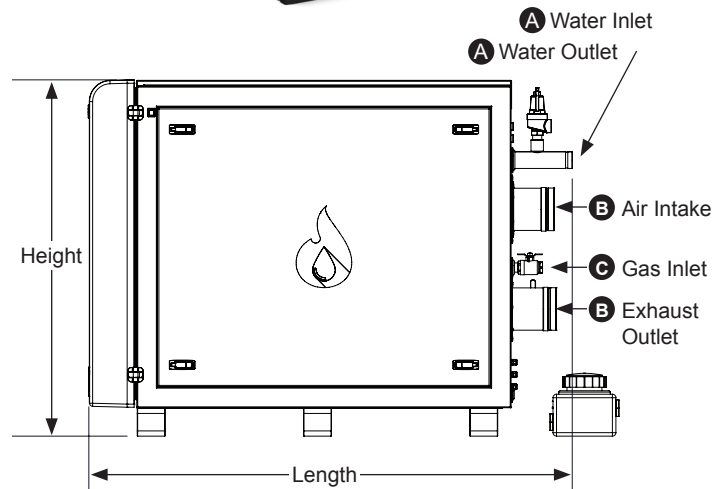
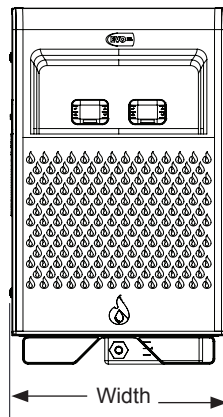


EVO-XL 800, 1000, 1500

Technical Information

Standard Equipment

- 316L stainless steel water tube heat exchanger, 160 psi ASME H
- 7:1 burner modulation
- Self-diagnostic microprocessor controls
- Externally adjustable set point (0–10v) per appliance
- Sealed combustion
- AL29-4C, PP, CPVC or PVC vent materials
- Pressure relief valve
- Flow switch
- Inlet & outlet water temperature sensor
- Exhaust temperature sensor
- Gas inlet pressure transducer
- Dual high limit (fixed & adjustable)
- 24/7 customer service
- Color LCD Display
- CSD-1 compliant
- Manual reset high limit
- Condensate pressure switch



Equipment only options:

- BMS (144 different protocols), one per system
- Cascade controls—Cascade up to eight units
- Condensate neutralizer
- Circulating pump
- Low water cut off
- Remote monitoring dashboard and notifications through cellular modem
- Outdoor rated available
- HLW option available

Table 1 - Heater/Boiler Unit Dimensions

| Model | Width | | Height | | Depth | | A | | B | | C | |
|-------------------|-------|-------|--------|------|-------|--------|----|----|----|-----|----|----|
| | in | mm | in | mm | in | mm | in | mm | in | mm | in | mm |
| XL800 | 31.6 | 803.2 | 51 | 1295 | 51 | 1295 | 2 | 50 | 6 | 152 | 1 | 25 |
| XL1000 XL1500* | 31.6 | 803.2 | 51 | 1295 | 69.2 | 1757.4 | 2 | 50 | 6 | 152 | 1 | 25 |

Table 2 - HX Data

| Model | Input | | Water Heater Output | | Recovery @ 100 FΔT (55.6 CΔT) | | Recovery @ 80 FΔT (44.5 CΔT) | | Recovery @ 60 FΔT (33.3 CΔT) | | Water Flow Rate & Pressure Drop | |
|---------|--------------|--------|---------------------|-------------|-------------------------------|-------|------------------------------|-------|------------------------------|-------|---------------------------------|----------|
| | BTU/Hr | kW | BTU/Hr | kW | GPH | LPH | GPH | LPH | GPH | LPH | GPM@FT | LPM@M |
| XL800 | 880,000 | 257.84 | up to 853,600 | up to 250.1 | 1,025 | 3,880 | 1,281 | 4,849 | 1,708 | 6,465 | 48.8@10.5' | 185@3.2M |
| XL1000 | 1,100,000 | 322.3 | up to 1,067,000 | up to 312.6 | 1,281 | 4,849 | 2,135 | 8,082 | 2,135 | 8,082 | 53.4@9.7' | 202@3.0M |
| XL1500* | *Coming Soon | | | | | | | | | | | |

• Rates shown are for natural or propane gas, and elevations up to 9,000 feet
 † Individual appliance piping pressure drop used in the tables is based on 20 feet of straight pipe, 6 elbows, 2 tees, 2 full port ball valves and 2 unions
 * At 97% thermal efficiency with 86°F incoming water to heat exchanger
 ** At 95% thermal efficiency with 140°F incoming water to heat exchanger
 • All recovery rates based on domestic water heating
 • Dimensions are approximate. Please consult the factory before installation

• Maximum amperage draw at 208–240 volts split phase, single phase is less than 6.3 amps including circulating pump

Note: If return water temps exceed 130°F, use of PVC is NOT recommended, even though product is approved as such. Contact Hamilton Engineering at 800.968.5530 for further clarification.

