**CUSTOMER RESPONSE SHEET**  
**PROJECT SIZING & CONFIGURATION**

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<th>Company:</th>
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<td>Contact information:</td>
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<td>Project name:</td>
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**Requirements for Sizing – Residential (Climate Driven Loads)**

- Peak heat loss in Btuh or Kw (heating):
- Peak heat gain in Btuh or Kw (cooling):
- Heat pump manufacturer and model:
- Flow rate in gpm or ls:
- Antifreeze type and % volume:
- Minimum water depth for installation in feet or meters from surface:
- Winter water temperature of lake/pond in °F or °C:
- Summer water temperature of lake/pond in °F or °C:

Note: Include all heat pump make and model descriptions (HP equipment schedule) if more than one unit.

**Requirements for Sizing – Commercial (Internally Driven Loads)**

- Peak heat loss in Btuh or Kw (heating):
- Peak heat gain in Btuh or Kw (cooling):
- Energy load profile
  - Send load profile
- Heat pump schedule
- Flow rate in gpm or ls:
- Antifreeze type and % volume:
- Minimum water depth for installation in feet or meters from surface:
- Winter water temperature of lake/pond in °F or °C:
- Summer water temperature of lake/pond in °F or °C:

Note: Include all heat pump make and model descriptions (HP equipment schedule) if more than one unit.

**Host Water Environment**

<table>
<thead>
<tr>
<th>Host water environment:</th>
<th>Fresh</th>
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<td>Brackish</td>
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<td>Seawater</td>
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Host water environment: ___________________________ Other (please describe) ___________________________

Water conditions are important to the determination of the correct alloy of the enviroPlate product. General recommendations:

- **Fresh water:** 304 stainless steel
- **Seawater:** ALX6N stainless steel
- **Brackish:** ALX6N stainless steel
- **Extremely aggressive:** Titanium

* Equatorial or tropical climate with brackish conditions, with little or no communication with open ocean or other attenuating influence to dilute extremely aggressive or caustic conditions; land-locked surface warm-water system with high salt and other high total dissolved minerals, alkalai or soda content; any other host water conditions that could result in aggressive water conditions that require titanium.

Standard plate gauge is 16 for any alloy composition.

Water movement: ___________________________ Static
_________________________ Dynamic

Static would be defined as a host water conditions that can be expected to be relatively stable, ie, without movement as from a stream, high volume spring, etc. Dynamic movement as defined here implies constant movement as with a creek or river, daily tidal currents, etc. If project is heating dominant and plates are installed in pond or lake that is only dynamic occasionally, host conditions are defined as static for design considerations (worst case).

**Pressure Drop Calculations**

MG will provide the pressure drop values per plate after the number of plates, peak fluid flow and operating conditions are determined.