

Scubacam - Instruction

Surface splash housing

Introduction

The Scubacam range of splash housings are watertight, flexible lightweight camera enclosures for both video and film cameras. They are designed to be operated just above or just below the water surface, or in environment which is very dusty or dirty. Offering the camera operator almost unhindered access to the camera and lens functions.

The Scubacam splash housing for the Arri 435 is made from very hard wearing and robust polyurethane high tenacity polyamide and is sealed with a specialised watertight zip made to the U.K. M.o.D. specifications for sealed zip fasteners. They are welded to the housing making a 100% watertight seal. All the joins and seams of the unit are double stitched and taped both sides for added security. All metal parts are either stainless steel or anodised aluminium.



It is very important to remember that these housing are NOT to be considered as being suitable for prolonged continuous underwater use, and are not an inexpensive replacement for the more expensive professional housings.

General Information

After use, should the housing become discoloured or come into contact with oils, dirt or salt water then it should be carefully washed with saltwater free water, or use a diluted solvent to remove stubborn stains.

The zip is welded to the housing and is therefore permanently attached.

The glues used in manufacture of the splash housing are heat sensitive therefore, do not leave the unit for prolonged periods in direct sunlight or in temperatures in excess of 75 degrees C.

Technical Data

Housing:	Black polyurethane coated onto high tenacity polyamide webbing, and heat sealed to clear viewing windows.		
Dimensions:	Length:	Height:	Width:
Weight:	6,5 kg		
External cables:	1x 15meter cable loom with video output, RCU, lens control and power.		
Leak Alarm:	Tone generator ca. 100db 3x1,5V AA Cell		
Dump Valve:	Apex one way, adjustable exhaust valve.		
Max. wide angle:	14mm		
Max. Depth:	NO MORE THAN 4 METERS!		

General Care

- **Before every use**, carry out a visual inspection of the unit, to determine if there is any damage. For total safety, expel the air, close the zip and submerge. Check for bubbles, remove from water and check for leaks.
- After every use wash the housing with salt water free water, and if necessary wash off any stubborn oil or dirt with a mild detergent. Using the brush applicator on the Zip Care bottle, carefully clean the zip and apply Zip Care as per the instructions. Wax the outer teeth to allow the slider to move freely. Dry the unit before storing for prolonged periods.
- Handle carefully at all times!!!
- Keep away from sharp or pointed objects.
- Do not place on or near hot objects or heat sources.
- Do not crush when storing.
- Do not use strong chemicals when cleaning the unit.
- After every use disconnect the battery from the leak detector.
- When disconnecting or connecting cables to the housing, grip the connectors and do not pull on the cable. Ensure that the connectors are pushed in FULLY as only in this way will the mating connectors be watertight.
- For best results prior to shooting, clean the front port and re-coat with the non stick polymer provided.

Instructions

- Connect the battery to the leak alarm and check it.
- Setup the camera on the sliding bridge with the manual follow focus and carefully introduce this into the housing. Make sure that at no time do you put any strain on the zip by forcing it apart.
- As you slide the camera into position on the camera wedge plate, pull the manual follow focus linkage out to allow the camera to slide forward to the required position. Release the follow focus linkage and locate it into the drive boss on the FF3. Lock the camera into position.
- If you are not using the external cable, ALWAYS have the connector caps in place.
- If you are working in humid conditions, it is advisable to put silica gel sachets in the unit as these will absorb any humidity inside the housing and help prevent “misting up”.
- Before using the Unit FULLY CLOSE THE ZIP by making sure the zip slider is touching the zip end stop.
- Always ensure that there is silicone grease around the end stop do not let it become dry.

Care of Scubacam Splash Housings

Zip Wax:

The Zip wax is half of a two-part process to protect the zip against damage and the elements. At the end of the day prior to storing the unit, clean the zipper with clean water and brush off any debris. Apply the zip wax sparingly onto the outer elements of the zip. Open and close the zip a few times to aid the application of the wax as this will assist the slider to run smoothly over the teeth of the zip.

Zip Care Fluid:

This is the second part of the zip cleaning process. Using the brush applicator on the bottle, clean away any debris from the teeth of the zip. Squeeze the bottle enabling the Zip Care fluid to run along the inner elements of the zip. When storing, always leave the zip open.

Front Polymer:

The front port polymer is a two-part application.

Part one: This is a pre-cleaner which dissolves any oil and solvent that are on the glass, and cleans off any debris.

Part two: This is a special polymer coating which breaks down the “surface tension” of water droplets. The polymer puts a fine clear coating on the glass, when water comes into contact with the port, it will run off and not “stick” to the glass. Apply to the port following the instructions on the bottle. Use frequently for optimum results