

MAXimus

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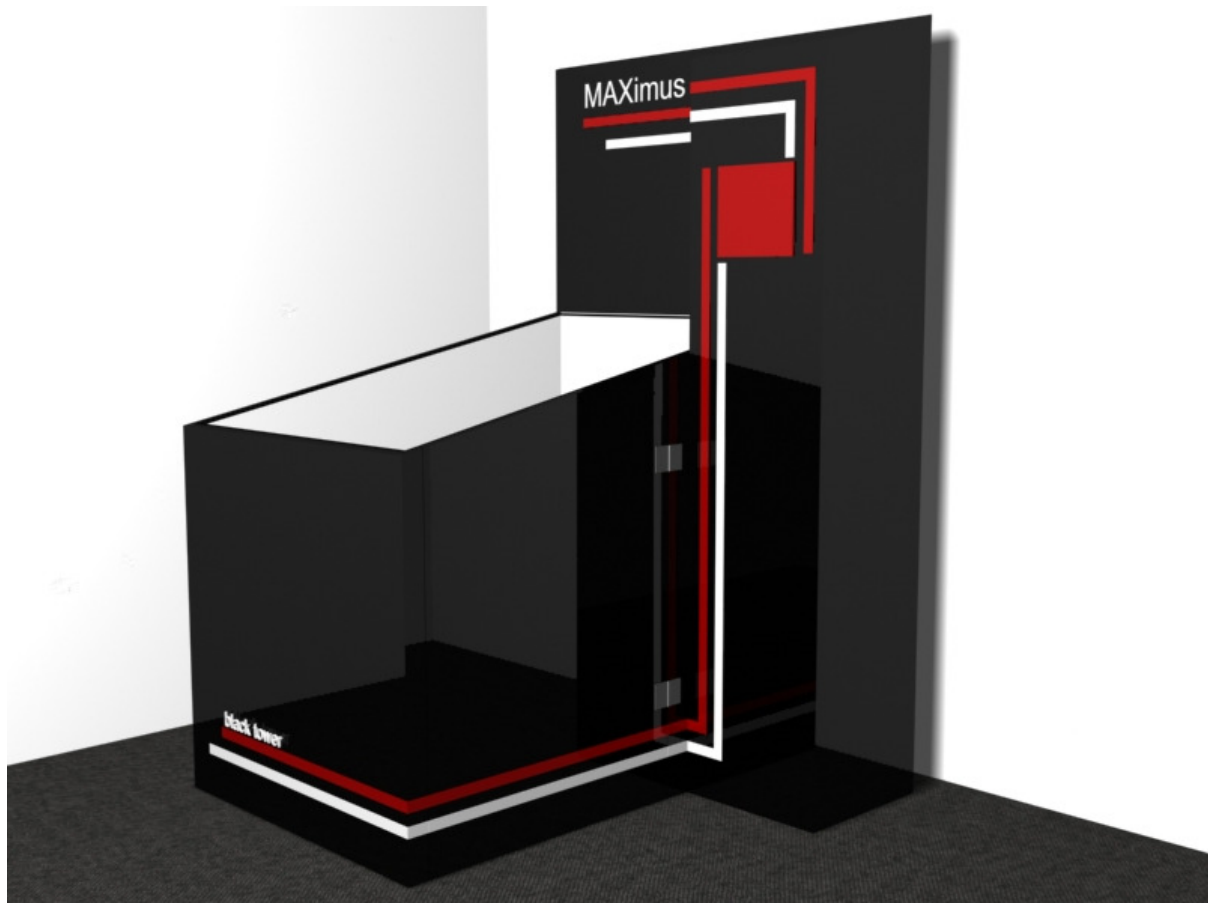
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CARBON DIOXIDE AND OZONE DRY BATH CHAMBER

TOWER MX-1



The CO₂ and O₃ dry bath chamber „TOWER“ is in conformity with EC-directive 93/42/EWG, which was introduced into Polish law on 20 April 2004 (Dz. U. 2004 Nr 93 with amendments - *Journal of Laws of the Republic of Poland, abbreviated Dz.U.*)

This device is designed for treatments using carbonic anhydride for people who, due to their condition, cannot use "wet" CO₂ bath as there is additional hydrostatic pressure which may overload the patient's body. Taking "dry" CO₂ does not require the patient to take his/her clothes off. Taking a seat inside the chamber is easy for the disabled and elder patients. The temperature and humidity are preset and kept constant during the treatment. The device operates automatically, displaying the time left on the control panel. Before the treatment ends the chamber removes used carbon dioxide. A sound signalizes the end of treatment.

The therapeutic aspect of carbon dioxide is capillarectasia, arteriectasia and dilatation of blood vessels due to production of bodies similar to histamine and acetylcholine at the skin-level. It effects in lowering the blood pressure (both the normal and caused by illness). The process does not require any additional heat source as CO₂ lowers the sensitivity of cold receptors while stimulating the heat receptors. Blood capillaries open by 300%; the congestion of CO₂ affected skin reaches 600%. The dry CO₂ treatments are recommended to patients with heart or brain blood vessels diseases where additional hydrostatic pressure and temperature present in "wet" CO₂ baths are not allowed.

The device is designed for ozone treatments (gas bathing) where ozone is used for its antibacterial, antiviral, disinfecting, antifungal, granulating and cuticle regenerating properties. The treatment may be applied while patient is wearing light clothes or underwear. Taking a seat inside the chamber is easy for the disabled and elder patients. The ozone level and humidity are preset and kept constant during the treatment. The device operates automatically, displaying the time left on the control panel. Before the treatment ends the chamber removes used ozone-oxygen mixture. A sound signalizes the end of treatment.

In the case of low concentration therapy the natural immunity abilities are stimulated – ozone activates the immune system. Ozone is also a perfect blood circulation stimulant and thus it is used in treating cardiovascular diseases. It affects positively the organic functions. As a response to ozone's effect the immune system produces a special protein substance - cytokine which regulates the immunological responses (as well as interferons and interleukin). These substances control the inflammatory processes and maturation of immune system cells which leads to many positive changes in the immune system. Without a doubt ozone therapy is a fantastic way to stimulate the immune system for the patients with low or no immunity. The therapy uses special chambers, baths and other containers which fit different parts of the body (ozone is put into those containers). The ozone therapy should take place in humid environment as ozone is inactive in dry conditions. Ozone therapy is effective in ulceration, open wound, postoperative wound, cold sore and other skin diseases treatment.

TECHNICAL SPECIFICATION:

Power: 230V/50Hz

Power consumption: 2000W

CO₂ consumption: 0, 1m³ /treatment

Temperature: 30 - 41 C

Treatment time: 5-99min

Humidity: 2 levels 40 -70%

Dimensions:

Width - 85 cm

Height - 110 cm

Length - 120 cm

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