

**LIFEGUARD™ GFCI**



## World class protection for Cast and Crew

Electricity with water creates a dangerous situation

Not with **Life Guard**  
GFCI

The LIFEGUARD™ GFCI  
made by BENDER protects

- PERSONNEL
  - EQUIPMENT
  - PROPERTIES AND FACILITIES
- and limits your
- PRODUCTION LIABILITY



**Power in electrical safety**

# LIFEGUARD™ GFCIs – The best choice for the entertainment industry

Modern production equipment depends on electricity, which inherently adds the potential danger of electric shock whenever personnel come in close contact with these electrical devices, especially in or around water. The main reason for this potential hazard is a ground fault or the presence of ground leakage current. This condition exists when current flows unintentionally between an active conductor and ground. The danger becomes apparent when a person either touches an active conductor or comes in contact with voltage carrying exposed conductive parts or liquids due to an internal ground fault.

## **A ground fault can result in:**

- **ELECTRIC SHOCK**
- **DEATH OF PERSONNEL OR ANIMALS**
- **EQUIPMENT DAMAGE**
- **FIRE**
- **PRODUCTION DOWN TIME**
- **LITIGATION**

BENDER is the recognized world wide leader in the field of electrical safety.

Since 1946 BENDER has helped shape the world of electrical safety by supplying state of the art technology for personnel and equipment protection in electrical power systems.

BENDER engineers designed the LIFEGUARD™ GFCI with the latest technology and under consideration of all the requirements of modern electrical production equipment and regulations.

BENDER LIFEGUARD™ GFCI products are manufactured in accordance with UL943, the North American standard for personnel protection; employing advanced filtering characteristics, as well as the standard specific time/current trip curves.

## **Users of BENDER LIFEGUARD GFCI products experience:**

- **LESS NUISANCE TRIPPING**
- **COMPATIBILITY WITH MORE EQUIPMENT**
- **HIGHER ACCURACY**
- **LESS RISK**

The LIFEGUARD™ series GFCI's extend the capability of standard ground fault circuit interrupters to the detection of ground leakage currents in all stages of power conversion and distribution equipment from simple rectifiers to sophisticated variable frequency drives and brushless DC motor controllers extending from pure DC into the low kHz range.

## **The LIFEGUARD™ GFCI can be used virtually in any system and is widely used in the following areas:**

- **TUNGSTEN, HMI, KINOS, LEDs**
- **LIGHTNING SIMULATORS**
- **DIMMERS, LINE OR LOAD SIDE**
- **WATER PUMPS, SCRIMS, FOUNTAINS**
- **RITTER FANS, CRANES**
- **VARIABLE FREQUENCY DRIVES**



# LIFEGUARD™ GFCIs are available in many configurations to suit your needs



## LG 100, 120V (100% dimmable available)

Capacity: 100 amp/phase,  
Input: 120 volt, 50/60 Hz,  
single phase  
Trip Point: 5mA (20mA available)  
Enclosure: fiberglass with protective  
cage,  
Connectors: Stage Pin

## LG 100/208, 240V (100% dimmable available)

Capacity: 100 amp/phase,  
Input: 208 or 240 volt, 50/60 Hz,  
single phase  
Trip Point: 5mA (20mA available)  
Enclosure: fiberglass with protective  
cage,  
Connectors: Stage Pin or cam type

## LG 100, 3 phase

Capacity: 100 amp/phase, single or  
3 phase,  
Connectors: panel mount camlock style  
Input: 208 or 240 volt, w or w/o  
neutral, 50/60 Hz (480V  
available)  
Output: 120 (w/neutral input), 208,  
240 V (480V Available)  
Trip Point: 5mA (20 mA available)  
Enclosure: stainless steel with protective  
cage



## LG 250, 3 phase

Capacity: 250 amp/phase, single or  
3 phase,  
Connectors: panel mount camlock style  
Input: 208, 240, 480 volt, w or w/o  
neutral, 50/60 Hz  
Output: 120 (w/neutral input), 208,  
240, 480 volt  
Trip Point: Switchable - 5mA or 20mA  
Enclosure: custom stainless steel on  
custom rolling cart (other  
configurations available)

## LG 400, 3 phase

Capacity: 400 amp/phase, single or  
3 phase,  
Connectors: panel mount camlock style  
Input: 208, 240, 480 volt, w or w/o  
neutral, 50/60 Hz  
Output: 120 (w/neutral input), 208,  
240, 480 volt  
Trip Point: Switchable - 5mA or 20mA  
Enclosure: custom stainless steel on  
custom rolling cart



**Note:** Many of our LIFEGUARD devices are  
UL Listed or UL Recognized.  
Please contact us for more information.

# LIFEGUARD™ GFCI by BENDER – Our resume speaks for itself

## Feature Films

▶ Titanic
▶ Pirates of the Caribbean 1, 2, and 3
▶ The Guardian
▶ Memoirs of a Geisha
▶ Invincible
▶ Lady in the Water
▶ I am Legend
▶ Castaway
▶ Into the Wild
▶ Lemony Snickets
▶ Jurassic Park, Lost World
▶ Pearl Harbor
▶ War of the Worlds
▶ The Island
▶ Hide and Seek
▶ Iron Man
▶ Poseidon
▶ Into the Blue
▶ After the Sunset
▶ Underworld
▶ Balls of Fury
▶ Master and Commander
▶ The Abyss
▶ The Reaping
▶ Sphere
▶ National Treasure 2
▶ Alvin and the Chipmunks
▶ Smokin' Aces

## Television

▶ The Riches
▶ Entourage
▶ Sarah Connor
▶ The Unit
▶ The Sopranos
▶ The Closer
▶ Shark
▶ CSI
▶ CSI Miami
▶ Ghost Whisperer
▶ It's Always Sunny in Philadelphia
▶ Las Vegas
▶ Desperate Housewives
▶ Reno 911
▶ Commander in Chief
▶ Fear Factor
▶ Nip/Tuck
▶ Crossing Jordan
▶ September
▶ Passions
▶ Bernie Mac
▶ Divorce Court
▶ Surreal Life
▶ NCIS
▶ The OC
▶ Medium
▶ Zoey 101
▶ Malcolm in the Middle

## Live Events, Videos

▶ MTV Music Video Awards
▶ Taurus World Stunt Man Awards
▶ Shangri-La III
▶ Design Star
▶ Britney Spears
▶ Janet Jackson
▶ Gwen Stefani
▶ Deftones
▶ Weezer

## Commercials

▶ Victoria's Secret
▶ McDonalds
▶ Oldsmobile
▶ Excedrin
▶ Acura
▶ Bud Light
▶ State Farm
▶ Nike
▶ Propel
▶ Tide
▶ ChapStick
▶ Cadillac
▶ Travelers Insurance
▶ Marshals
▶ Clorox
▶ Wal-Mart
▶ FEMA
▶ Volvo
▶ T-Mobile
▶ Chrysler
▶ Bayer
▶ Old Spice
▶ Johnson & Johnson

## Other

▶ Disney Land/Disney World
▶ Bellagio Hotel Fountain Feature
▶ Mirage Hotel Volcano Feature
▶ Nuclear Power Plants
▶ Space Shuttle
▶ Nuclear Submarines

Too many titles to list them all



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**Power in electrical safety**

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