

## Compact-Ozone System Series: COSY

### Compact ozone system:

SEWEC ozone systems of the **COSY** series can be used for numerous water treatment processes.

The ozone plants of the **COSY** series are designed for fully automatic operation and can be easily integrated into an existing water treatment system in terms of hydraulics and control technology.

### Features:

- Proven SEWEC OZON technology
- Autonomous operation
- Low installation costs
- Low energy consumption
- Long lifetime
- Simple operation
- Simple integration into existing systems

### Technology:

- Ozone generator with built-in air dryer
- Contact tank made of PVC-U
- Bypass ozone injection system
- Electrical control including SPS

Consisting of all necessary components:

#### Ozone generator

Ozone generation module in vertical design, air-cooled version, consisting of a tubular heat exchanger made of stainless steel.

#### Air dryer

Air drying plant, hot air regenerated, fully automatic operation, for the removal of moisture from the process air, the drying plant consists of two alternating drying cells and all other necessary components for fully automatic operation. The electrical control is carried out by a PLC.



### Ozone injection system

For bypass injection of ozone gas into water at a system pressure of max. 1.5 bar. consisting of:

- Booster pump
- ozone injector
- Ozone gas valve
- Siphon

### Contact tank

Material: PVC-U

Volume: 45 litres

Contact time: ~1min

incl. automatic vent valve

### Residual ozone destructors

for a effective removal of ozone in the exhaust gas from the contact tank filled with highly effective special activated carbon.

### Technical data:

Type: negative pressure, air-cooled

Ozone output: 2 or 4 gO<sub>3</sub>/h

Ozone concentration: 20.0 gO<sub>3</sub>/Nm<sup>3</sup>

Gas flow rate: max. 0.2 Nm<sup>3</sup>/h

Water flow rate: max. 2.5Nm<sup>3</sup>/h

Process gas: Ambient air

Ozone selection: On/Off

Cooling medium: Ambient air

Process gas: Air

Conformity: CE

Housing colour: RAL7035

Ambient conditions: max. 30°C, max. 60% rh

Electrical connection: 1.0 kVA, 230V, 1-ph; 50/60 Hz,

Connections:

- Water inlet: DN25, PVC glued socket
- Water outlet: DN25, PVC glued sleeve

Dimensions:

(LxWxH): 600x600x1800 mm

Weight: 100Kg

Options:

- Ozone gas warning device for room air monitoring.
- Customised versions on request.

