



TEST REPORT

Model	STAINLESS STEEL CONNECTION BOX
Manufacture by	AQUA
Test Category	Electrical & quality analysis

DIRECTIONS

Product: Stainless Steel Connection Box

Place of Testing: Aqua Quality Control Center

Date: Periodic re-testing is carried out annually in January to verify continued compliance

GENERAL INFORMATION

Description	Details
Product	Stainless Steel Connection Box
Manufacturer	AQUA
Model	E-244
Material	AISI 316L Stainless Steel
Protection Rating	IP65
Application	Connection box for underwater lights

VISUAL INSPECTION

Inspection Item	Result	Remarks
Stainless Steel Surface Finish	PASS	Smooth finish, free from defects
Cover Plate	PASS	Properly fitted
O-Ring Seal	PASS	Installed correctly
Cable Gland Threads	PASS	No visible damage
Weld Quality	PASS	No cracks or sharp edges
Mounting Surface	PASS	Flat and uniform

DIMENSIONAL VERIFICATION

Inspection Item	Requirement	Result
Cover Dimensions	As per the datasheet	PASS
Cable Entry	Ø1/2" Female Thread	PASS
Bottom Outlet	Ø3/4" Female Thread	PASS

MATERIAL VERIFICATION

Inspection Item	Requirement	Result
Housing Material	AISI 316L Stainless Steel	PASS
Corrosion Resistance	Suitable for Swimming Pool Environment	PASS
Surface Finish	Uniform	PASS

WATERPROOF INSPECTION

Inspection Item	Result
O-Ring Installation	PASS
Cover Tightness	PASS
Cable Gland Sealing	PASS
Visual Water Tightness Inspection	PASS
IP65 Construction Verification	PASS

MECHANICAL INSPECTION

Inspection Item	Result
Cover Installation	PASS
Fastener Tightness	PASS
Thread Quality	PASS
Cable Entry Alignment	PASS
Overall Assembly	PASS

MARKING VERIFICATION

Inspection Item	Result
Product Model	PASS
AQUA Identification	PASS
Material Identification	PASS
Product Finish	PASS

TEST EQUIPMENT

Equipment	Purpose
Vernier Caliper	Dimensional Verification
Thread Gauge	Thread Inspection
Visual Inspection Tools	Surface and Assembly Inspection

Conclusion:

The AQUA Stainless-Steel Connection Box (Model E-244) has successfully passed all visual, dimensional, material, waterproof, and mechanical inspections carried out during the factory quality control process. The product complies with the manufacturer's technical specifications for AISI 316L stainless steel construction, IP65 protection, and watertight sealing using O-ring and cable glands. The equipment is accepted for dispatch and installation.

Result: **PASS.**

Authorized Signature and Company Stamp

AQUA SpA
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