

OZFIL™

Treatment Systems For Bottled Water Applications

OZONE

Ozonia has provided solutions for the bottled water industry for many years and continues to innovate with new technologies to meet legislative and client requirements. The OZFIL™ ozone treatment system is one such innovation.

APPLICATIONS

- The OZFIL™ has been designed primarily for the treatment of bottled water but is ideally suited for small drinking water installations

MAIN CHARACTERISTICS

- A complete system on a skid which automatically doses the ozone at a given level irrespective of the process water flow rate

OZONE TECHNOLOGY: OZFIL™

In order to treat drinking water efficiently certain process criteria have to be met: A given amount of ozone must be introduced to the process water and, after introduction, there must be sufficient residence time in order to give the ozone time to work.

The OZFIL™ product incorporates all of the components required to produce and dose ozone to the process water:

- air dryer for the feed gas preparation;
- OZAT® ozone generator;
- motive water pump and injector system;
- stainless steel contact chamber for a residence time of at least four minutes;
- automatic degassing valve with vent ozone destruct unit;
- residual ozone analyser;
- flow meter;
- circulation bypass;
- control system and all skid interconnections.

HOW IT WORKS

Ozonation ensures a very high product quality resulting in a long shelf life. A dose of ozone in the range of 0.3mg/l to 0.5mg/l, is sufficient to sanitise the product and the product packaging. After this, the ozone will have oxidised the organic substances and the microbial activity will have been reduced to a minimum.



PRODUCT HIGHLIGHTS

- > Complete treatment system on a skid
- > Processor controlled
- > Long service life
- > Virtually maintenance-free
- > Easy integration
- > Compact dimensions
- > High product integrity
- > Reliable and repeatable control

OZONIA

TECHNICAL DATA

OZFIL™ MODEL	Filler Rate (m³/h)	Ozone Prod. (g/h)	Ozone Dose (mg/l)	Pressure bar(g)	Air Requirement (m³/h)	Cooling water (l/h)	Installed rating (kW)	Mains Voltage
OZFIL 15™	15	37	2.4	6	2	90	6.0	3 x 400 VAC ±10%, 50/60 Hz*
OZFIL 20™	20	37	1.8	6	2	90	7.5	
OZFIL 25™	25	37	1.5	6	2	90	7.5	
OZFIL 30™	30	37	1.2	6	2	90	7.5	
OZFIL 40™	40	37	1.0	6	2	90	9.5	
OZFIL 50™	50	112	2.3	6	5	270	8.8	
OZFIL 60™	60	112	1.9	6	5	270	10.8	
OZFIL 70™	70	112	1.6	6	5	270	10.8	

* Different voltage on request

TECHNICAL FEATURES

- Design standards: EN, IEC, ISO, SN
- Protection class: IP 42 - NEMA 1
- Conformity: CE - UL

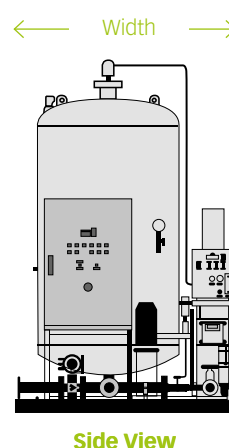
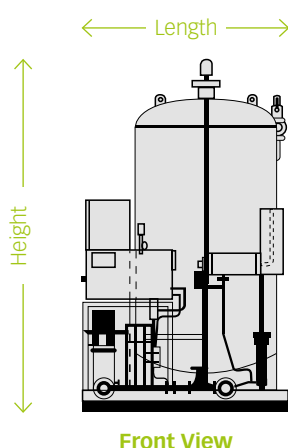
MATERIALS

- Contact chamber: stainless steel
- Frame and pipes: stainless steel
- Pump and injector: stainless steel and PVDF

REMOTE CONTROL AND ALARMS

- Unit ON/OFF
- Unit running
- Collective alarm

OZFIL™ MODEL	LxHxW (mm)	Weight (kg)
ODT-003	1900 x 1950 x 2000	1800
ODT-006	1900 x 1950 x 2000	2300
ODT-012	1900 x 2700 x 2260	2700
ODT-020	1900 x 2840 x 2000	3200
ODT-030	1900 x 3130 x 2200	4100
ODT-060	1900 x 3435 x 2000	5100
ODT-120	1900 x 4550 x 2260	6000
ODT-180	1900 x 4700 x 2260	7000



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