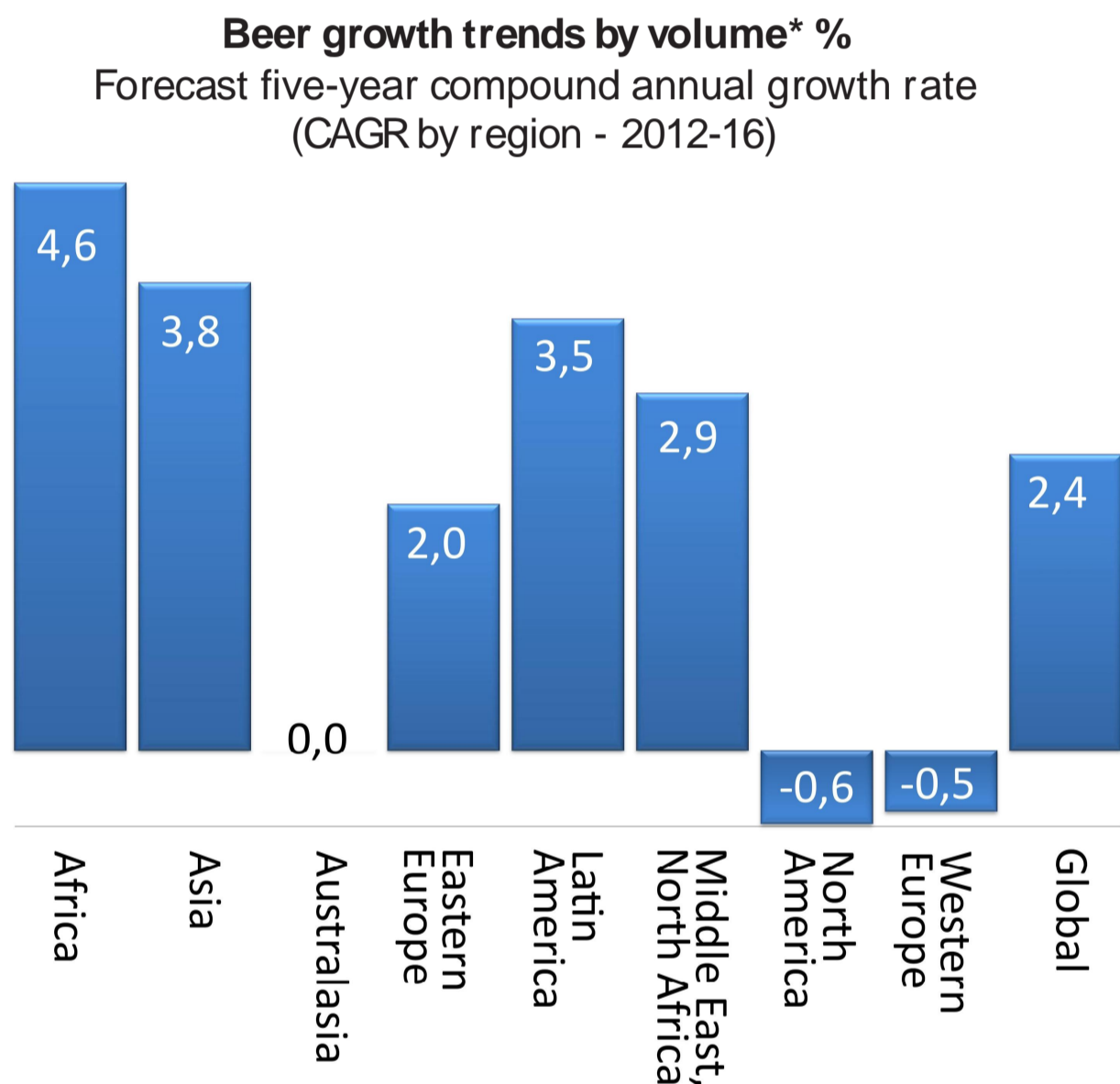


“Compact, Sustainable and Affordable Beer Membrane Filtration - The African Solution”

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Introduction

To meet the specific demands of mid-size breweries, Pentair offers a pre-assembled stand alone Beer Membrane Filtration system, the BMF-18 Compact, that has the same advantages and benefits as a BMF system for large breweries while lowering the investment costs to an absolute minimum. For breweries with an annual output up to 1.5 million hectoliters, the BMF-18 Compact is the perfect solution.



*Source: SABMiller plc, Annual Report 2012

Beer Quality and Output

The BMF-18 Compact delivers a constant beer quality level during a run cycle and offers a long shelf life and an excellent taste stability. Further, beer filtered through the BMF system has a significantly lower level of aging components compared to diatomaceous earth (DE) filtered beer.

After three months of storage, the differences between DE filtered and membrane filtered beer become even greater. Unlike DE filtration, membrane filtration is a permanent barrier to beer spoiling materials, giving it a considerable extra advantage over conventional methods. Moreover, BMF technology offers breweries an assured output, which neutralizes quality fluctuations of the raw materials. With BMF, brewers can be certain about both quantity and quality of their beer output.

System Design

BMF-18 Compact incorporates smart design principles and high quality components. The robust design makes it possible to assemble the entire skid prior to transportation, which significantly reduces the commissioning period at the brewery. After the order is placed, the brewery can start to prepare the necessary piping while the BMF-18 Compact is being built and tested at the Pentair premises. After installation, the BMF-18 Compact only requires limited manual work as the main process steps are fully automated. The brewer only has to manually switch from filtration to CIP and vice versa, typically once a day.

Benefits

- Compact design
- Plug & Play
- Low investment
- Low operational costs
- Limited manual work
- Tailored to brewery specific KPI's

Conclusion

The BMF-18 Compact from Pentair Beverage Systems offers brewers the perfect beer filtration solution. The membrane filter technology is a great fit with a sustainable brewing process. The investment and operational costs are at an affordable level, while the beer quality is outstanding. The BMF-18 Compact is the new standard in the market, and the perfect solution for African Breweries.

