

AISI316L Stainless Steel construction
For use in highly corrosive environments
Easy installation and maintenance
Liquid cooling system
Weatherproof standard IP67
Refined and modern design

Stainless Steel Liquid Cooled Camera Housing

129LC Series



■ 129LC + SSBK129LC
Liquid cooled housing with wall mount bracket

Hot and harsh environments require adequate equipment. The 129LC (liquid cooled) series stainless steel camera housing is designed to protect cameras and optics in the most severe applications. This series is conceived to fit cameras that are too small to need a 168LC series camera housing, but need an extra protection for very hot and dirty places, such as ovens and foundries. The front flange is engineered to have an air barrier, useful both to cooling down and keeping the front window clean. To avoid oil and dust particles and to grant clean air for the barrier, a filter battery is available as optional.

The 129LC series camera housings are made by two AISI316L stainless steel tubes close at their ends in a way that a special chamber that allows water or other cooling liquids to cool down the housing.

This camera housing series has been designed with highest quality materials and production processes, paying particular attention on good looking solutions and on mounting and maintenance tasks ease.



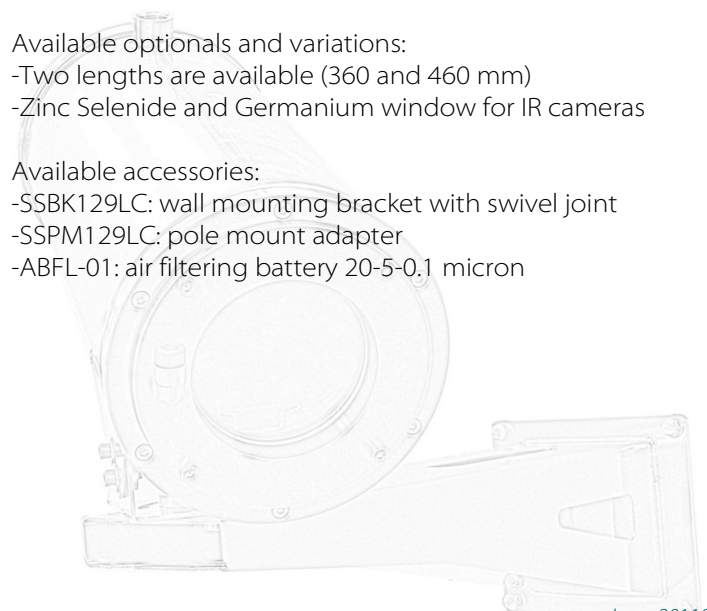
■ 129LC
Internal view

Available optionals and variations:

- Two lengths are available (360 and 460 mm)
- Zinc Selenide and Germanium window for IR cameras

Available accessories:

- SSBK129LC: wall mounting bracket with swivel joint
- SSPM129LC: pole mount adapter
- ABFL-01: air filtering battery 20-5-0.1 micron



Technical Specifications

MODELS

| | |
|-----------------|---------------------------------|
| 129LC* | Housing (Length=360mm) |
| 129LC-L* | Housing (Length=460mm) |
| 129LCIRZ70** | Housing (360mm) for IR viewings |
| 129LCIRZ70-L** | Housing (460mm) for IR viewings |
| 129LCIRG70*** | Housing (360mm) for IR viewings |
| 129LCIRG70-L*** | Housing (460mm) for IR viewings |

- * Usable front window 70mm; thickness 5mm, borosilicate glass (Borofloat), with high chemical resistance and low thermal expansion
- ** Usable front window 70mm; thickness 5mm, Zinc Selenide with AR/AR coating
- *** Usable front window 70mm; thickness 3mm, Germanium with AR/DLC coating; recommended environmental temperature not above 100° C

GENERAL & MECHANICAL

Construction: AISI316L Stainless Steel
Finish: Electro-polished

External Dimensions

| Model | HxW [mm] | L [mm] |
|---------|-----------|--------|
| 129LC | 224,3x175 | 400 |
| 129LC-L | 224,3x175 | 500 |

Internal dimensions, Maximum camera + lens size:

| Model | HxW [mm] | L [mm] |
|---------|----------|--------|
| 129LC | 89x89 | 345 |
| 129LC-L | 89x89 | 445 |

Weight [kg]

| Model | Unit | Package |
|-------------|------|---------|
| 129LC | 13 | 14 |
| 129LC-L | 15 | 16 |
| 129LCIR70 | 13 | 14 |
| 129LCIR70-L | 15 | 16 |

Cable Entry:

2 M20x1,5 threaded holes on the rear flange. Cable glands not included.

TEMPERATURE

Temperature [°C]

| Front window material | Outside | Inside |
|--------------------------------|---------|--------|
| Borosilicate glass (Borofloat) | 200 | 23 |
| Borosilicate glass (Borofloat) | 300 | 33 |
| Borosilicate glass (Borofloat) | 400 | 45 |
| Zinc Selenide | 200 | 23 |
| Zinc Selenide | 300 | 33 |

Temperature tests with about 6 l/min water flow and with about 6 bar air pressure in the front air barrier

Temperature [°F]

| Front window material | Outside | Inside |
|--------------------------------|---------|--------|
| Borosilicate glass (Borofloat) | 392 | 74 |
| Borosilicate glass (Borofloat) | 572 | 92 |
| Borosilicate glass (Borofloat) | 752 | 113 |
| Zinc Selenide | 392 | 74 |
| Zinc Selenide | 572 | 92 |

Temperature tests with about 1,59 US gal/min water flow and with about 6 bar air pressure in the front air barrier

RECOMMENDED MOUNTING ACCESSORIES

| | |
|-----------|--|
| SSBK129LC | AISI316L Stainless Steel wall mounting bracket with swivel joint |
| SSPM129LC | AISI316L Stainless Steel Pole Mount adapter |

CERTIFICATIONS

Weatherproof standard: IP67
CE Compliant

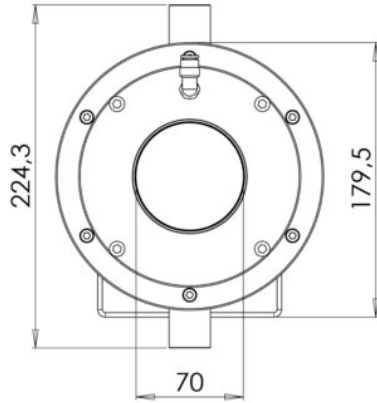
RECOMMENDED SPARE PARTS AND ACCESSORIES

| | |
|---------|--|
| MK129LC | Maintenance Kit with O-ring seals, screws seals, screws, desiccant bags. |
| ABFL-01 | Air filtering battery 20-5-0.1 micron |

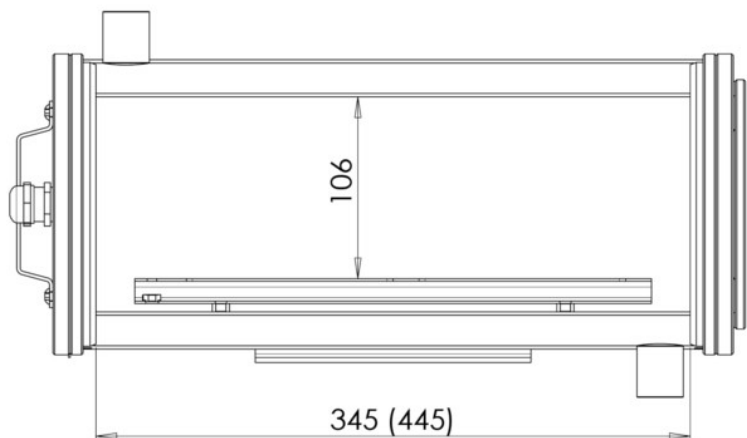
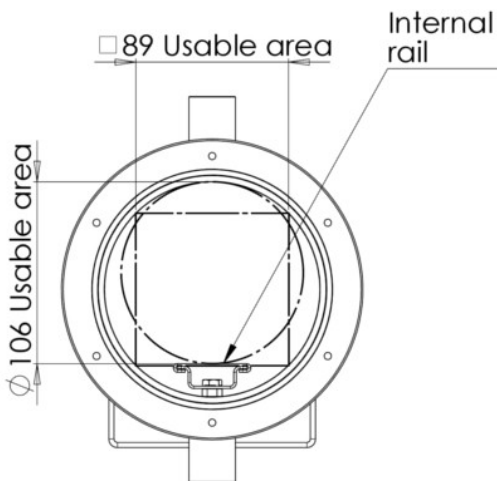
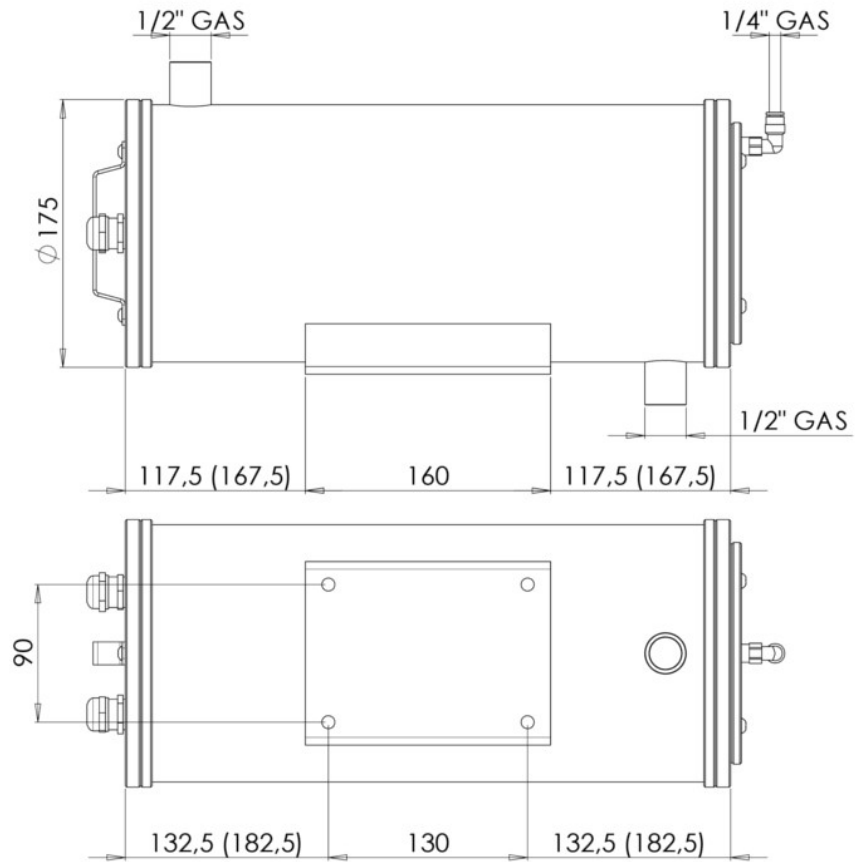


Dimensions

FRONTAL VIEW



SIDE VIEW



Dimensions in millimeters - Tolerances according QMS - Design and product specifications subject to change without notice