

An Overview of Pall Filtration Products

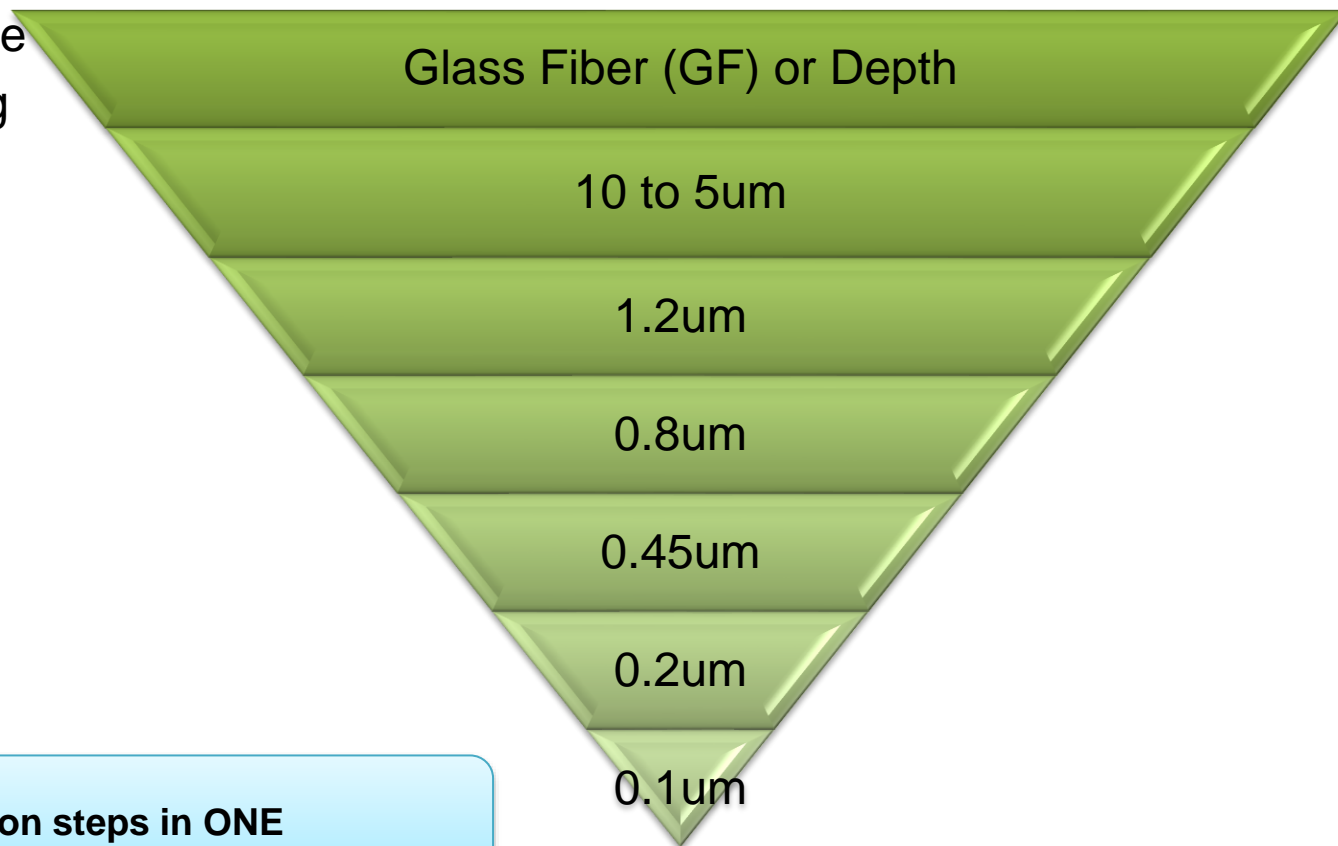
Because Good Ideas Filter Through



Microfiltration Pore Sizes

- Pore size is specific to application or use
 - Pore size is for what they are filtering
 - EFA is for how much

 - 0.8um+ → pre-filter
 - 0.8um to 0.45um → clarify
 - **0.2um → sterile filter**
 - 0.1um → mycoplasma reduction



Dual layer membrane can accomplish TWO filtration steps in ONE

Micro Filtration Filter Family by EFA

- Generally ... we have the same filters in multiple EFA sizes.
 - Find the Application or Need, then match the correct size filter.



Acrodisc
<150mL



Acropak 20
<2L



AcroPak 200
<20L



AcroPak 500
<50L



AcroPak 1000
<100L



AcroPak 1500
<150L



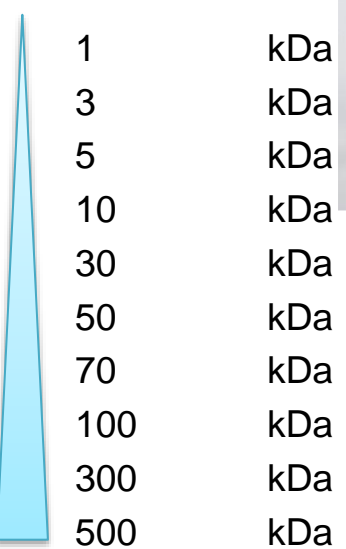
Same membrane, same pore size, same materials = same performance

Identify the need & then match the size



Ultra Filtration (MWCO) Filter Family

- Generally ... we have the same filters in multiple sizes.
 - Find the Application or Need, then match the correct size filter.



NanoSep
<0.5mL



MicroSep
<5mL



MacroSep
<20mL



JumboSep
<60mL



Minimate
<500mL



Centramate
<5L*



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Identify the need & then match the size



NAB Products for Nucleic Acid Isolation

- Dual layer glass fiber membrane with increased binding capacity
- Smooth flow
- Rapid sample processing
- Efficient binding of both DNA and RNA
- Can purify fragments as small as 50bp



Maximum yields and quality of nucleic acid purification

- New outlet tip geometry provides direct flow of samples into receiver plate without concerns of cross contamination
- Silica-based quartz glass fiber media to allow for efficient binding of DNA and RNA, while providing smooth flow and rapid processing of samples
- Manufactured in accordance with specifications for the Society of Biomolecular Screening (ANSI/SBS x-2004) for multi-well plates allowing entire DNA purification process to be performed on automated equipment

In-Field Sampling Made Easier—MicroFunnel® Filter Funnels and Sentino Pump

- **Membranes ideal for sample concentration:** The 0.4 um pore size and smooth surface balance superior flow rate with easy collection for microscopic evaluation or subsequent elution of the organisms or particulates for further analysis.
- **Portable pump design:** Small footprint and battery operation option enable use in the field to immediately collect and filter waste water or other environmental water samples. Peristaltic action means one-directional flow for reduced back-up contamination.
- **Single-use disposables reduce contamination:** Both filter funnels and the pump fluid path are available sterilized and ready-to-use. Easy to carry in-field in original packaging to maintain sterility and protect from particulates or other environmental gross contamination until use—all with the usual benefits of time and resources saved to clean, wrap and sterilize in house.
- **Funnels designed for use:** Whether at the bench or in-field, individual blister packs contain all product information for easy record-keeping. An easy squeeze is all that is needed to remove the funnel top and access membrane once filtration is complete.
- **Simple and regulatory compliant:** Easy to use—soft-touch keypad with “on”, “off” or “pulse”. Easy to clean construction with smooth surfaces and compatibility with standard cleaning protocols. Fixed filtration parameters that meet Membrane – with no programming required.

