

OZSKID™ CFS

Ozone Treatment System

OZONE

OZSKID™ units are complete ozone systems mounted on a skid. Ozonia's OZSKID™ ozonation systems incorporate, for the simplest operation, all components required to achieve the desired results for a wide range of applications.

APPLICATIONS

The OZSKID™ has been especially designed for ozone treatment applications in industrial markets such as:

- Bottling water
- Beverage production
- Food processing
- Fish farming

MAIN CHARACTERISTICS

- Skid mounted & ready to use
- Feed gas preparation: PSA (Oxygen)
- Side-stream ozonation

OZONE TECHNOLOGY: OZSKID™

OZSKID™ ozone units are versatile treatment systems that achieve a very high level of disinfection for a wide range of industrial applications. This side-stream ozone system has been especially designed to generate the right amount of ozonated water required to provide the most reliable, consistent, simple and cost-effective treatment process available.

The skid unit incorporates Ozonia's latest generation OZAT® CFS ozone generator, a pressure swing adsorption oxygen generator, a motive water pump and injector system as well as all necessary valves and instruments.

To ensure the greatest user experience, stainless steel contact tank, vent ozone destructor, room monitoring system and tri-clamp connections on the water in/outlet are options directly available from Ozonia.

HOW IT WORKS

Ozone is generated by recombining oxygen atoms with oxygen molecules in a silent electrical discharge.

By providing a very high-level of disinfection, ozonation ensures that clients have the highest water quality required by many industrial processes. Ozone is ideally suitable for taste and odour removal as well as iron, manganese and sulfide ion oxidation.

The side-stream ozonation consists in ozonating a fraction of the water stream to a higher concentration than the one sufficient to disinfect the whole stream and then mixing it with the main stream to reach the needed ozone level.

This method leads to an optimized water treatment, easily maintainable and exceptionally economic.



PRODUCT HIGHLIGHTS

- > Side-stream ozonation
- > Complete treatment system on a skid
- > Compact dimensions for easy integration
- > Suitable for new or for retrofitting to existing plants
- > Robust industrial quality for reliability and long service life
- > High product integrity
- > Easy to use

OZONIA

TECHNICAL DATA	Filler Rate * (m ³ /h)	Ozone Prod. (g/h)	Pressure* (barg)	O ₂ Requirement (m ³ /h)	Cooling Water (m ³ /h)	Installed Rating kW	Mains Voltage
OZSKID™ CFS	up to 50	53	1	< 2.0	0.09	3.3	3x400 VAC ±10%, 50/60 Hz or 2x400 VAC ±10%, 50/60 Hz or 1x230 VAC ±10%, 50/60 Hz

* Optional unpressurized or pressurized contacting tank up to 6 bar(g)

TECHNICAL FEATURES

- Design standards: EN, IEC, ISO, SN
- Protection Class: IP 42
- Conformity: CE

MATERIALS

- Frame and pipes: stainless steel
- Pump: stainless steel
- Injector: PVDF (Option: stainless steel)

OPTIONS

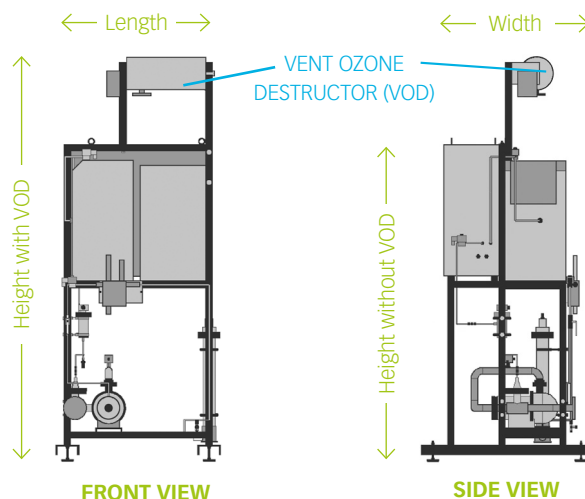
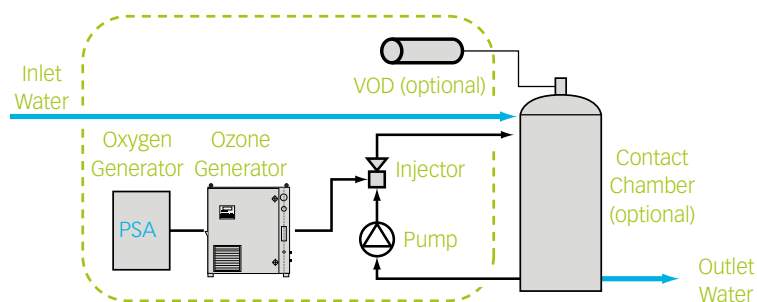
- Vent ozone destructor
- Contact chamber (pressurized or unpressurized)
- Stainless steel injector

REMOTE CONTROL AND ALARMS

- Unit ON/OFF
- Unit running
- Collective Alarm

MODEL	LxHxW (mm)	Weight (kg)
OZSKID™ CFS without VOD	1040 x 1940 x 1000	~240
OZSKID™ CFS without VOD	1040 x 2440 x 1000	~ 250

SIDE-STREAM OZONATION: FLOW CHART OZSKID™



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