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BIOETHANOL FIREPLACES: WHERE SAFETY SHOULD TAKE A PRIORITY

Thanks to the development of bio-ethanol fireplaces, we can now enjoy the real fire even in the apartments with no ventilation system installed.

When bio-ethanol fireplaces were first introduced to the market, there were only manual devices available. These weren't much more than metal containers manually filled with bio-ethanol and ignited with a lighter. The construction used little or no technology and posed serious threats of either spillage or fire explosion.

Drawbacks of Manual Bio-ethanol Fireplaces

The manual bio-ethanol fireplaces soon gained a bad reputation for causing injuries. The fuel residues burning at the bottom of a fireplace produce a flame that is practically invisible to a human eye.

The majority of accidents happen when fuel is added to what seems to be extinguished fireplace, causing sudden blasts and burns.

Rise of Automation

Thanks to technological advancements and the introduction of automatic bioethanol fireplaces, we are no longer limited to unsafe manual devices.

Automatic BEV technology means that there is no direct contact between the fire line and bio-ethanol. The fuel is contained in a separate reservoir inside the fireplace from where it is pumped into the vapor accelerator.

Warm ethanol then evaporates through a perforated burner where it is ignited by a filament. The burning process takes place above the burner and guarantees that the flame has unlimited access to oxygen and is fully combusted.

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This prevents bad smell, typical for manual bio-ethanol fireplaces. The BEV technology also allows to rapidly extinguish the flame by closing the vapor release.

Some manufactures introduced electronic remote controllers or developed apps and integrated Smart Home systems giving you full control of the fire, i.e. starting your bioethanol fireplace, extinguishing it or even regulating the flame stages, all from the comfort of your seat. Another benefit is a pump that delivers the necessary amount of bio-ethanol and automatically stops when the reservoir is full. Such a feature guarantees you will never spill the fuel again! Also, the system won't add fuel when the fireplace is still working or cooling.

Be aware of Scammers!

Some bio-ethanol fireplaces are wrongly described as automatic and in reality, most of them are not much different from manual ones. Adding a spark ignitor or a peristaltic pump does not automate the combustion process. Once hot, they pose the same threats as the manual bio-ethanol fireplaces. To distinguish between the two types, remember that a true automatic fireplace produces flames by burning ethanol vapors.

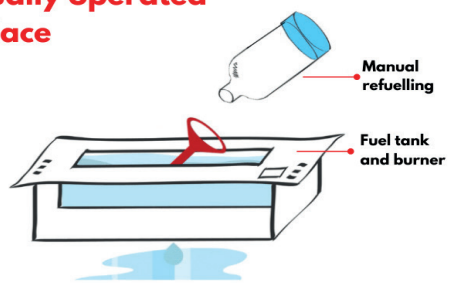
Ask questions about the implemented technology and don't let fake claims mislead you.

Automatic Bio-ethanol Fire Opens New Possibilities

Although the BEV automatic fire is a relatively new invention, it is already becoming more and more popular amongst architects and interior designers alike. If you are considering buying a fireplace and don't want to modify your house or apartment, a BEV automatic bio-ethanol fireplace seem to be the only option meeting even the most robust health and safety requirements.

Key Differences between manual and automatic devices

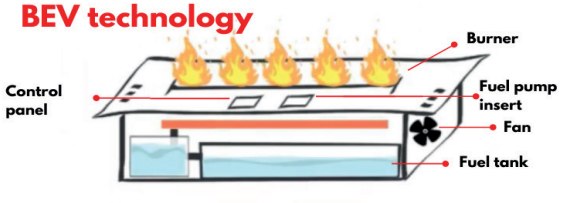
Manually operated fireplace



Non-automatic fireplaces consist of a metal container that is manually filled with bio-ethanol and ignited with a lighter. The construction is extremly simple and poses serious threats of spillage, burns and exploaded fire.

Manual	Automatic
✗ Noticeable odour	✓ Automatic fuel pump
✗ Visible smoke	✓ Smart Home System
✗ Hot burning fuel	✓ No smell, smoke or ash
✗ Risk of spillage	✓ Fuel stays cool
✗ Burns hazard	✓ Control flame height

Automatic BEV technology



Automatic BEV technology guarantees the complete separation of fuel tank and fire line. This, coupled with multiple sesors, meets even the most robust safety requirements.