

## Earth-Rite® FIBC

### Static Grounding for Type C FIBC bags

The **Earth-Rite FIBC** system verifies the resistance and safe grounding of Type C “Big-Bags” or “Super-Sacks” in combustible or flammable atmospheres. The system ensures that the resistance of the flexible container is within the correct parameters specified by International Hazardous Area Static Control Codes of Practice.

The **Earth-Rite FIBC** can interlock with filling/discharge machinery or control/alarm systems to prevent hazardous levels of static charge accumulation on the bag and the powder or loose solids contained in the bag.



ATEX approved  
model shown



The **Earth-Rite FIBC** includes:

- **Corrosion resistant monitoring and indicator panel** with simple GO / NO GO Red/Green LED indicator.
- **Power Supply Unit/I.S. Interface Module** (for safe area installation).
- **ATEX/FM approved FIBC grounding clamp** and retractable Hytrel® cable.

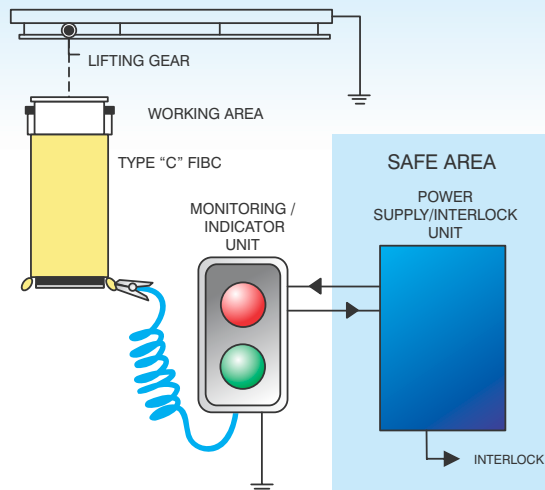


The **Earth-Rite FIBC** system is offered in two formats which monitor resistance either between the lifting hooks and the grounding clamp, or between two separate grounding clamps situated at opposite ends of the bag.

## 3 easy steps to secure grounding of Type C FIBC bags.

1. Attach the grounding clamp to the designated grounding point or tab on the FIBC bag.
2. For systems employing the use of two clamps, attach the 2nd clamp to the opposite end of the bag, ensuring resistance through the whole bag is monitored.
3. When the bag parameters are measured and the bag is fully grounded, the system indicator will switch from red to green.

**Note:** If the **Earth-Rite FIBC** indicator does not switch to green, check that the grounding clamp is correctly attached to the grounding point of the bag. If the system does not go permissive, the FIBC bag will be outside the correct Type C parameters of resistance defined under CLC/TR:50404 and should not be used for filling or emptying within the hazardous area.



### Additional Applications

Along with grounding Type C FIBC bags, the **Earth-Rite FIBC** can be used to monitor and ground a range of non-metal containers including plastic drums, liners and kegs that are specified as static dissipative.



#### ATEX Certification:

Earth Monitoring Unit complete with earth status indicator LEDs  $\text{Ex II 1 GD EEx ia IIC T4}$

Power supply unit complete with Intrinsically Safe Interlock contact  $\text{Ex II (1) GD [Eex ia] IIC}$



#### FM Approved:

Class I, Div 1 Groups A B C D  
Class II, Div 1 Groups E F G  
Class III.

#### Options

Grounding Clamp/Cable assembly (for 2-clamp installations)

Hazardous Area Power Supply Enclosure

IEC/ATEX (European) and NEC (North American) versions available

**Ingress Protection** IP 65 / Nema 4X

**Power Supply** 110/120V or 220/240V AC, 50-60 Hz

Ordering Code	Product Description	Approvals	
EMUF01	Earth-Rite FIBC System (EEx ia IIC T4) * 220/240 Vac	ATEX	
EMUF01/110	Earth-Rite FIBC System (EEx ia IIC T4) * 110/120 Vac	ATEX	
EMUF02	Earth-Rite FIBC System (EEx ia IIC T4) Power Supply Unit: EEx d IIB T5 * 220/240 Vac	ATEX	
EMUF02/110	Earth-Rite FIBC System (EEx ia IIC T4) Power Supply Unit: EEx d IIB T5 * 110/120 Vac	ATEX	
EMUF01U	Earth-Rite FIBC System (FM Approved) * 110/120 Vac		FM
EMUF01U/230	Earth-Rite FIBC System (FM Approved) * 220/240Vac		FM
* supplied with 5m (16ft) Cen-Stat Hytel single conductor monitoring spiral cable standard			

For ordering codes and more detailed technical information please refer to product specification sheet.

The Earth-Rite FIBC forms part of the Earth-Rite range of Static Grounding and Bonding Equipment available from Newson Gale



Leading the way in hazardous area static control

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