

Application:

- RO pre-filtration
- Plating solutions
- Oil water separation
- Condensation filtration
- Petrochemical process
- Power plant water treatment
- Industrial wastewater treatment



Indusries & market sector:

- Domestic and commercial water treatment
- Food & beverage
- Industrial process water
- Irrigation and agriculture
- HVAC and utility systems

String wound filter
PORTUGOTA

Industrial Filtration Solutions



Technical Specification:

| Item | Description |
|----------------------------|------------------------------------------|
| Filter type | string wound sediment filter |
| Filtration media | 100% polypropylene yarn |
| Core material | Polypropylene (standard) |
| Micron ratings (nominal) | 1, 5, 10, 25, 50, 100 μm |
| Standard lengths | 10", 20", 30", 40" |
| Outer diameter | Approx. 2.5" (63 mm) , 4.5" (114 mm) |
| Inner diameter | Approx. 1.1" (28 mm) |
| End connections | DOE(double open end); othres(on request) |
| Max. operating temperature | Up to 60 °C (polypropylene construction) |
| Max. differential pressure | 2.5 bar at 27 °C |
| Recommended change-out | 1.5–2.0 bar differential pressure |
| pH range (PP) | 1 – 13 |

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PORTUGOTA
filtration



String wound filter
Portugota

Our History:

Portugota was created with one clear purpose: to make water safer, cleaner, and more reliable for everyone who depends on it. From the beginning, we focused on polypropylene string wound sediment filters, building our expertise in this single product family so we could offer stable quality, flexible production, and fast delivery. Over time, we invested in modern winding machines, strict quality control, and selected raw materials to guarantee the performance of every filter that leaves our factory.

Description:

Our string wound cartridges are designed for the removal of particles such as sand, rust, silt, and scale from water and other compatible liquids. String wound filters are ideal as a pre-filtration stage in domestic, commercial, and industrial systems, protecting downstream equipment, membranes, and final filters. They are available in multiple lengths (10», 20», 30», 40») and micron ratings to match different flow rates and protection levels.



Key benefits:

- High dirt-holding capacity
- Low pressure drop
- Reliable depth filtration
- Wide chemical compatibility
- No media migration
- Cost-effective protection
- Flexible sizing and ratings

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Add.: Armazém A, Sítio na Estrada Principal,
Nº6 - Campo Raso, 2710-137 Sintra, Portugal
Tel.: +351 21 405 2802
Website: www.portugota.pt
Email: support@portugota.pt