

# BOECO FILTER PAPERS

## QUANTITATIVE FILTERS

quantitative ashless filter papers are recommended for quantitative analysis. As quantitative analysis requires a high purity, these filters are being washed out with acid



### 388 - black spot - fast filtering, wide pores, ashless hardened

For coarse and voluminous precipitates such as iron-aluminium and chromium hydroxide; Si-determination in steel and pig iron analysis

Basis weight: 84 g/m<sup>2</sup>  
Filtration velocity: 10 ml / 10 seconds  
Typical pore size: 12 - 15 µm  
Similar to: S&S 589/1, M-N 640w

Diam.	Code	Grade/Description	Pack of
55 mm	FTR 3.101.055	388 / Filter discs. Black dot	100
70 mm	FTR 3.101.070	388 / Filter discs. Black dot	100
90 mm	FTR 3.101.090	388 / Filter discs. Black dot	100
110 mm	FTR 3.101.110	388 / Filter discs. Black dot	100
125 mm	FTR 3.101.125	388 / Filter discs. Black dot	100
150 mm	FTR 3.101.150	388 / Filter discs. Black dot	100
185 mm	FTR 3.101.185	388 / Filter discs. Black dot	100
240 mm	FTR 3.101.240	388 / Filter discs. Black dot	100

### 389 - white spot - medium fast filtering, medium wide pores, ashless hardened

Typical grade for quantitative tasks, coarser precipitates, such as lead-, iron and silver sulphide alkali carbonates, food stuff and soil analysis

Basis weight: 84 g/m<sup>2</sup>  
Filtration velocity: 10 ml / 20 seconds  
Typical pore size: 8 - 12 µm  
Similar to: Whatman 41, S&S 589/2, M-N 640m



Diam.	Code	Grade/Description	Pack of
55 mm	FTR 3.102.055	389 / Filter discs. White dot	100
70 mm	FTR 3.102.070	389 / Filter discs. White dot	100
90 mm	FTR 3.102.090	389 / Filter discs. White dot	100
110 mm	FTR 3.102.110	389 / Filter discs. White dot	100
125 mm	FTR 3.102.125	389 / Filter discs. White dot	100
150 mm	FTR 3.102.150	389 / Filter discs. White dot	100
185 mm	FTR 3.102.185	389 / Filter discs. White dot	100
240 mm	FTR 3.102.240	389 / Filter discs. White dot	100

### 392 - red spot - medium to slowly filtering, medium tight, ashless hardened

Fast filtration of fine precipitates such as calcium oxalate, magnesium ammonium phosphate, coarser forms of barium sulphate

Basis weight 84 g/m<sup>2</sup>  
Filtration velocity: 10 ml / 50 seconds  
Typical pore size: 5 - 8 µm  
Similar to: Whatman 43, S&S 589/5, M-N 640md

Diam.	Code	Grade/Description	Pack of
55 mm	FTR 3.105.055	392 / Filter discs. Red dot	100
70 mm	FTR 3.105.070	392 / Filter discs. Red dot	100
90 mm	FTR 3.105.090	392 / Filter discs. Red dot	100
110 mm	FTR 3.105.110	392 / Filter discs. Red dot	100
125 mm	FTR 3.105.125	392 / Filter discs. Red dot	100
150 mm	FTR 3.105.150	392 / Filter discs. Red dot	100
185 mm	FTR 3.105.185	392 / Filter discs. Red dot	100
240 mm	FTR 3.105.240	392 / Filter discs. Red dot	100

### 390 - green spot - slowly filtering, narrow pores, ashless hardened

Filtration of fine precipitates such as lead dioxide, calcium fluoride nickel sulphide, zinc sulphide

Basis weight: 84 g/m<sup>2</sup>  
Filtration velocity: 10 ml / 100 seconds  
Typical pore size: 3 - 5 µm  
Similar to: Whatman 40, S&S 589/6, M-N 640d



Diam.	Code	Grade/Description	Pack of
55 mm	FTR 3.103.055	390 / Filter discs. Green dot	100
70 mm	FTR 3.103.070	390 / Filter discs. Green dot	100
90 mm	FTR 3.103.090	390 / Filter discs. Green dot	100
110 mm	FTR 3.103.110	390 / Filter discs. Green dot	100
125 mm	FTR 3.103.125	390 / Filter discs. Green dot	100
150 mm	FTR 3.103.150	390 / Filter discs. Green dot	100
185 mm	FTR 3.103.185	390 / Filter discs. Green dot	100
240 mm	FTR 3.103.240	390 / Filter discs. Green dot	100

### 391 - blue spot - very slowly filtering, fine pores, ashless hardened

Fine-grained precipitates such as barium sulphate, metannic acid, cupros oxide

Basis weight: 84 g/m<sup>2</sup>  
Filtration velocity: 10 ml / 180 seconds  
Typical pore size: 2 - 3 µm  
Similar to: Whatman 44, S&S 589/3, M-N 640de



Diam.	Code	Grade/Description	Pack of
55 mm	FTR 3.104.055	391 / Filter discs. Blue dot	100
70 mm	FTR 3.104.070	391 / Filter discs. Blue dot	100
90 mm	FTR 3.104.090	391 / Filter discs. Blue dot	100
110 mm	FTR 3.104.110	391 / Filter discs. Blue dot	100
125 mm	FTR 3.104.125	391 / Filter discs. Blue dot	100
150 mm	FTR 3.104.150	391 / Filter discs. Blue dot	100
185 mm	FTR 3.104.185	391 / Filter discs. Blue dot	100
240 mm	FTR 3.104.240	391 / Filter discs. Blue dot	100

### 393 - purple spot - particularly slow filtering, especially fine pores, ashless hardened

For extremely difficult filtration conditions and particularly fine precipitates

Basis weight: 100 g/m<sup>2</sup>  
Filtration velocity: 10 ml / 250 seconds  
Typical pore size: 1 - 2 µm  
Similar to: Whatman 42

Diam.	Code	Grade/Description	Pack of
55 mm	FTR 3.127.055	393 / Filter discs. Purple dot	100
70 mm	FTR 3.127.070	393 / Filter discs. Purple dot	100
90 mm	FTR 3.127.090	393 / Filter discs. Purple dot	100
110 mm	FTR 3.127.110	393 / Filter discs. Purple dot	100
125 mm	FTR 3.127.125	393 / Filter discs. Purple dot	100
150 mm	FTR 3.127.150	393 / Filter discs. Purple dot	100
185 mm	FTR 3.127.185	393 / Filter discs. Purple dot	100
240 mm	FTR 3.127.240	393 / Filter discs. Purple dot	100