



## Commercial Landscape Turf System Design Form

Date: \_\_\_\_\_ Project Name: \_\_\_\_\_ City: \_\_\_\_\_

Project Location: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_

Customer Name: \_\_\_\_\_

Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ Email: \_\_\_\_\_

**Pump System Type:**  Booster  Flooded suction  \* Suction lift (7 feet max.) Feet of lift \_\_\_\_\_ Flow rate \_\_\_\_\_

**Site Conditions:** Voltage  208  240  480 Phase  Single Phase  Three Phase

**Start/Stop Configuration:**  Controller start  Pressure start  Flow start

**Pump System Technology:**  VFD

**Site Calculations:**

- |  |                                     |
|--|-------------------------------------|
| 1. Static pressure at point of connection (POC)                                  | _____ PSI                           |
| 2. Losses from POC to pump station intake (meter, service line, elevation, etc.) | _____ PSI                           |
| 3. Loss for backflow preventer (12-15 PSI)                                       | _____ PSI                           |
| 4. Subtract lines 2 & 3 from line 1  | System Dynamic Pressure = _____ PSI |

**Boost Calculations:**

- |  |                                    |
|--|------------------------------------|
| 5. System requirements = (sprinkler pressure required + main line loss + backflow preventer + lateral line loss + elevation) | Desired Pressure = _____ PSI       |
| 6. System dynamic inlet pressure (line 4 from above)   | _____ PSI                          |
| 7. Subtract line 6 from line 5   | Boost required by Pump = _____ PSI |

**Options**

- Stainless Steel Enclosure
- Marine Grade Aluminum Enclosure
- Sandstone Finish (steel enclosure only)
- Dead-front Service Disconnect
- Thermostatically Controlled Heater
- Suction Z Pipe (System Intake x \_\_\_\_\_ )
- Discharge Z Pipe (System Discharge x \_\_\_\_\_ )
- Vandal Resistant Alarm Light
- Stationary Lake Screen

**Available on Suction Lift Systems Only**

- 20' Floating Suction Line with Foot Valve
- Additional 10' Suction Line x Number \_\_\_\_\_

**Available on Booster Systems Only**

- Full Flow Bypass Line w/3 Isolation Valves

\* If more than 7 feet of suction lift, consult factory



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