

# Vodka Filtration



## *Strip your spirits of unwanted impurities.*

Your vodka is your legacy. Every drop must look, smell and most importantly, taste the same. Eaton has developed a two-stage filtration solution that can help you define the quality of your spirits to produce clean, crisp and consistently pleasing vodka.

Many alcoholic products take on a cloudy, milky appearance during processing. To avoid this, producers use filtration to remove haze-causing agents while preserving valuable taste ingredients.

Haze may appear as flakes, particles or crystals, which can occur in suspension, as sediment or on the surface. Possible causes include polyphenols, polysaccharides, proteins, oils or long-chain fatty acids from the ingredient used to ferment into Vodka. Hard minerals are another undesirable by-product that can be introduced by water or sugar impurities among other sources.

Just as the quality of the raw materials, the water and the equipment used to make vodka all impact its production, filtration can significantly influence the color, odor, taste and texture of the final product.

Filtration with activated carbon filters remove impurities that affect appearance, aroma, taste and mouthfeel, without affecting alcohol content.

# EATON

Powering Business Worldwide

# Create the purest, best tasting Vodka

## Eliminate haze-causing substances while preserving quality.

Eaton's two-stage filtration process supports the reliable production of crystal-clear, neutral tasting, stable vodka. Its key area is attached to

aroma and taste correction using filter media containing activated carbon.

Carbon is extremely porous and adsorptive. "Activated" carbon—having more surface area—maximizes these properties to strip away as many impurities as possible when filtering vodka.

As seen in Step 1 in the below diagram, Eaton BECO CARBON filter sheets or BECODISC BC stacked disc cartridges remove "off-flavor" by-products.

In Step 2, Eaton BECO PROTECT filter cartridges capture fine particles prior to bottling. Together, the system offers

vodka makers unparalleled control and efficiency for meeting purity requirements.

Filtration is rarely a one-size-fits-all solution. Put our vast expertise to work in your plant or distillery—we can help you engineer the right system that ensures the best result from source to shelf.

Distillation & adjusting to drinking strength

### Step 1

#### Activated carbon treatment



BECO CARBON™ ACF filter sheets OR BECODISC® BC stacked disc cartridges

Removal of off-flavor components

### Step 2

#### Final filtration



BECO PROTECT® PG, FS or PP Pure depth filter cartridges

Removal of fine particles and gloss filtration prior to bottling

Bottling

## Activated carbon filter media:

- Enables color, taste, odor and texture correction in one step.
- Is simple and clean (dust-free handling improves process hygiene).
- Supports fast throughput (short setup times).

Eaton products meet national and international quality standards, such as the LFGB standard (German Food, Commodity and Feed Act) in Germany and FDA guidelines (Food and Drug Administration) from the USA. The plastic components meet European Directive (EU) 10/2011.

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