

AQUATOOLS
infection control solutions

AT030173

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US CAPSULE FILTER WITH QUICK CONNECTIONS
4 MONTHS



INLINE FILTERS are strongly recommended to ensure and deliver water free of waterborne pathogens found in water system (*Legionella pneumophila*, *Pseudomonas aeruginosa*, *Aspergillus*, etc).

As disposable water filters, Capsule Filters are suitable for delivering water upstream from ice machine, drinking water fountain or bath tub.

The Inline Filter is a **sterilizing grade cartridge filter** combining a 1.0 µm prefilter and a 0.2 µm membrane. This **prefiltration** provides reliability and permits an extended life-time up to 4 months.

TECHNICAL SPECIFICATIONS

- Component cartridge materials in accordance with **FDA Indirect Food Additive requirements** cited in 21 CFR 177-1655.
- Sterilizing-grade cartridge filter validated according to the **ASTM F838-05** with microbial challenge testing
- No adhesives, binders, or surfactants are used in the manufacturing process
- Filter intended for a maximum incoming water pressure of 75 psid (@ 77 °F) and a maximum incoming temperature of 179 °F.

Characteristics	CAPSULE FILTER
Device material	Polypropylene (PP)
Membrane material	Hydrophilic Polyethersulfone (PES)
Pre-filter material	Glass fiber
Filtration surface area	1380 cm ²
Bacterial retention	> log 7 (B Diminuta)
Pore size	Pre-filter 1 µm + 0.2 µm
Maximum operating pressure	Liquid : 5.5 bar (80psi) at 72°F/22°C Gas: 4.1 bar (60psi) at 72°F/22°C
Minimum burst pressure	8.3 bar (120psi) at 72°F/22°C
Maximum forward differential pressure	4.1 bar (60psi) at 77°F/25°C
Maximum reverse differential pressure	2.1 bar (30psi) at 77°F /25°C
Maximum operating temperature	176°F/80°C
Maximum flow rate	15 LPM (4 GPM) at 77°F/25°C
Maximum volume filtered	6,480 liters / 1,712 gallons*
Inlet / Outlet connections	¼" quick connect
Expected life-time	4 months

* Depends on the water quality

Outer diameter	73 mm 2.70"
Capsule body length	98 mm 3.86"
Overall capsule length	135 mm 5.3"

INSTALLATION INSTRUCTIONS

Recommendations

- Prior handling a new filter, hands must be cleaned. Inappropriate installation may result in a source of contamination or retrograde contamination.
- Make sure that individual unit packaging is not punctured or torn and that the filter is not damaged. If this is the case, do not use the device as the performance can no longer be ensured.

Installation

1. Carefully open the packaging
2. Turn off the water supply valve and fix the filter outlet onto the hose with seal* followed by the filter inlet according to the type of connection (see connection information below)
3. Place the filter in a vertical position, ensure the arrow on the filter match the water flow direction
4. Note the installation date

*Not included


Operation

1. Slowly fill the filter with fluid to purge the air trapped
2. Once the air is exhausted, slowly tighten the vent and start filtering
3. Check the absence of leakage between hoses and the faucet filter
4. Do not exceed max. operating pressure and the expiration date noted on the packaging

Replacement

- The inline filter should be changed every 4 months. If the flow rate degrades significantly earlier, the filter should be replaced.
- Turn off the water supply, disconnect the outlet filter followed by the filter inlet.
- The used filter is considered as household waste and can be disposed according to the procedures of the establishment.



CONNECTION INFORMATION

What type of outlet I have?	What do I need?	Quick connectors
55/64"-27 Male threading	2 Quick Connectors 55/64"-27 Female thread aqua-tools Product code AT030325	

See our couplings documentation for more threading combinations

For other type of outlet, please refers to **40 Series Quick Connects** in Nordson Medical Catalog (<https://www.nordsonmedical.com/>)

Few exemples above:

¼" Hose (tubing)	2 Quick Connectors ¼" Inline Hose Barb Socket Nordson Product code 40 ACV-SB2-04	
¼" NPT Female threading	2 Quick Connectors ¼" Male Thread Socket Nordson Product code 40 ACV-SB1-04	

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