

CWS Ozone Water Filtration System



The CWS Systems will produce ozone from 2 to 100 g/hr and filter water at flows from 10 to 100 GPM. This system comes with the Ozone Injection System plus water filtration all on one skid.

COMMON APPLICATIONS

- Remove iron and manganese from water
- TDS solid reduction
- H₂S removal from water
- Water reuse applications

CWS TECHNOLOGY

Complete Water Treatment System integrates ozone and filtration for a turnkey solution to your water treatment needs. Ozone can be used to oxidize many minerals and metals from water efficiently. However, filtration is required to effectively remove the oxidized contaminants from water. These systems incorporate ozone production, ozone mass transfer into water, and water filtration on one turnkey skid.

SYSTEM FEATURES

- Turnkey ready to operate
- Ambient ozone safety sensor
- Automated operation
- CPVC piping is used for maximum ozone resistance
- Ozone produced from oxygen
- Water cooled Ozone Generator with closed loop chiller
- Great mass transfer of ozone into water
- Compact design
- Capable of very high dissolved ozone levels

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| Model | O ₃ Production (g/hr) | O ₂ Flow (LPM) | % O ₃ | Water Tank | Water Filtration (GPM) |
|---------|----------------------------------|---------------------------|------------------|------------|------------------------|
| CWS-2 | 2 | 6 Air | 1.5 | 10 gallons | 10 – 20 |
| CWS-4 | 4 | 6 Air | 3 | 10 gallons | 10 – 30 |
| CWS-8 | 8 | 2 | 4.7 | 20 gallons | 10 – 50 |
| CWS-16 | 16 | 4 | 4.7 | 20 gallons | 10 – 70 |
| CWS-24 | 24 | 6 | 4.7 | 30 gallons | 20 – 100 |
| CWS-35 | 35 | 7.5 | 5.3 | 40 gallons | 30 – 100 |
| CWS-50 | 50 | 10 | 6 | 50 gallons | 30 – 100 |
| CWS-65 | 65 | 10 | 7.5 | 50 gallons | 30 – 100 |
| CWS-80 | 80 | 15 | 6 | 50 gallons | 30 – 100 |
| CWS-100 | 100 | 15 | 7.8 | 50 gallons | 50 – 100 |

WE CUSTOMIZE EACH SYSTEM TO MEET YOUR APPLICATION REQUIREMENTS!

CONTACT US TO DETERMINE THE BEST SET UP TO FIT YOUR NEEDS!

COMPONENTS INCLUDED

- Oxygen Concentrator
- Ozone Generator
- Ozone Injection Pump
- Ozone Venturi and mixing system
- Ozone contact tank
- Water pre-filter
- Redundant back-washable sand-filters
- Water post-filter
- Main system control panel
- System skid and necessary tubing/ancillary equipment

