

Statement of Exclusion – SECEX Easy Cleanflow

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: **Easy Cleanflow Magnet series SECE**

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

The mechanical assembly of this device does not have any moving parts other than manually operated slow moving parts or fully enclosed parts. There are no electrical circuits or other parts that would provide effective ignition sources under normal operation, expected malfunction or rare malfunction. The mechanical part of the device is therefore out of scope of ATEX directive 2014/34/EU.

Components mounted on the outside of the equipment are either ATEX certified or accompanied by a declaration they are suitable for use in Ex zones. We have assessed and determined that the mounting of these components does not introduce new ignition sources. The resulting temperature rating of components on the outside of the equipment is T130°C.

The inside of the product chute of the device can be safely used as dust zone 20,21 and 22. The outside of the equipment can be safely used in dust zones 21 and 22, or when the optional proximity switches for magnet detection are installed in zone 22, provided the conditions below are met:

- The ambient temperature range is limited to -10 ... +60°C.
- The device may only be operated with compressed air. The compressed air must not be drawn in from potentially explosive atmospheres.
- It has to be taken into account that exhaust air and leaks may stir up dust deposits, thus resulting in a potentially explosive atmosphere.
- Size of ferromagnetic parts limited to max. 10 mm
- The free-fall height of the product must not exceed 10 m above 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 MΩ. The electrical resistance between equipment and metal product chute, when in direct contact, is usually less than 10Ω. An electrical resistance of less than 25Ω 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 25Ω.
- The smoulder temperature of the dust should exceed the maximum equipment temperature at least by 75 K. The ignition temperature of the dust must be at least 1.5 times higher than the maximum equipment temperature. This temperature is determined by resulting temperature rating of the installed components or the medium temperature.

Waalre, The Netherlands, 3-6-2021

on behalf of Goudsmit:

Signature manufacturer:



Alwin de Bruine,
Compliance Engineer