

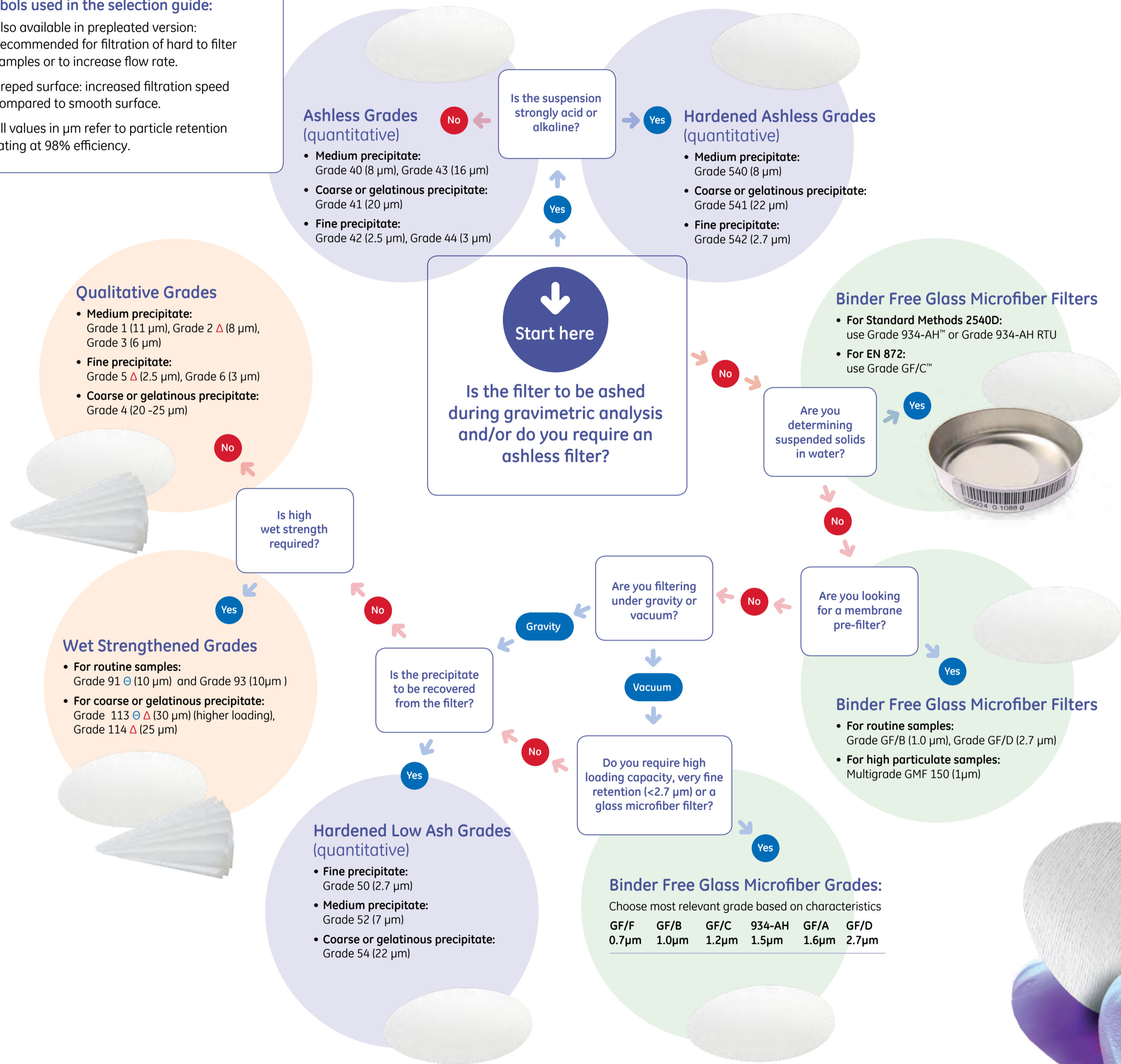
# A guide to laboratory filtration

Select the optimal Whatman™ filter for your application - Whatever you need to filter, Whatman has it covered.

## Cellulose and glass filter papers for general laboratory filtration

### Symbols used in the selection guide:

- △ Also available in prepleated version: Recommended for filtration of hard to filter samples or to increase flow rate.
- ⊙ Creped surface: increased filtration speed compared to smooth surface.
- μm All values in μm refer to particle retention rating at 98% efficiency.



## Filtration devices for small volume sample preparation

- Step 1: Choose application  
Step 2: Choose appropriate filter

**Start here**

**Applications**

- Air venting
- Automated filtration of samples/Tablet dissolution testing
- Biological sample preparation
- Capillary electrophoresis
- Difficult to filter samples (high solid content samples)
- Filtration of colloidal material
- HPLC/UHPLC sample preparation
- Ion-chromatography
- Filtration of protein containing samples
- Filtration of nano particles
- Sterile filtration (use sterile filter and membrane with pore size 0.2 μm)
- COD/TOC/DOC
- Trace metal analysis (ICP/AAS/ICP-MS)
- UV/VIS analysis

COD = Chemical oxygen demand;  
TOC = Total organic carbon;  
DOC = Dissolved organic carbon  
Note: For guidance only. Only a selection of applications shown above



### Need to speed up and simplify filtration? Consider Whatman GD/X™ and Mini-UniPrep ranges

- GD/X - syringe filter**  
Multilayer construction provides easier filtration of high particulate samples
- Mini-UniPrep filter vial and multi compressor**  
All in one filtration of up to 8 HPLC samples in parallel




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