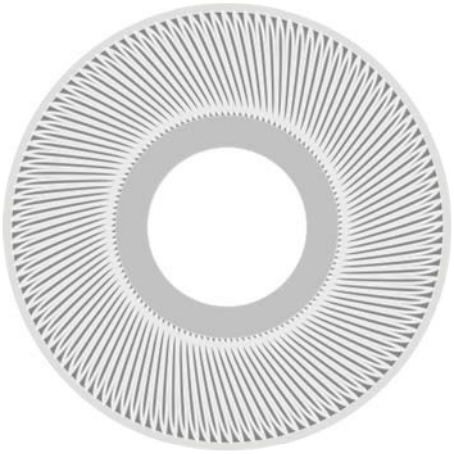
High efficiency in bacteria retention

Nylon 66 membrane
Pre-flushed with DI non pyrogenic water
Individually integrity tested before packing

ABSO NY

N66 nylon for enhanced bio-reduction performance and submicron particle removal

ABSO NY cartridges are made of inherently hydrophilic N66 membrane, specifically designed for bio-reduction and final filtration of pharma solutions. The N66 membrane has an uniform pore distribution, repeatedly from batch to batch and the efficiency can be verified through integrity test.
The use of thermo-bonding and ultrasound bonding processes in assembly without the use of resins or adhesives reduces the level of extractables and makes the whole component compact and resilient. Manufactured in clean room and individually tested to verify integrity before packing.



ABSO NY

100% inherently hydrophilic, no surfactants or wetting agents

TECHNICAL SPECIFICATIONS

- N66 membrane, uniform filtration across the entire surface, non-fiber migration
- Absolute retention ratings, high margins of operational safety
- pre-flushed with DI non pyrogenic water (<0.25 EU/ml)
- Manufactured in clean room
- All materials meet FDA CFR 21; Plastics compliant with USP Class VI "Plastic Biosafety"
- In compliance with the EU regulation for food contact in EC Countries (10/2011 + amendments; 1935/2004;1895/2005)
- 100% tested for integrity prior to packing

OPERATING CONDITIONS

Max operating pressure (Δp) **Recommended replacement pressure drop**	80°C @ 1.0 bar 20°C @ 5.0 bar 2.0 bar @20°C
Suggested operating pressure range	0.1 to 1.0 bar

PORE SIZE RATING & TYPICAL DATA

0.2um – 0.45um – 0.65um

Membrane Retention Efficiency - 350l/h/10"	**Microbial Titer Reduction (T_R) ASTM F 838-05**
>99.99 %	$T_R > 10^7$ cm^2 // 0.2um [Brevundimonas Diminuta]
>99.99 %	$T_R > 10^7 / cm^2$// 0.45um – 0.65um [Serratia Marcescens]

FLOW RATE

Water Flow 20°C @0.1 bar /10"	0.20um	0.45 um	0.65um
Typical Flow Rate	7 L/min	12 L/min	15L/min

Extrapolation for multiple housings and higher pressure drops is acceptable, but as flows increase the pressure drop of the housing becomes more apparent

FILTRATION AREA

0.6m^2/10"

SANITIZATION

Steam : 125°C/30mins – Hot Water : 80°C/30mins – Autoclave : 121°C/30mins

MATERIALS OF CONSTRUCTION

Filtering media	Nylon 66
Supports	Polypropylene
Inner sleeve	Polypropylene + ss316 insert
Connections and tip	Polypropylene
Gaskets	Silicone (standard), EPDM, Viton, FEP

SEALING

Ultrasound / Heat sealing

DIMENSION

Length	254mm (10")-508mm (20")-762mm (30")-1016mm (40")
Outer diameter	69mm
Inner diameter	26mm

TRACEABILITY

Each filter element is identified by a lot number for complete traceability.