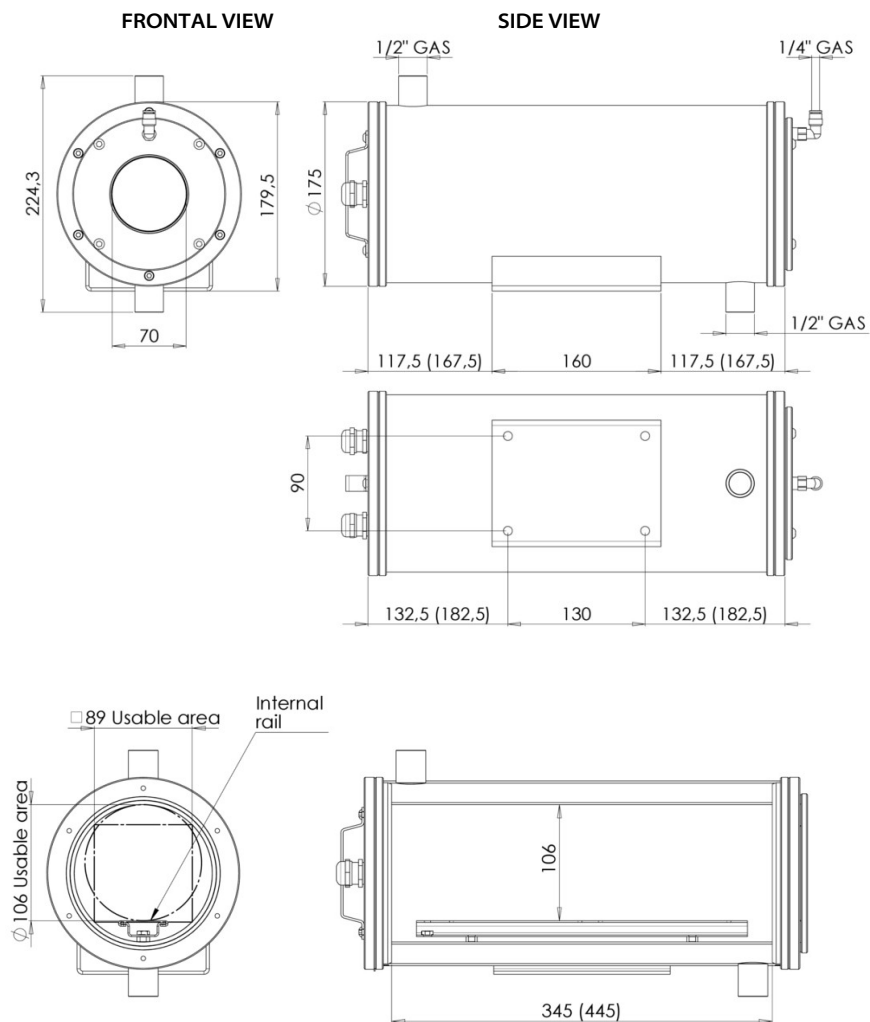


DIMENSIONS



Dimensions in millimetres – Tolerances according QMS – Design and product specifications subject to change without notice

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129LC Series

Liquid Cooled Stainless Steel Camera Housing



Installation manual

DESCRIPTION

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 filtering 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.

MODELS

129LC	Camera housing (L=360mm)
129LC-L	Camera housing (L=460mm)
129LCIRZ70	Camera housing (L=360mm) for IR viewings (Zinc Selenide front window)
129LCIRZ70-L	Camera housing (L=460mm) for IR viewings (Zinc Selenide front window)
129LCIRG70	Camera housing (L=360mm) for IR viewings (Germanium front window)
129LCIRG70-L	Camera housing (L=460mm) for IR viewings (Germanium front window)

INSTALLING THE CAMERA

	Prior to installation and operation, read carefully this manual of instructions.
	Make sure that the place where the housing will be placed can support the housing in normal operating conditions. Make sure the installation is secure (it must be assured at least the support of 3 times its weight).
	No particular maintenance is needed.
	Before performing any operation, turn off the power. Only qualified personnel can perform electrical operations according the regulations in force.
	A device must be installed for isolating the appliance from the power supply with a opening distance between the contacts at least of 3 mm). A 0,1/1 A (230/24 V) blow fuse must also be installed for protection.
	For connection to the mains, use a multipolar cable having minimum 3x0,75 mm ² (18 AWG). The main cable must be at least protected by an ordinary PVC sheath.
	Fasten all the cables inside the housing with cables ties or other fixing means to avoid the electrical contact with surrounding parts in case that terminal blocks screw off.

1. Extract the rear flange by removing the six screws. Be careful not to lose the O-Ring.	
2. Prepare the housing to install the camera, sliding the upper rail away from the lower rail.	

3. Install the camera on the upper rail using the one of the ¼" screws supplied, the plastic washer and one or more spacers to be put under the camera to adjust its height position. Then slide the upper rail back on the lower rail into the housing. Perform the electrical and video connection. Eventually close the rear flange. Tighten the cable glands up to a 8 Nm torque ratio.	
4. Use the screws at the bottom of the housing to fasten the housing to its apposite support.	
5. Perform hydraulic and air connections. For the liquid cooled system there are 2 connectors 1/2" Gas welded on the external tube, while for the air cooled system there is a 1/4" connector with 8 mm tube diameter on the front flange. Preferably water should flow in from the connector at the bottom of the housing.	

	Used electrical, electronic and stainless steel products should not be mixed with general waste. For proper treatment, recovery and recycling of old products, please take them to applicable collection points, in accordance with your national legislation and the Directives 2002/95/EC and 2002/96/EC. By disposing of these products correctly, you will help to save valuable resources and prevent any potential negative effects on human health and the environment which could otherwise arise from inappropriate waste handling. For more information about collection and recycling of old products, please contact your local municipality or your waste disposal service. Penalties may be applicable for incorrect disposal of this waste, in accordance with national legislation.
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Preserve this manual as a reference for future needs.

The manufacturer is not to be held responsible for any damage resulting from failure to observe the installation standards and the instructions contained in the present manual.

The descriptions and illustrations contained in the present manual are not binding. The manufacturer reserves the right to make any alterations deemed appropriate for the technical, manufacturing and commercial improvement of the product, while leaving the essential product features unchanged, at any time and without undertaking to update the present publication.

The manufacturer declines all responsibility for any consequences resulting from improper use of the product, or use which is different from that expected and specified in the present documents.