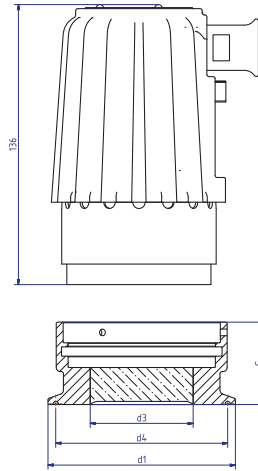


**METACLAMP® Sight glass for clamp fitting for explosion-proof luminaire USL05**



**Applications**

- Compact unit combining the popular LumiGlass USL-05 Ex explosion-proof light with the proven Metaclamp sanitary mounting system. This unit safely illuminates pressurised tanks, pipelines, mixers and any other closed vessels and provides intense, glare-free illumination through a METAGLAS® safety glass lens.

**Advantages**

- Compact design
- Fast and simple installation with no risk of breakage
- Suitable for food processing (A3-Standard)
- Sight glass resistant to catastrophic failure
- Explosion-proof for all explosion classes
- Dust and water-jet resistant (IP65) even during external washdown

**Operating conditions**

- Pressure: -1 to 16 bar
- Temperature: See table
- Temperature: (With light) Up to 60°C

**Ring materials      Temperature (TS)**

1.4462	-30°C to +280°C
2.4602	-60°C to +300°C
2.4610	-60°C to +300°C

**Approvals and technical data**

- Pressure Equipment Directive 2014/68/EU, Module H (DIN/EN/ISO 9001)
- AD2000 Standards W0/TRD 100
- Sight glass fused to metal conforming to DIN 7079
- Materials to VdTÜV specifications and the DIN/EN designated standards
- Glass: borosilicate to DIN 7080 / DIN 7079

**Material certificates**

- Certificate of Conformity to EN 10204-3.1 or 3.2 at a surcharge

**Metaclamp Materials**

- Duplex stainless steel (1.4462)
- Hastelloy C-22 (2.4602)
- Hastelloy C-4 (2.4610)
- Light / USL05-ES
- Operating voltage:
  - 24 V AC/DC – 7.5 W
  - 110-230 V AC – 7.5 W
- Colour temperature: 6500 K
- Luminous flux: 360-430 lm (depending on beam angle)
- Beam angle: 12°; 25°; 38°
- Certification: EU Type Examination Certificate BVS 08 ATEX E 133
- II 2G Ex db IIC T6 Gb
- II 2D Ex tb IIIC T80°C Db

Nominal size			d1	d3	d4	S	Max. operating pressure [bar]
DIN	ISO	ASME BPE					
25/32/40	15/20/25	1", 1½"	50,5	28	43,5	38	16
50	32/40	2"	64	34	56,5	38	16
–	50	2½"	77,5	38	70,5	38	16
65	65	3"	91	50	83,5	38	10
80	80	3½"	106	50	97,0	36	10
100	–	4"	119	55	110,0	37	10