

# Tecnomatic: purification made simple - for all sizes of machinery

Claudio Grottaroli - Owner

TECNOMATIC



Ecomatic 300F

*The high-tech and high-speed machinery used in today's glass industry create a problem that is the same to all glassworks - wastewater. This article presents the product range of Tecnomatic's purification plants, suitable for complete lines or single machines, also looking into the possibility of recycling this water coming from processing.*

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## THE COMPANY

Tecnomatic was founded in 1991 and started its activities as a company specializing in the repair and servicing of glassmaking machinery.

Its founder, Claudio Grottaroli, who started his career in the glassmaking industry in 1974, in the early years of his activities, designed various specific and patented systems for the purification of refluent water from glassmaking.

Tecnomatic's current production range includes almost 30 models of water and residue treatment systems, which are configured for each client after an on-site inspection by company technicians.

## SIMPLE AND POWERFUL PURIFIERS

- *Patented and specific system for refluent water purification and filtering for the glassmaking industry*
- *System complying with EC standards*
- *Guaranteed conformity regarding the disposal of wastewater*
- *Minimum and simplified maintenance with consequent long working life of the system*
- *Low consumption of harmless reagent chemicals*
- *Modular systems expandable on request*

## TECNOMATIC'S PURIFIERS

The systems currently in production cater for a series of needs ranging from the smallest glazing workshop right up to industrial scale glassmaking.

The purifiers offered by the Pesaro-based company are designed to satisfy the needs of the flat glassmaking sector. Each and every system enables its user to save on machine maintenance, water consumption and, last but not least, are in compliance with values defined by the legislation in force (152/99) regarding the control of waste water discharged in public sewers.

The technology applied is that of rapid clarification with a pH value suited to rapid separation.

Filtration, obtaining total water decontamination without an excessive use of energy (Kw) and, above all, without the use of chemical additives, is used in combination with rapid clarification.

Advanced filtering system

THE ECOMATIC RANGE	
Ecomatic 100	Litres per hour - 11,000
Ecomatic 120	Litres per hour 12,000
Ecomatic 150	Litres per hour 20000
Ecomatic 180	Litres per hour 25,000
Ecomatic 300	Litres per hour 40,000
Ecomatic 400	Litres per hour 50,000
Ecomatic 450	Litres per hour 60,000
Ecomatic 600	Litres per hour 80,000

## Ecomatic

Ecomatic systems are managed by extremely versatile software, thus the need for the operator to remember to switch the softener on and off, and also to check which purifiers need water and precisely when they need it are no longer needed.

Tecnomatic's systems are generally custom-made and do not involve additional expenses for the purchaser. They offer top quality, including optimization of water recycling, where the pH value is always under control, thus not affecting parameters necessary to ensure maximum grinding wheel efficiency during grinding operations.

The design of these systems is also devised to take care of the delicate job of water disposal after filtration has been completed. Thanks to this final process, a considerable saving in water consumption is also achieved, as the water can, in fact, be re-used instead of water from the main supply.





Silo for high-capacity purification



Tecnomatic's new premises at Pesaro, central Italy

### *Ecomatic F series*

In addition to the above mentioned characteristics of the Ecomatic series, Ecomatic F is also equipped with specialized software that automatically carries out maintenance at pre-selected times and on pre-selected days.

Any necessary daily, ordinary and special maintenance takes place automatically without the need for manual intervention.

The software is easy to programme and allows the operator to pre-select times for the system to be switched on and off.

During the first treatment stage the water coming from glass processing, generally grinding and glass removal, is treated.

During the second treatment stage, the complete clarity discharged waters with residues of 0.0-0.1 mg/l are guaranteed, in compliance with European norms relative to the characteristics and parameters for the autonomous disposal of wastewater.

### *Ecompact 75*

Ecompact is Tecnomatic's extremely compact dimensioned range of purifiers, which are used mainly on straight line grinders. Ecompact was created in response to the needs of glassworks with many different system machines, where a centralized purification system would not be acceptable.

Ecompact, which can be applied to a single machine, has an optimum price/quality ratio and is easy to use. Ecompact's small dimension of 1.2 x 1.2 metres enable its installation on single machines to carry out high-speed purification of wastewater and the immediate separation of sludge. ■

### THE ECOMATIC F SERIES

**Ecomatic 100 F** Litres per hour 10,000 and 3,000/5,000 by filtration

**Ecomatic 150 F** Litres per hour 20,000 and 3,000/5,000 by filtration

**Ecomatic 180 F** Litres per hour 25,000 and 3,000/5,000 by filtration

**Ecomatic 300 F** Litres per hour 40,000 and 3,000/5,000 by filtration

**Ecomatic 400 F** Litres per hour 50,000 and 3,000/5,000 by filtration

**Ecomatic 450 F** Litres per hour 60,000 and 3,000/5,000 by filtration

**Ecomatic 600 F** Litres per hour 80,000 and 3,000/5,000 by filtration



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