



 SWISS QUALITY.  
SINCE 1938



**Innovative and reliable solutions for  
the quality-conscious craft brewer**

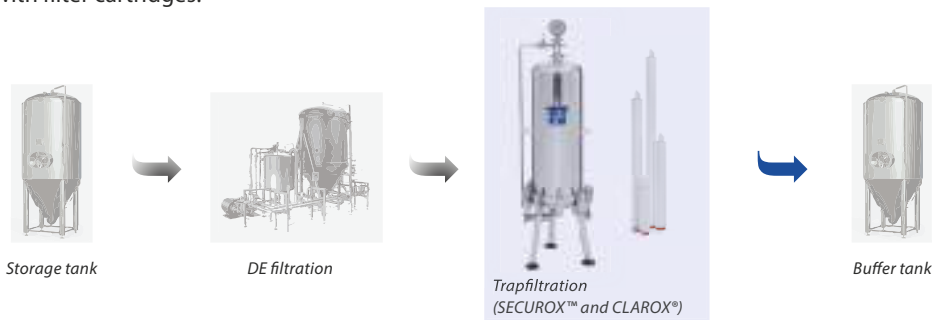
## The FILTROX Group - Over 80 years of experience in liquid filtration.

Since the foundation of FILTROX, one of the areas of expertise for the company has been beer filtration.

Based on our long-term experience and know-how in the field of depth filtration, we offer with our filter apparatus and filter media innovative and reliable solutions for all areas of liquid filtration. The FILTROX Group is proud to offer you a strong partner for all filtration needs of the quality-conscious brewer, as well as being a supplier for many renowned breweries worldwide.

Example processes for beer clarification with FILTROX solutions:

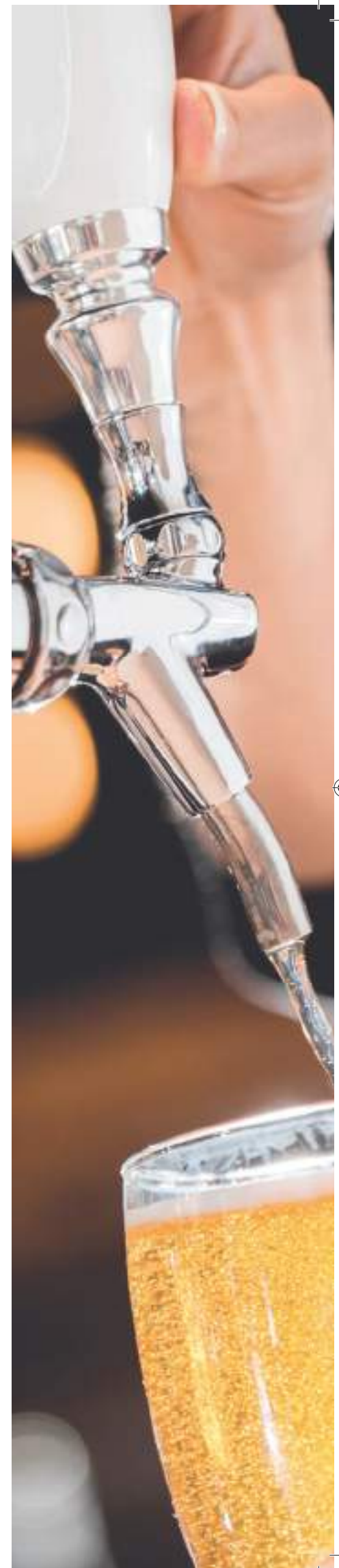
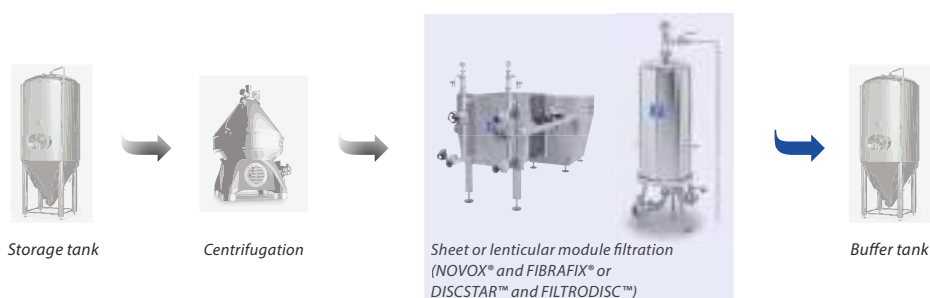
Mid-size and larger breweries usually use a DE filter (e.g. candle filter) followed by a trapfiltration with filter cartridges.



Smaller craft breweries only use a sheet or module filter prior to bottling. In case of too short maturation time or too high turbidity, a bag filter upstream can increase capacity. The filter sheets or lenticular modules can be regenerated by backflushing.



Larger craft breweries often use a centrifuge upstream of the depth filter.

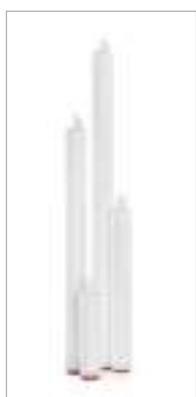


A characteristic feature of craft breweries is their beer selection, consisting of various types of beer. Depending on the main type of beer, it is worthwhile to adapt the filtration accordingly.

The following table shows which types of filter sheets and lenticular modules are most suitable for the respective beer type.

Sheet grade	Max. flow (hl/m <sup>2</sup> *h)	Max. diff. pressure (bar)	Suggested use
AF ST 130 / AF 133*	1.4	1.2	Sterile filtration Extended shelf life.
AF 101H / AF 103*	1.5	1.5	Yeast sterile. Bacteria reducing.
AF 71H / AF 73*	2.0	1.5	Bright beer filtration. Very popular grade when brilliance is required. Great with <b>pilsner</b> . Removes most yeast.
AF 41H / AF 43*	2.0	1.5	Medium clarifying, bright polish. Great all around grade for most styles.
AF 31H / AF 33*	2.2	1.5	Clarifying/polishing. <b>Amber/light colored beers.</b> Unique surface for handling heavier loads. Most popular grade with <b>ales</b> .
AF 21H / AF 23*	2.5	1.5	Coarse/rough polish. Good with <b>dark styles and IPA's</b> when a slight haze is okay.

\* For lenticular modules we recommend our FILTRODISC™ PLUS<sup>2</sup>



For trap filtration with filter cartridges we recommend our **CLAROX® PL** with a micron rating of 10 µm absolute. The recommended flow rate is 25 hl/h per 30" cartridge, up to a maximum differential pressure of 5.0 bar.

Are you planning on expanding your production or thinking about a new filtration process?

The experts of the FILTROX Group work together with small microbreweries, regional craft breweries, as well as large global breweries on a daily basis. We will also help you to optimize your filtration process.

More information: [www.filtrox.com](http://www.filtrox.com)



## FILTROX. DEPTH FILTRATION FOR VALUABLE LIQUIDS.

As a global market leader in depth filtration, FILTROX offers complete solutions for filtration of high value liquids.

We are experts in development, manufacturing and supply of Swiss top quality products for a wide range of applications in pharmaceuticals, biotechnology, chemicals and cosmetics as well as in food and beverage. Since 1938, we have been developing and manufacturing both filter

media as well as filtration equipment in-house. Based on this experience, we can offer our customers a complete range of products.

FILTROX's worldwide distribution network and comprehensive technical support will help you optimize your filtration process.

Visit us online at [www.filtrox.com](http://www.filtrox.com) for more information.

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