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СУШИЛКИ И УСТАНОВКИ ДЛЯ ОБРАБОТКИ ЧАСТИЦ VISIOCOVER Технические характеристики





VISIOCOVER™

Patented transparent sanitary cover for direct

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.

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 fluids, e.g. Vibro-Fluidizer™, cyclones, bag filters and ducts.

Advantages

- 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
- Food grade plastic material
- Pressure shock resistant at 0.6 bar
- For installation in Atex Zone 22 (non-process side)
- 3 different sizes: 200, 350 and 450 mm
- Analog camera – PAL signal

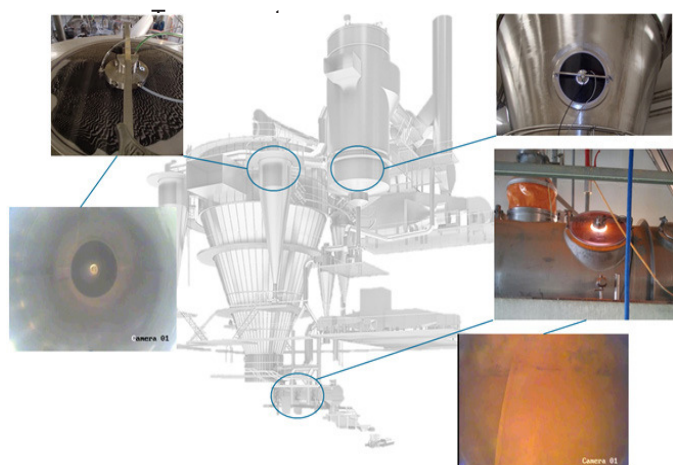


Fig 1:
VISIOCOVER™
Application
examples

Ordering

VISIOCOVER™ is available in three standard sizes.

Transparent cover with camera, LED light and purge air

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

Transparent cover

Model	art 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 travelling 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.

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