

For custom design, **FILTRAGLASS** XtremFlow is making a splash

The XtremFlow machines differ from other systems in that they use a filter press, which allows a high volume of water to be filtered per minute. However, the way they work is not very different; that is to say, the water is recycled in a closed circuit, so that the water used during the glass manufacturing process is stored in a tank. From there, a pump transfers it to the filter plates where the filter cloths are located, which separate the water from the dust. The clean water is piped to another section of the tank so that it can be reused by the glass

With more than two decades of experience, FILTRAGLASS has created several ranges of water recycling systems to suit the needs of every business. The XtremFlow line is among these. Offering advanced performance in its management of high flow rates, it's also uniquely customisable, standing out for the high volume of water it can filter in a minute.





processing machines, CNC, straight-line edgers, bevelers or double-edgers. The glass powder, meanwhile, is retained in the filter mesh. Every so often and automatically, the system discharges the powder, which has been converted into a dry, solid, recyclable waste product. In this way, XtremFlow models contribute to sustainability in two ways: by reducing the amount of water needed to process glass and by preventing glass powder from being released into the environment, with all the associated consequences.

PERFORMANCE MEETS SUSTAINABILITY

The benefits offered by high-flow systems are not only focused on caring for the

planet, they are also evident in the optimal finish of the glass. Furthermore, the efficiency of the production line increases, as there are no interruptions for maintenance tasks, coolant consumption is reduced and the efficiency of the diamond wheels is increased. All these improvements contribute to extending the useful life of the machines and, as a result, to reducing repair and maintenance costs.

THE XTREMFLOW LINE

The XtremFlow line consists of three machines: XF-420, XF-620 and XF-820, which all function in the same way as described above, mainly differing in other aspects such as the nominal flow rate of the pump, the capacity of

the tank and the kilograms of dry residue extracted, which depends on the dryness of the residue obtained.

The XF-420 model has a nominal pump flow rate of up to 24 m³/h, a tank with a capacity for 9,000 litres of water and a waste extraction of between 150 and 250 kg. The XF-620 machine has a nominal pump flow rate of up to 43 m³/h, the tank capacity is 12,000 litres of water and it has an extraction range of between 260 and 350 kg.

INTRODUCING THE POWERHOUSE: XF-820

The XF-820 is the latest addition to the high-volume range. This machine was one of the main innovations that the company from Vilamallà (Girona) presented at the

Glasstec 2024 trade fair in Düsseldorf (Germany), and it attracted a great deal of interest from professionals in the sector. What's more, this model has recently been installed at Grupo Navas (Barcelona), a leading company in the glass industry and a Filtraglass customer for over twenty years. The XF-820 features a pump with a nominal flow rate of up to 60 m³/h, a tank with a capacity of 18,000 litres and a waste extraction of between 450 and 600 kg. Without doubt, it is the highest performance system designed by Filtraglass to date.

XtremFlow guarantees high performance and is specially designed for centres with several machines in operation and a high work rate, as the system is designed to recycle the water used by different machines automatically and without slowing down the activity. Furthermore, the flow rates of the XtremFlow models can be customised to the specific needs of each company. It is also worth noting that, like all Filtraglass water treatment systems, the XtremFlow range can be adapted to the heads of CNC machines with a few modifications.



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