

# 934-AH™ RTU Glass Microfiber Filters

The filter you trust most just got better.

Whatman 934-AH, one of the most widely used filters for Total Suspended Solids Analysis, is now available in a time-saving, Ready-To-Use (RTU) format.

The 934-AH RTU contains the trusted binder-free, high purity borosilicate glass microfiber filter mentioned in Standard Methods. Now it comes pre-washed and pre-weighed. This eliminates filter pre-treating and streamlines your laboratory process. Each RTU filter is packaged within an aluminum pan with the filter weight clearly printed on a heat resistant label.

## Features and benefits

- **Fast and convenient:** Use the pre-washed, pre-weighed filter immediately – no need to pre-treat.
- **Efficient:** Superior fine particle retention at high flow rates.
- **High loading capacity:** Capable of processing very turbid samples.
- **High temperature tolerant:** Can be used with temperatures up to 550°C.

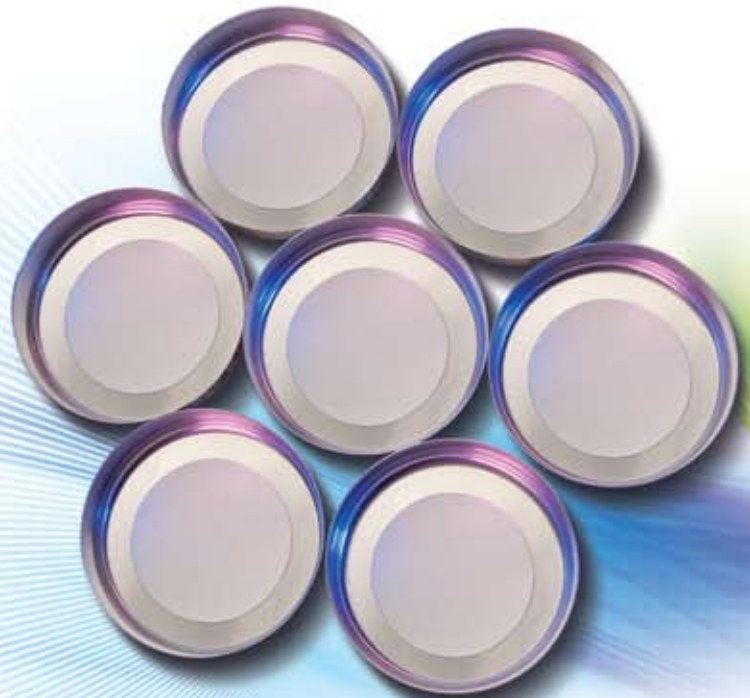
## Learn more

To learn more about the 934-AH RTU and view an interactive demonstration, **visit our web site at [www.whatman.com/934AHRTU](http://www.whatman.com/934AHRTU)**.

## Applications

The 934-AH RTU meets the requirements under the latest edition of Standard Methods 2540D for determining total suspended solids in water. It is used for a wide range of water monitoring applications including:

- Monitoring of rivers, lakes and coastal waters
- Purified discharge of wastewater treatment plants
- Monitoring discharge water from industrial plants



## Ready-To-Use (RTU) work flow



Each pre-treated filter comes in an aluminum pan, with the filter weight clearly noted.

First, place the 934-AH RTU on the funnel of the vacuum filtration apparatus and seal the filter to the funnel by wetting with a small amount of water. Then, filter your sample<sup>1</sup> and finally, wash the filter with three aliquots of 10 ml reagent grade water.

Remove the filter, return it to the aluminum weigh pan and dry it to constant weight at 103°C to 105°C. To obtain the weight of total suspended solids, subtract the weight of the filter indicated on the pan label from the final weight.

<sup>1</sup>Sample volume should be chosen to yield between 2.5 mg and 200 mg of dried residue. See Standard Methods 2540D for details.

## Typical properties

| Grade      | Description        | Surface | Particle retention in liquid (µm) | Filtration speed Herzberg (s/100 ml) | Wet burst (inches/water) | Typical thickness (µm) | Basis weight (g/m <sup>2</sup> ) |
|------------|--------------------|---------|-----------------------------------|--------------------------------------|--------------------------|------------------------|----------------------------------|
| 934-AH RTU | Fast, high loading | Smooth  | 1.5*                              | 47                                   | 17                       | 435                    | 64                               |

\* Particle retention rating at 98% efficiency

## Whatman catalog ordering information – 934-AH RTU

| Dimensions (mm) | Item Number | Quantity/Pack |
|-----------------|-------------|---------------|
| 42.5            | 9907-042    | 100           |
| 47              | 9907-047    | 100           |
| 55              | 9907-055    | 100           |
| 90              | 9907-090    | 100           |
| 110             | 9907-110    | 100           |

[www.whatman.com/934AHRTU](http://www.whatman.com/934AHRTU)

GE Healthcare Bio-Sciences Corp.  
800 Centennial Avenue  
Piscataway, NJ 08855-1327 USA

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