

TEST REPORT

PRODUCT	STAINLESS STEEL 316 PREFILTER
Manufacture by	AQUA
Test Category	Hydraulic performance & Compliance Testing

DIRECTIONS

Product: Stainless steel 316 Iron prefilter

Place of Testing: Aqua Quality Control Center

MATERIAL VERIFICATION TEST

Inspection Item	Acceptance Criteria	Result
Vessel Material	Stainless steel 316 as per approved material specification	PASS
Cover Material	Cast Iron	PASS
Filter Basket Material	AISI 316 Stainless Steel	PASS
Basket Finish	Smooth surface, free from burrs and sharp edges	PASS
Fasteners	Stainless steel 316 -resistant steel	PASS
Gasket Material	Suitable elastomer for water service	PASS
Name Plate	Correct model and identification	PASS
Surface Finish	Uniform casting finish	PASS
Blow Holes	None observed	PASS
Shrinkage Cavities	None observed	PASS
Cracks	No visible cracks	PASS
Cold Shut Defects	Not observed	PASS
Flange Faces	Smooth and flat	PASS
Bolt Holes	Correct quantity and position	PASS
Threaded Ports	Correctly machined	PASS

Inspection Item	Acceptance Criteria	Result
Primer Application	Complete coverage	PASS
Flange Diameter	As per approved drawing	PASS
Bolt Hole Alignment	Correct	PASS
Raised Face Condition	Smooth	PASS
Basket Material	AISI 316 Stainless Steel	PASS
Basket Mesh	Uniform and undamaged	PASS
Weld Quality	Smooth continuous welds	PASS
Basket Fit	Proper seating inside vessel	PASS
Overall dimension	As approved drawing	PASS

COMPRESSED AIR PRESSURE LEAK TEST

Inspection Item	Acceptance Criteria	Result
Test Medium	Clean, Dry Compressed Air	PASS
Test Pressure	6.0 bar	PASS
Pressure Holding Time	10 Minutes	PASS
Pressure Drop	No measurable pressure loss	PASS
Soap Bubble Test	No leakage observed	PASS
Cover Seal	Leak Free	PASS
Flange Joint	Leak Free	PASS
Drain Connection	Leak Free	PASS
Overall Tightness	Acceptable	PASS

Conclusion: All cast iron prefilter models passed the factory compressed-air leak test and visual inspection and are approved for shipment.

Result: **PASS.**

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Authorized Signature and Company Stamp