

Hamilton 3VO Technical Information

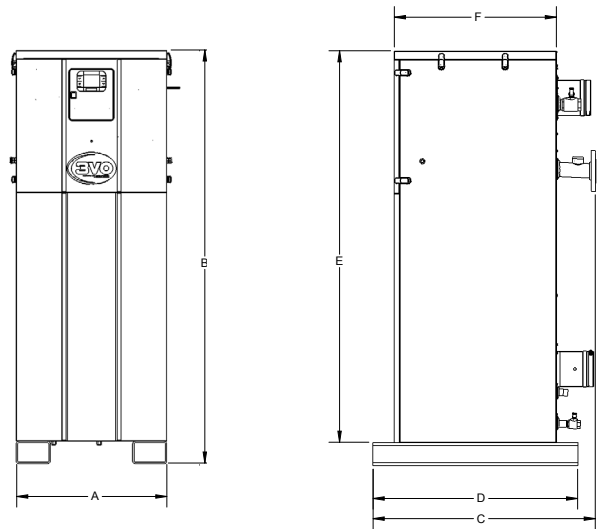
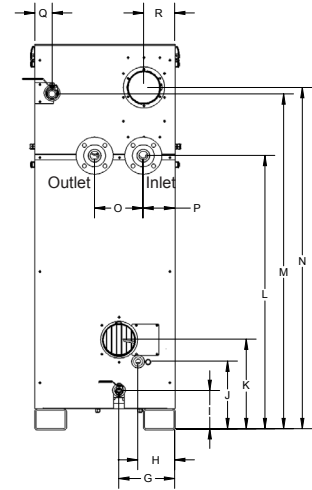


Standard Equipment

- Water heater or heating boiler
- 316L stainless steel heat exchanger—125 PSI working pressure—H
- Modulating stainless steel burner—up to 5:1 turndown
- Self diagnostic HOT™ microprocessor controls
- Externally and remotely adjustable settings
- Sealed combustion or room air
- AL 29-4C stainless, PP, CPVC, or PVC vent
- Flue temperature sensor
- Water flow, (pressure) sensors
- Pressure relief valve
- Dual high limit sensors (fixed and adjustable)
- Gas pressure sensor
- Modbus communication port
- 24/7 customer service

Optional Equipment

- Circulating pump—on/off or modulating
- Cascade controls (masterless)
- Individually switched electrical power
- Condensate drain neutralizer
- Common gas supply with individual shut-offs and test ports



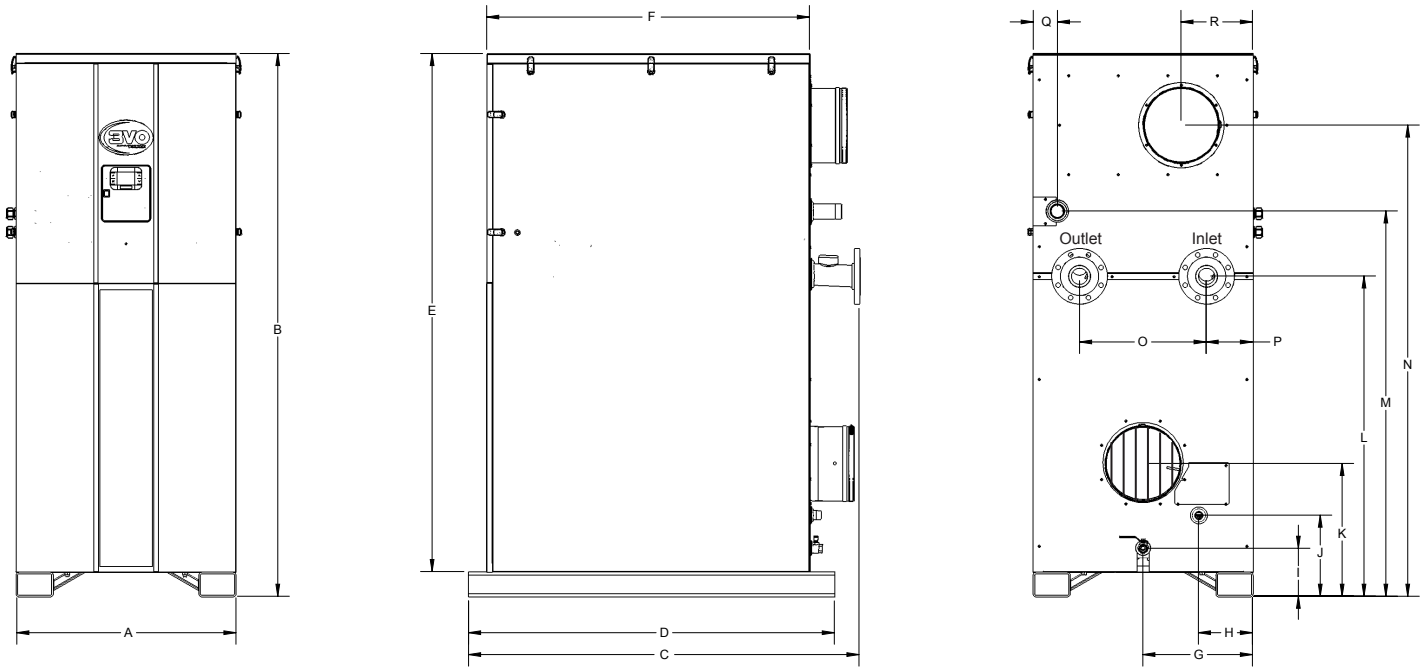
Model	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm	J mm	K mm	L mm	M mm	N mm	O mm	P mm	Q mm	R mm	Water Conn. mm	Gas Conn. mm	Flue Out & In Air mm	Condensate Connection mm	Boiler Drain Connection mm
750	673	1,854	991	914	1,753	724	268	127	178	330	432	1,321	1,613	1,638	229	152	89	152	63.5	1.25"	127	19	3 @ 19
850	673	1,854	991	914	1,753	724	268	127	178	330	432	1,321	1,613	1,638	229	152	89	152	63.5	1.25"	152	19	3 @ 19
1000	673	1,854	991	914	1,753	724	268	127	178	330	432	1,321	1,613	1,638	229	152	89	152	63.5	1.25"	152	19	3 @ 19

Model	Input kWh	Output kWh @ 12°C incoming water	Output kWh @ 49°C incoming water	LPH Recovery @ 38°CΔT	Water Flow Rate & Pressure Drop @ 10°CΔT	Water Flow Rate & Pressure Drop @ -7°CΔT	Shipping Weight
750	219	216	196	3,346	108 LPM @ .27m	270 LPM @ 1.5m	649 kg
850	249	245	225	3,797	122 LPM @ .30m	306 LPM @ 1.7m	658 kg
1000	293	289	268	4,478	144 LPM @ .40m	360 LPM @ 2.1m	664 kg

See reverse side for larger sizes and notes for all model sizes



UL 795-2011/CSA3.4
Classified Commercial
Industrial Gas Fired
Heating Equipment



Model	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm	J mm	K mm	L mm	M mm	N mm	O mm	P mm	Q mm	R mm	Water Conn. mm	Gas Conn. mm	Flue Out & In Air mm	Condensate Connection mm	Boiler Drain Connection mm
1500	813	2032	1346	1207	1930	1041	330	191	191	330	546	1321	1562	1740	343	178	89	254	76	38	178	25	3 @ 19
2000	813	2032	1346	1207	1930	1041	330	191	191	330	546	1321	1562	1740	343	178	89	254	76	38	203	25	3 @ 19
2500	813	2032	1346	1207	1930	1041	330	191	191	330	546	1321	1562	1740	343	178	89	254	76	51	254	25	3 @ 19
3000	902	2235	1600	1511	2134	1334	457	216	203	330	546	1321	1588	1943	521	191	102	292	102	51	254	25	3 @ 19
3500	902	2235	1600	1511	2134	1334	457	216	203	330	546	1321	1588	1943	521	191	102	292	102	51	254	25	3 @ 19
4000	902	2235	1600	1511	2134	1334	457	216	203	330	546	1321	1588	1943	521	191	102	292	102	51	305	25	3 @ 19

Model	Input kWh	Output kWh @ 12°C incoming water	Output kWh @ 49°C incoming water	LPH Recovery @ 38°CΔT	Water Flow Rate & Pressure Drop @ 10°CΔT	Water Flow Rate & Pressure Drop @ -7°CΔT	Shipping Weight
1500	450	443	410	6878	216 LPM @ .34m	540 LPM @ 1.9m	743kg
2000	584	575	529	8922	288 LPM @ .46m	720 LPM @ 2.5m	766kg
2500	749	737	674	11,432	360 LPM @ .51m	899 LPM @ 2.9m	785kg
3000	887	873	807	13,540	432 LPM @ .49m	1079 LPM @ 2.7m	844kg
3500	1007	992	907	15,388	504 LPM @ .64m	1259 LPM @ 3.4m	873kg
4000	1172	1155	1055	17,576	560 LPM @ .73m	1401 LPM @ 4.0m	1134kg

- Rates shown are for natural or propane gas, and elevations up to 2,743m
- Pressure drop is for heat exchanger only
- Dimensions not to be used for construction purposes. Please consult the factory for construction planning details
- Models 750–850 maximum amperage draw at 120 volts single phase.
- Models 1000–3000 maximum amperage draw at 240 volts single phase.
- Models 3500–4000 maximum amperage draw at 480 volts three phase, is less than 5 amps, plus pump.

