

COMPANION

with CWIST™



Companion is the latest addition to the family of products utilizing Hamilton's EVO condensing technology. This design encompasses a stainless steel storage tank with CWIST™, and a high-efficiency, condensing heater in a space-saving design.

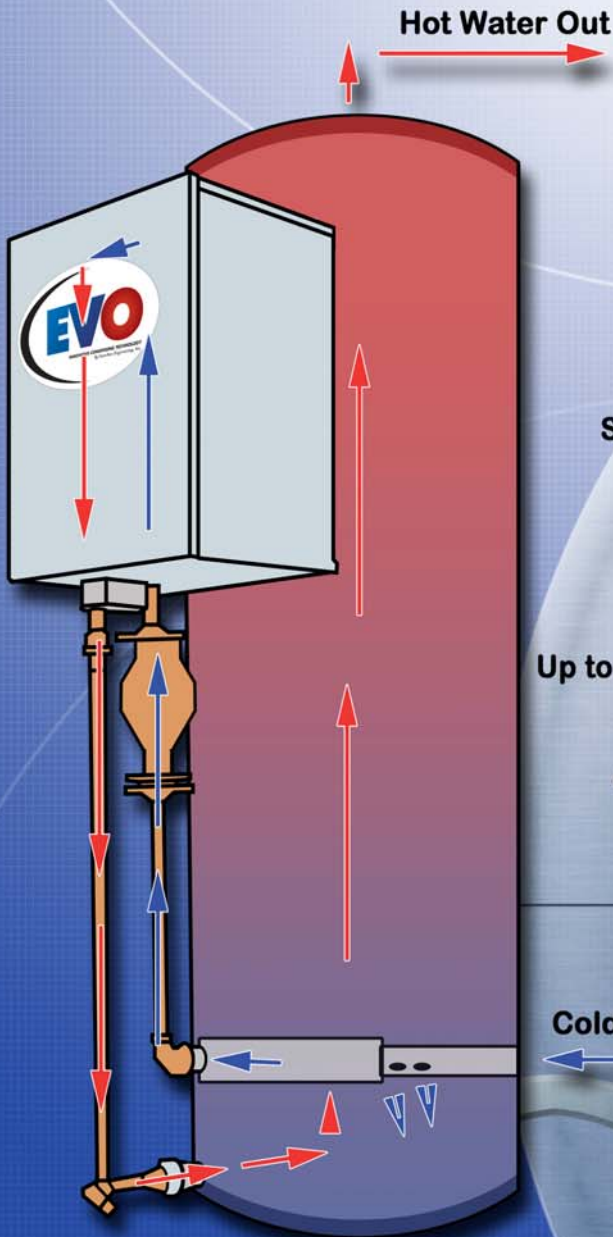
HAMILTON ENGINEERING

Why Companion?

CWIS™: Companion's Cold Water Injection System maximizes the heater's condensing efficiency by directing the coldest incoming water through the EVO's heat exchanger. The unique design of Companion's tank with CWIS™ reduces flow rate restrictions that are common in tankless heaters.

Savings: The Companion's design provides as much as 10% greater operating efficiency when compared to other "high efficiency", self-contained heaters. When compared to an atmospherically fired self-contained heater, the savings are typically in excess of 25%. The CWIS™ allows reduced cycling and greater volumes of hot water without a drop in delivered pressure.

Longer Life: In similar environments, a Companion will last up to three times longer than conventional tank type heaters.



FEATURES:

- Space saving design, up to 99.8% efficiency ■
- Up to 199,999 BTU's and 119 gallons of storage ■
- Modulating burner with 5:1 turndown ratio ■
- Patent Pending Cold Water Injection System™ ■
- Stainless steel insulated tank (less than 1°F temp loss per hr.) ■
- Combined storage & recovery (modular construction) ■
- Sealed combustion with PVC vent and air inlet ■
- Up to 467 gallons first hour delivery at 60°F temperature rise ■
- Also available as a combination indirect / domestic heating system



HAMILTON ENGINEERING, INC.
TOTAL WATER MANAGEMENT
HEATING • TREATMENT • CONSERVATION

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EVO Companion CWIS™ TECHNICAL INFORMATION

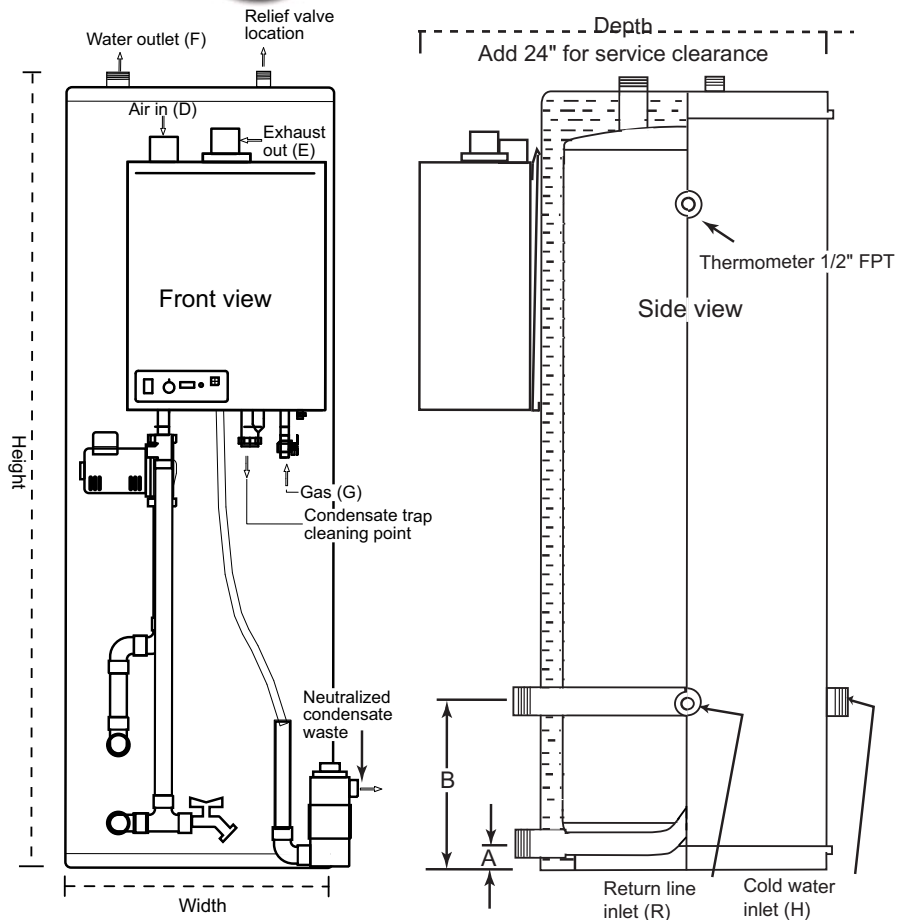


Standard Equipment

- 316L Stainless steel heat exchanger
- Modulating stainless steel burner
- Self diagnostic microprocessor controls
- Externally adjustable thermostat
- Sealed combustion, PVC or AL 29C stainless vent
- Stainless steel cover
- Water flow switch
- Pressure relief valve
- Dual high limit sensors
- All bronze circulating pump
- Blocked flue/blocked condensate drain pressure switch
- 444 Stainless steel tank
- CWIS™ patent pending Cold Water Injection System
- All stainless steel tank fittings
- 24/7 customer service

Optional Equipment

- Piping manifolds on common units
- Cascade controls on multiple units
- Common venting on multiple units



Dimensions are not for construction purposes; for exact measurements, consult factory.

Model	Width	Height	Depth	D	E	F (FPT)	G (FPT)	H (MPT)	R (MPT)	Cold Inlet-Height from Floor
HWD 129-80 CWIS	24"	70"	37"	3"	3"	1.0"	0.75"	1.5"	0.5"	10.1"
HWD 129-120 CWIS	29"	66"	42"	3"	3"	1.0"	0.75"	1.5"	0.5"	11.7"
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Model	Input BTU/hr	Water Heater* Output BTU/hr	Storage	GPH Recovery @ 80°FΔT	First Hour Delivery @ 100°FΔT	First Hour Delivery @ 80°FΔT	First Hour Delivery @ 60°FΔT	Shipping Weight
HWD 129-80 CWIS	136,300	up to 132,890	80	202	274	303	341	255 lbs.
HWD 129-120 CWIS	136,300	up to 132,890	119	202	310	339	377	268 lbs.
HWD 199-80 CWIS	199,999	up to 193,999	80	297	368	411	467	259 lbs.
HWD 199-120 CWIS	199,999	up to 193,999	119	297	404	447	503	272 lbs.

*At 99% thermal efficiency with 60°F incoming water to heat exchanger
• Maximum amperage draw at 230 volts and one phase is less than 3 amps

