



## VISIOCOVER™

Patented transparent sanitary cover for direct visual inspection and access to the process - with remote monitoring option

### **VISIOCOVER™ (patented) - Monitor powder flow, fluidization and cleaning**

VISIOCOVER™ is a large transparent cover based on the proven hygienic design of SANICOVER™.

With the embedded camera and lighting option VISIOCOVER™ Cam can provide a highly detailed real-time view of the powder flow and fluidization during operation, and assist the operator in optimizing shut-down and start-up procedures.

### **Direct inspection**

The large transparent cover allows for an unimpeded view of the process. Embedded LED lamps and process side air curtain insure the sight and make the VISIOCOVER™ the ideal solution for visual inspection combined with access to the process.

### **Remote monitoring**

The integrated wide angle camera provides a view in excellent quality of the process to the control room. The operator can during start up get a visual confirmation of the presence of powder or the degree of fluidization.

During normal operation many standard checks on the process can be performed from the control room.

### **Easy to install diagnostic tool**

A modern spray dryer has about 40-60 cleaning covers. The VISIOCOVER™ can replace a standard SANICOVER™ within minutes and continuously monitor and record a section view of the dryer, thereby assisting in root cause clarification and identification of preventive actions.

# VISIOCOVER™

## Sanitary and safe operation

Traditional covers have high collars, many handles and are often difficult to clean properly. The VISIOCOVER™ has a sanitary design completely flush with the flanges on the process side. It is easy to disassemble and the integrated camera and light option is enclosed in a tight system.

## Application

The VISIOCOVER™ can be used in process equipment with non-sticky powders. Relevant locations on a spray drying plant include the static fluid bed, VIBRO-FLUIDIZER™, cyclones, bag filters and ducts.

## Advantages

- Transparent cover
- Embedded LED light option for visual inspection
- Remote monitoring camera option
- Sanitary design based on EHEDG guidelines
- Less manual handling, cleaning and maintenance
- Very easy to replace SANICOVER™

## Specification

- Max. temperature camera: 50 °C / 122 °F
- Max. temperature cover: 120 °C / 248 °F
- Pressure shock resistant at 0.6 bar
- Food grade plastic material
- For installation in Atex Zone 22 (non-process side)
- 3 different sizes: 200, 350 and 450 mm
- Analog camera – PAL signal

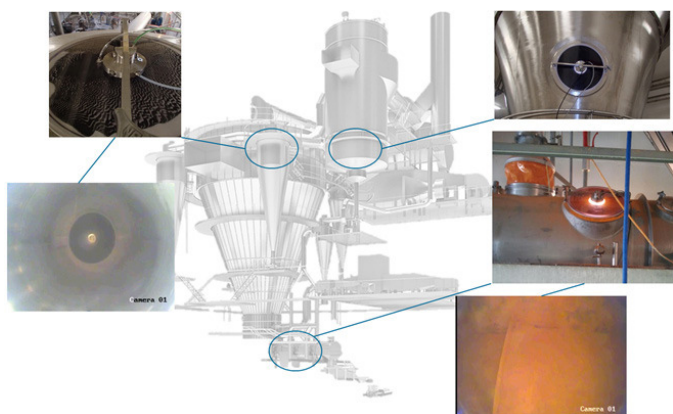


Fig 1: VISIOCOVER™  
Application examples

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## Ordering

VISIOCOVER™ is available in three standard sizes.

Transparent cover with camera, LED light and purge air

Model	Part no.
200 mm VISIOCOVER™ Cam	931865-0001
350 mm VISIOCOVER™ Cam	1159185-0001
450 mm VISIOCOVER™ Cam	879660-0001

Transparent cover

Model	Part no.
200 mm VISIOCOVER™	1074715-0001
350 mm VISIOCOVER™	1159185-0001
450 mm VISIOCOVER™	1159182-0001

## Please note:

The VISIOCOVER™ is made of food grade plastic material in a light amber color and will slowly whiten over time when subjected to alkaline solutions. If this is to be avoided, VISIOCOVER™ is recommended to be removed prior to CIP cleaning.

## Warning:

The VISIOCOVER™ is designed to exclude propagating brush discharges caused by static charge, however to avoid any risk: *The VISIOCOVER™ should not be installed where powder is traveling with a velocity above 10-20 m/s.*

Suppression systems are widely used in spray drying plants. The sensors are normally either pressure or light sensitive. To avoid erroneous activation of a suppressions system: *The VISIOCOVER™ should not be installed in equipment with suppression systems triggered by optical sensors.*