



## “LQ” Filter Cardboards

Filter media made from pure cellulose and cotton linters, manufactured in a single layer, available a wide range of different weights from 250 to 720 g/m<sup>2</sup> . Thicknesses can vary from 0,63 to 1,9 mm to satisfy the demand of several application in industrial processes.

The table shows the most typical applications in relation to the intrinsic characteristics of each individual model

- LQ 25 – 250 g/mq thickness 0,63 mm  
Strong cardboard with fast filtration used on viscous liquids or with coarse contaminant in the sector of resins, inks and lacquers
- LQ 34 – 340 g/mq thickness 0,82 mm  
Cardboard with good mechanical characteristics when wet, medium velocity of filtration, suitable for aqueous fluids in chemical, electroplating and pharmaceutical sectors, typically used to remove fine particles, residual of activated carbon and for mineral and alimentary oils
- LQ 40 – 400 g/mq thickness 1,20 mm  
Softer, faster and more porous cardboard compared to the previous one used on viscous liquids as resins and varnishes in the chemical industry and sugar solutions or oils in the food industry
- LQ 44 – 440 g/mq thickness 1,00 mm  
Specially designed for olive oil and to other edible fluids such as spirits and soft drinks. Also suitable for many other industrial applications
- LQ 47 – 470 g/mq thickness 1,20 mm  
It combines a reasonable mechanical strength together with a good filtration velocity. Essentially dedicated to the filtration of extra virgin oil, also successfully employed in pharmaceutical and cosmetic sectors
- LQ 60 – 600 g/mq thickness 1,60 mm  
Soft and strong enough for the filtration of refined olive or vegetable oil, good also for medium viscosity liquids in the sector of paint and resins
- LQ 65 – 650 g/mq thickness 1,60 mm  
Stronger and more selective than the previous one, it is used in chemical-pharmaceutical sector to capture fine particles and almost total removal of carbon powder
- LQ 72 – 720 g/mq thickness 1,90 mm  
Same density of LQ 60 but higher weight and thickness, suitable for the same applications it offers a better efficiency in the range of fine particles



## TYPICAL BEHAVIOUR

The contaminant capture is essentially due to the physical interception of the particles, negligible is the absorption effect because the media does not contain diatomaceous earth. Main applications are:

- **Solid/liquid separation**  
This is the most common application for industrial process
- **Liquid/liquid separation**  
One of the features of cellulose is to be highly hydrophilic. The result is a dramatic retention of the water present in oily fluids whether alimentary or not
- **Liquid/gas separation**  
Oil and water mist capture in gas service
- **Solid/gas separation**  
Particles elimination from air and gas in general

### "LQ" FILTER CARDBOARDS STANDARD DIMENSIONS

#### LQ25

Disks dia cm 20,3 hole  $\emptyset$  cm 3,3  
Disks dia cm 25,6 hole  $\emptyset$  cm 5,0  
Disks dia cm 29,5 hole  $\emptyset$  cm 5,0

#### LQ34

Disks dia cm 19,5 hole  $\emptyset$  cm 6,0  
Disks dia cm 20,0 hole  $\emptyset$  cm 3,3  
Disks dia cm 20,0 hole  $\emptyset$  cm 5,0  
Disks dia cm 20,5 hole  $\emptyset$  cm 3,3  
Disks dia cm 25,6 hole  $\emptyset$  cm 5,0  
Disks dia cm 29,5 hole  $\emptyset$  cm 5,0  
Disks dia cm 38,0 hole  $\emptyset$  cm 6,0  
Disks dia cm 46,0 hole  $\emptyset$  cm 10,0  
cm 30,5x53,8 - 2 holes  
cm 31,0x31,0 - 1 hole  
cm 32,0x32,0 - 2 holes  
cm 32,0x32,0 - 4 holes  
cm 40,0x40,0

#### LQ44

cm 40,0x40,0  
cm 60,0x61,0  
cm 80,0x80,0 - 1 hole

#### LQ47

cm 40,0x40,0  
cm 32,0x32,0 - 2 holes  
cm 32,0x32,0 - 4 holes

Various dimensions, different outer and hole diameters available upon customer request

A DETAILED DATA-SHEET OF EACH INDIVIDUAL PRODUCT IS AVAILABLE



Filterflo S.r.l.  
Via Copernico, 2/4  
20082 Binasco MI

Tel. +39 02 90091439  
Fax +39 02 90096393  
e-mail: [filterflo@filterflo.net](mailto:filterflo@filterflo.net)