

## BEVERAGE SYSTEMS BMF

### LIPETSKPIVO BREWERY, CAPACITY 300 HL/H

#### CASE STUDY



#### FAST FACTS

**Location**  
Lipetskivo, Russia

**Capacity**  
300 hl/h

**Start-up**  
November 2011

#### BACKGROUND

The Lipetskivo brewery, founded in 1977, is a former Soviet state enterprise, which was transformed into a private, joint-stock company in 1992. Over the years, the brewery has steadily increased production leading to a production total of about 1 million hl beer, soft drinks, water and kvass in 2011. Lipetskivo positions itself as a regional brewer with a sales radius of about 1,000 km for middle-income Russian consumers.

Since 2005, Lipetskivo has consistently been working on the renovation of the entire production plant in order to be able to stay competitive in the Russian brewing market. Therefore, the renovation had a clear focus on the latest technologies which offer a high product quality, more flexibility and simplified processes.

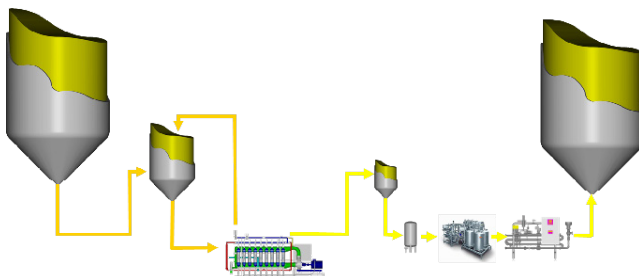
A central aspect of the brewery redesign was the replacement of the existing kieselgur filter with a Pentair BMF filter line as Lipetskivo was looking for a more reliable and predictable filtration method which offers a high grade of automation and a stable beer quality at lower operational costs.

The chosen BMF-18 system was installed in the last quarter of 2011 together with an upgrade of the BBT cellar. Currently, the brewery filters beer in a high gravity process and kvass with a maximum filter capacity of up to 7000 hl per batch.

#### SCOPE OF SUPPLY

Pentair supplied a complete, fully-automated, turnkey beer membrane filter line, including:

- 3 Additive Dosing Units
- Unfiltered Beer Tank
- 3 Skids with a total of 54 S-14 Beer Membrane Modules
- Filtered Beer Tank
- Security Filter
- DAW System (Pentair Südmo)
- Upgrade BBT cellar with valves manifold (Pentair Südmo)
- Stabilization System
- CIP station
- Project Management & Engineering
- Automation
- Erection, Commissioning & Training On-Site



#### PENTAIR WATER PROCESS TECHNOLOGY BV

P.O. BOX 741, 7500 AS ENSCHEDE, NETHERLANDS [WWW.PENTAIRPT.COM](http://WWW.PENTAIRPT.COM)

All Pentair trademarks and logos are owned by Pentair, Inc. All other brand or product names are trademarks or registered marks of their respective owners. Because we are continuously improving our products and services, Pentair reserves the right to change specifications without prior notice.

Pentair is an equal opportunity employer.

CS LIPETSKPIVO E-12/12 © 2012 Pentair, Inc. All Rights Reserved.