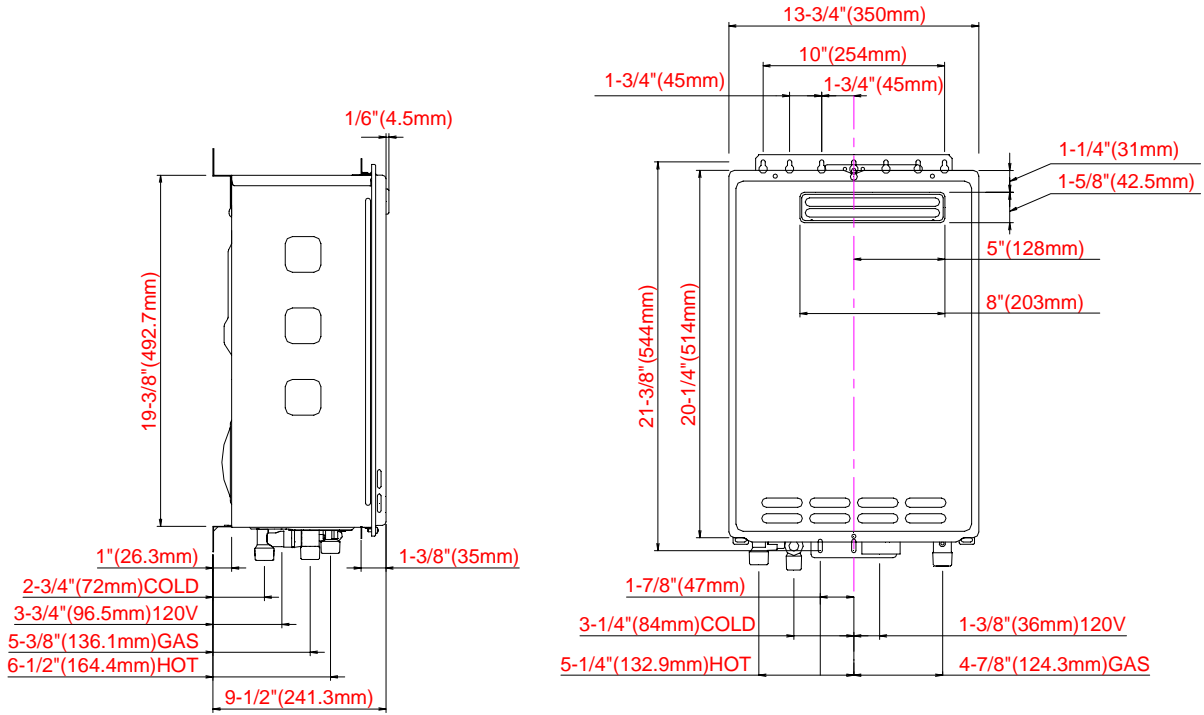
+Met SCAQMD rule 1146.2 (certified by BR Lab)



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T-K3-OS:	HT	W	D	WT	Volt	Amp	(Hot/Cold/Gas) Connections		
	20.5"	13.8"	8.5"	40 lbs.	120	0.77	3/4" NPT		
	Input		Input		Energy Factor	Thermal Eff.	AFUE	Min Press.	Max. Press.
	Max BTU	Min BTU	Water PSI						
NG	190,000	11,000	15 - 150 PSI**		≈0.5 Gallons				
LP	190,000	11,000							
	GPM		Water PSI		Coil Cap.				
	0.5 - 7.0*		15 - 150 PSI**		≈0.5 Gallons				
Clearances	Top	Bottom	Front	Back	Sides				
Outdoor	36"	12"	24"	1"	2"				

* Current numbers based on factory testing, 0.4 GPM Required for Continuous Fire After Initial Ignition

** Pressure Only Relief Valve Requires (Min. 200,000 BTUs. 150 PSI). Min. 50 PSI or above recommended for maximum flow.

Warranty: 10 yrs Heat Exchanger, 5 yrs Parts (for Residential Use) - 3 yrs Heat Exchanger, 3 yrs Parts (For Commercial Use)

Specification

Flash water heater(s) shall be Model T-K3-OS as manufactured by Takagi Industrial Company Inc. The Flash 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(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 with control both air and gas mixture inputs to maintain thermal combustion efficiency. Unit also consists of inline fusing, spark ignition and sensor system, aluminized stainless steel burners, air-fuel ratio rod, Hi limit switch, modulating and proportional gas valves, freeze protection sensor and heating block 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.