



## **GEFCO SELECT FK101 Submersible Kit**

### **INTRODUCTION**

Georgia Fountain Company's years of experience as a manufacturer of complete architectural fountain equipment has enabled us to develop a unique systems approach to fountain design. Our own equipment, machine shop and electrical and electronic production facilities give us the capability to design and produce the highest quality Submersible Fountain System Kits available.

The Submersible Fountain System Kit is the easiest fountain system to install because its parts are pre-selected to operate as a package. For smaller fountains, it also offers the lowest installed costs. These type of fountains rely on all bronze submersible pumps which are available up to 1 horsepower. No cast iron or other materials that will corrode are used. Filtration equipment is not a standard with this type of system but is highly recommended for longer equipment life and sparkling clean water. A fountain without filtration will require much more maintenance. The fountain lighting equipment is also prepackaged to match the water effects. Each system has a recommended lighting option. The amount of light recommendation is for typical applications. More lighting should be considered for high ambient lighting conditions or to create more emphasis on the water effects. Refer to the accessories section for complete filtration, colored lighting, water level control, wind control, pool overflow and drain equipment.

A typical Submersible Fountain Kit System is shown in the illustration on the opposite page. The heart of the Submersible Fountain Kit System is the bronze submersible pump with integral debris screen. This high quality pump (item 3) is matched to the exact requirement of the selected water effect for each system. The water effects are created by precision engineered nozzles and spray rings (items 1 and 2). The submersible pump and nozzles are connected by custom built brass and copper manifolds (item 4). The manifold is provided with bronze ball valves to regulate the flow and pressure requirements of each effect. Each valve has a bronze handle that is easily removed after final adjustment. All of the standard systems are designed for 18" minimum water depth. For special design considerations, including water depth, see the Optional and Special Equipment section of this catalog or contact your Georgia Fountain Company representative.

One or more UL Listed bronze junction boxes (item 5) are provided to terminate the cord connections of the electrical equipment. The electrical conduit penetrations through the floor or walls should be made out of brass. To prevent leakage of pool water, a waterstop device should be set in the concrete. This can be provided by the installing contractor or ordered separately from the Fountain Components section of the GEFCO general catalog. The UL Listed bronze underwater lighting fixtures (item 6) are connected by flexible SO type cord to the junction boxes. Using the proper equipment ground and ground fault circuit interrupter (GFCI) breakers for all electrical equipment in the pool per the National Electric Codes is mandatory.

### **GEORGIA FOUNTAIN COMPANY LIMITED WARRANTY**

Your custom fountain system is a quality product of Georgia Fountain Company. Georgia Fountain Company warrants the system (except for consumable items: lamps, lenses, pump seals or rubber seals of any kind) against defects in material and workmanship for a period of one year from our shipping date unless otherwise specified in contract or purchase order.

In the event that such a defect occurs within the warranty period, the company will, at its option, replace or recondition the parts judged to be defective without charge upon inspection by Georgia Fountain Company. All defective parts or equipment should be returned to Georgia Fountain Company, freight prepaid, and should be identified by project name, serial number if applicable, and a written description of the problem.

#### **SPECIFICALLY EXCLUDED ARE:**

**LAMPS, LIGHT GASKETS, FIXTURE O-RINGS, UNDERWATER ELECTRIC CABLES, PUMP MECHANICAL SEALS, PUMP GASKETS, ANY RUBBER OR SEAL PRODUCTS.**

Georgia Fountain Company shall not be responsible for any incidental or consequential damages including, without limitation, damages or other costs resulting from labor charges, delays, vandalism, negligence, abuse, misuse, improper installation, alteration or modification, chemical corrosion, improper maintenance or any other circumstances over which the company has no control.

Georgia Fountain Company makes no other warranties express or implied except as provided in this limited warranty.

#### **SAFETY WARNING**

***Electrical equipment installed in the proximity of people and water can cause fatal electrical shock when not installed properly. All electrical equipment supplied by Georgia Fountain Company, Inc. must be installed in accordance with the National Electric Code standards by qualified electrical contractors. This equipment must be maintained regularly after installation to prevent accidents.***

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