

# TEST REPORT

|                       |                                           |
|-----------------------|-------------------------------------------|
| <b>Model</b>          | <b>MU-450N-VS</b>                         |
| <b>Manufacture by</b> | <b>AQUA</b>                               |
| <b>Test Category</b>  | Hydrostatic Pressure & Compliance Testing |

## DIRECTIONS

**Product:** Bobbin Wound Sand Filter**Place of Testing:** Aqua Quality Control Center

## TEST RESULTS

| Inspection Item                                 | Requirement                                                                                | Result      |
|-------------------------------------------------|--------------------------------------------------------------------------------------------|-------------|
| <b>Water Pressure Test for Fiberglass Inner</b> | 2 Bar water pressure test for 5 minutes and inspect for bubbling/leakage using foam water. | <b>PASS</b> |
| <b>Fiberglass Inner Leakage Inspection</b>      | After 5 minutes inspect filter lid area; no bubbles or water leakage permitted.            | <b>PASS</b> |
| <b>Finished Filter Pressure Test</b>            | Finished filters pressure tested at 4 Bar.                                                 | <b>PASS</b> |
| <b>Pressure Inspection</b>                      | Inspect filter lid, flange and drain locations using foam water; no leakage permitted.     | <b>PASS</b> |
| <b>Pressure Hold Test</b>                       | Maintain 4 Bar pressure for 15 minutes; inspect lid, flange and drain locations.           | <b>PASS</b> |
| <b>Tank Integrity Inspection</b>                | No leakage, bubbles, deformation or pressure loss after 15 minutes.                        | <b>PASS</b> |
| <b>Outlook Inspection</b>                       | No heat marks, deformation, scratches, black spots; label properly fixed.                  | <b>PASS</b> |
| <b>Assembly Inner System</b>                    | Piping, laterals, screws, T-junction, diffuser and support frame correctly installed.      | <b>PASS</b> |
| <b>Packing Inspection</b>                       | Bubble wrapped, pallet fixed, rope secured and packing instruction followed.               | <b>PASS</b> |

## **DIMENSIONAL INSPECTION**

| Inspection Item             | Requirement                      | Result |
|-----------------------------|----------------------------------|--------|
| Overall Height              | 730 mm $\pm$ 5 mm                | PASS   |
| Filter Diameter             | 450 mm $\pm$ 5 mm                | PASS   |
| Tank Base Width             | 390 mm $\pm$ 5 mm                | PASS   |
| Media Bed Height (H)        | 210 mm $\pm$ 5 mm                | PASS   |
| Overall Assembly Dimensions | Conforms to MU-450N-VS datasheet | PASS   |

Dimensional inspection was carried out on the completed filter assembly. All critical dimensions were verified against the approved MU-450N-VS production drawing and found within acceptable manufacturing tolerances.

**Conclusion:** Model MU-450N-VS (Bobbin Wound Sand Filter) was inspected and tested in accordance with Aqua quality control procedures and found compliant for swimming pool filtration application.

Result: **PASS.**

**Authorized Signature and Company Stamp**

**AQUA SpA**  
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A handwritten signature in blue ink is written over the company stamp. The signature is a stylized, cursive-like name that appears to be "A. Crotti".