

ATEX Statement of Exclusion – SEMR, SMR

With respect to ATEX Directive 2014/34/EU

We,

Goudsmit Magnetic Systems B.V.
Petunialaan 19
5582 HA Waalre
The Netherlands

herewith declare, on our own responsibility, that the equipment:

Article description: **Grid Magnet series SEMR, SMR**
Product Key: **SMR-x-xxxxxxx-xxx-xx-x**

is outside the scope of ATEX Directive 2014/34/EU.

The basic product, without additional components installed, does not have any moving parts. There are no electrical circuits or other parts that would provide effective ignition source under normal operation, expected malfunction or rare malfunction. The device is therefore out of scope of ATEX Directive 2014/34/EU. Hence the equipment will get no EX-marking and can be safely used in ATEX dust zones 20,21 and 22, with the provision the following conditions are observed:

- Ensure no particles >10 mm are present in the product flow.
- The free-fall height before the equipment may not exceed 10 m above the upper edge of the equipment.
- Do not apply isolating layers/coatings with breakdown voltages > 4 kV to the inner surface of the equipment.
- Before longer standstill empty and clean the equipment.
- Screw connections, if any, must be secured against loosening.
- Provide a means for equalisation of potential electrostatic charges. The electrical resistance to earth must be below 1 M Ω . The electrical resistance between equipment and metal product chute, when in direct contact, is usually less than 10 Ω . An electrical resistance of less than 25 Ω is still acceptable. If you measure a larger resistance, a braided bonding cable (or other means) can be applied. This should have a resistance of less than 25 Ω .
- The smoulder temperature of the dust should exceed the equipment temperature (medium temperature) at least by 75 K. The ignition temperature of the dust must be at least 1.5 times higher than the equipment temperature (medium temperature).

If one or more ATEX certified add-on components are installed on the outside of the equipment, then the outside of the product chute will be suited for use in the ATEX zones corresponding with the resulting ATEX category of the added components. The resulting maximum surface temperature of the components must be taken into account to determine the suitability for use in a certain potentially explosive atmosphere.

In case Goudsmit installed the add-on components we have assessed and determined that the mounting of the these components did not introduce new ignition sources. If other parties mount components onto the equipment they should perform a risk assessment and determine that no new ignition sources are introduced.

Waalre, The Netherlands, 27-8-2019

Signature manufacturer:

on behalf of Goudsmit:



Alwin de Bruine,
Compliance engineer