

Focus upon **FILTRAGLASS'** water recycling systems for glass

An innovative and dynamic team, cutting-edge technology and personalised customer service have all enabled Filtraglass to build solid foundations upon which to grow and develop as it continues to make machines that can capably meet the rising demands of its clients.

WHAT TO EXPECT FROM A WATER RECYCLING SYSTEM

Consumption savings

The main goal of any water recycling system is to reduce water consumption by reusing the same water more than once. The system collects water containing solid glass



With more than a decade and a half's experience in the sector, FILTRAGLASS' systems remain ideal for installation and use in the glass industry. Those fifteen-plus years have seen the company become a benchmark within the market as it opened its borders to export its systems to countries on several continents.

particles that is used in manufacturing processes before filtering and returning it to the closed supply circuit.

In general, a recycling system can reduce water consumption from the grid by up to 85 percent [Vidres Delasan (Barcelona), a flat and curved glass manufacturer with a facility comprising four horizontal CNC machines and two next-generation CNC drills]. However, that figure may be higher or lower depending on facility specifics, machine number as well as possible leaks from the closed circuit or water loss through evaporation.

Longer useful life for machines

After installing a water recycling system, glass treatment machine maintenance will be reduced owing to clean water use of a quality that's comparable to the water from the grid and so containing no glass dust that could damage the system. Besides reducing maintenance requirements, this will also avoid wear and tear on both the machines and their parts, thereby extending their use life.

Increased productivity

Productivity is one of the most important aspects of any company within any sector. It can be affected by various factors, including production line stoppages for maintenance purposes.

Glass treatment plants that install water filtration systems reduce their maintenance load and so their production line stoppages too. Now the time once spent on replacing water in the tanks and removing residue can be used to continue production.

Reduced environmental pollution

Water consumption is among the factors that's received heightened attention in recent years thanks to its positive contribution towards environmental conservation. At present, being environmentally-friendly can be a distinctive characteristic for a company vis-a-vis its competition.

By installing a water filtration system, Filtraglass can essentially avoid harm to the environment in two different ways: firstly, by reducing water consumption by recycling and so



always using the same water; and, secondly, by avoiding glass dust deposits into the environment given that the system then converts that glass dust into solid, dry, extractable and recyclable waste.

Reduced coolant consumption

Liquid coolant consumption is tied closely to water consumption. Some companies in the glass treatment industry use this product to improve

cutting tasks and avoid overheating of the diamond-tipped cutters. In an installation with no water recycling system, the coolant must be replaced more often because the use life of the water sourcing the installation is shorter.

In terms of using this product, the main difference in an installation with a filtration system is that the water necessitates less frequent replacement. This means that coolant

consumption is reduced because it only needs to be replaced when there's a leak or due to the ordinary process of evaporation.

Improved end product

The use of high-quality water not only affects the amount of machine maintenance required or the length of its use life. For the treated glass it also affects the end result.

The use of filtered water in glass treatment processes helps produce a cleaner end

product, namely a transparent glass that's free from glass dust residue.

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FILTRAGLASS
WATER TREATMENTS FOR GRINDING TECHNOLOGY

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