

## Whatman filter paper n.40 ashless - flat discs diam. 110 mm

### grade 40:8 one

Whatman quantitative filters are designed for gravimetric analyzes and for the preparation of samples for instrumental analyzes.

They are available in three versions to meet all specific needs:

- Ash-free (max content 0.007%) -grade 40-41-42-43-44-589 / 1-589 / 2-589 / 3
- Hardened with low ash content (max 0.015%) - Grade 50-52-54
- Hardened without ash (max 0.006%) - Grade 540-541-542



### Grade 40: 8 µm

The classic ashless general purpose filter paper with medium speed and retention capacity.

Typical applications include gravimetric analysis for numerous compounds in cements, clays, iron and steel products; as a primary filter for the separation of solid materials from aqueous extracts in general soil analysis, for the quantitative determination of sediments in milk and as a simple analytical grade filter for the purification of solutions prior to AA spectrophotometry.

It is also used as a high purity filter for the collection of trace elements and radionuclides from the atmosphere.

### Technical features

Nominal retention of particles in liquids (at 98% efficiency)	8 µm
Nominal thickness	210 µm
Typical water flow	25 ml / min
Nominal base weight	95 g / m <sup>2</sup>
Nominal air flow	21 s / 100 ml / in (for 9 cm diameter)
Nominal ash content	0.07%
(determined by incinerating the filter at 900 ° C in the air)	
Material	High quality cotton linters
Typical levels of trace elements	Aluminum 2.5 µg / g Antimony
Format	Discs
Pieces per pack	100 pieces

Code	Description
481440110	Whatman filter paper n.40 ashless - flat discs diam. 110 mm