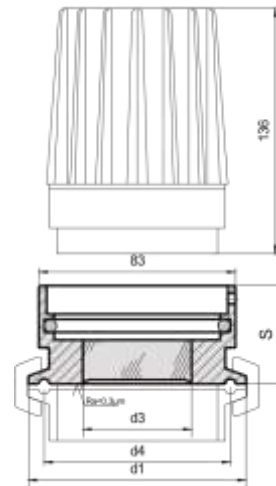


## Type 80.USL05

METACLAMP® for Sanitary Applications & Explosion proof Luminaire USL05



### Applications

- Compact unit combining the popular Lumiglas 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 up to 20W of intense glare free illumination through a Metaglas safety glass lens.

### Advantages

- Compact design
- Fast & 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      Operating temperature

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

### Technical data

Manufactured and tested to:

- Directive for pressure equipment 97/23/EG 02/98, 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 for extra costs

### Sanitary Metaclamp Materials

- Duplex Stainless Steel (1.4462)
- Hastelloy C-22 (2.4602)
- Hastelloy C-4 (2.4610)

### Light / Protection Class

Eex d, flame proof enclosure acc. DIN EN 50 018/VDE 0171

- Explosion Group: IIc (all explosion classes)
- Temperature Class: up to T6 (depending on wattage)

### Operating Voltage

- Without built in transformer:
  - supply 12V: halogen lamp 5W or 20W
  - supply 24V: halogen lamp 20W
- With built in transformer:
  - supply 115V: halogen lamp 5W
  - supply 230V: halogen lamp 5W
- Housing: Corrosion resistant die cast alu., GL-AL Si 10 Mg
- Bulb life: Over 2500 hours
- Dust and water-jet proof IP65 & EN60 529/DIN VDE 0470 part 1

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