



Process Observation & Pressure Relief Products  
For Aseptic & Hygienic Applications

# Aseptic & Hygienic Processing Equipment



**VISILUME's** process observation and pressure relief products are designed to strict industry standards for applications in the pharmaceutical, bioprocessing and food industries. They offer smooth surfaces to avoid product build up, are designed for all sterilisation and cleaning procedures and are fully traceable. Designs and materials conform with FDA regulations as well as the European Pressure Equipment and ATEX Directives.

## Bursting Discs & Sensors

- ⦿ Full compliance with FDA regulations for hygienic service
- ⦿ Smooth surface minimises contamination
- ⦿ Designed to fit standard sanitary connections



## Metaglas<sup>®</sup> Sight Windows

Metaclamp<sup>®</sup> Window for TC Fitting

- ⦿ 3-A Approved.
- ⦿ Polished Stainless steel and Borosilicate glass



Metaclamp<sup>®</sup> Window for Flush Fitting

- ⦿ Flush mount fitting minimises dead-leg for easy cleaning & sterilisation
- ⦿ 3-A Approved



Metaglas<sup>®</sup> to Sterile Standard DIN 11864

- ⦿ Sealing conforms with FDA regulations
- ⦿ Designed to EHEDG guidelines for hygienic equipment



Metaglas<sup>®</sup> Bio-Flange Sightglass

- ⦿ Mount directly onto DIN or ANSI flat-faced Flange
- ⦿ Minimal contamination
- ⦿ O-Ring seal conforms with FDA recommendations



## Elongated Sightglass

- ⦿ Stainless Steel and Borosilicate glass
- ⦿ Radiused base flange for flush internal fit
- ⦿ Counter sunk retaining screws



## Visual Flow Indicators

- ⊙ Polished stainless steel sanitary clamp connections
- ⊙ Internally-flush style
- ⊙ 3-A approved & meets FDA requirements



## Light ports

### Sight & Light Combinations

- ⊙ For TC, Flush Mount or other sanitary fittings
- ⊙ Ideal where space is at a premium & cleanliness vital
- ⊙ Miniature light fitting with smooth stainless steel IP65 housing



### Dedicated Lights

- ⊙ For TC & NA-Connect, DIN 11864 & other sanitary fittings
- ⊙ Smooth Stainless Steel IP65 Housing
- ⊙ For Ex Hazardous areas up to ATEX Zone 1 and safe areas
- ⊙ High efficiency halogen lamps



### LED Light Fitting

- ⊙ Maintenance free operation
- ⊙ Resistant to vibration and impact
- ⊙ Bright but cool light avoids heating product



## Camera System

- ⊙ For safe or Ex Hazardous ATEX Zone 1 areas
- ⊙ Colour Camera with powerful zoom lens
- ⊙ Image Output to standalone monitor, PC or Network
- ⊙ Smooth stainless steel IP65 housing
- ⊙ Compact & easy to mount directly over sight port



## Pressure Vessel Clamps

- ⊙ WG Rathmann quick release clamps
- ⊙ Economic and safe alternative to conventional bolting
- ⊙ For pressure vessels, reactors, filter housings
- ⊙ No drilling of the flange sections
- ⊙ Stainless steel with range of finishes





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