

Consultants Update

COVID-19

Marilyn Dempsey

DHS/EPA/OSHA Consultant

Gases & Welding Distributors Association

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Discussion Topics

- Current state of COVID-19
- Alternative Cleaning from CGA (SA-35)
- OSHA reporting of Coronavirus

Current State of COVID-19



Coronavirus COVID-19 Global Cases by the Center for Systems Science and Engineering (CSSE) at Johns...



Total Confirmed

164,785

Confirmed Cases by Country/Region/Sovereignty

164,785 US

101,739 Italy

94,417 Spain

82,276 China

67,051 Germany

45,209 France

44,605 Iran

22,465 United Kingdom

16,176 Switzerland

12,775 Belgium

12,662 Netherlands



Total Deaths

3,173

914 deaths
New York City **New York** US

278 deaths
Unassigned **New York** US

198 deaths
Unassigned **New Jersey** US

150 deaths
King **Washington** US

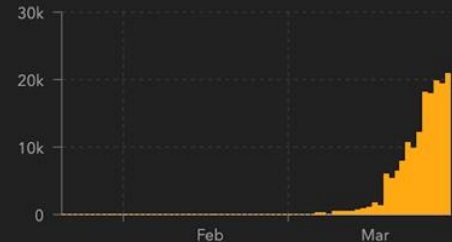
86 deaths
Orleans **Louisiana** US

83 deaths

Total Recovered

5,945

5,945 recovered US



Confirmed Logarithmic Daily Increase

179

countries/regions

Lancet Inf Dis Article: [Here](#). Mobile Version: [Here](#). Visualization: JHU CSSE. Automation Support: [Esri Living Atlas team](#) and [JHU APL](#). Contact US. [FAQ](#).
Data sources: WHO, CDC, ECDC, NHC, DXY, 1point3acres, Worldometers.info, BNO, state and national government health departments, and local media reports. Read more in this

P-83 Cleaning Cylinders

- The cleaning method shall not have a detrimental effect on the medical gas container, valve, and other accessories and shall be approved by the gas supplier
- When cleaning untreated metallic parts of a medical gas container, avoid using cleaning agents that contain ammonia, amine-based compounds, or chlorine-based compounds (such as bleach)
- The healthcare facility should contact the gas supplier if there is any doubt concerning the method to be used to clean the container.
- They should report whether they have cleaned the medical gas container

Accepted Method

After the contamination has been removed, the medical gas container shall be disinfected using

isopropyl alcohol (IPA) or equivalent disinfectant wipes

Disinfection agents shall be approved by the gas supplier and used in accordance with the manufacturer's recommendations.

The application of alcohol-based disinfectants shall be limited to prevent excessive amounts on the valve and/or cylinder that could cause a potential fire risk.

Ensure that all residual disinfection agents are removed from the medical gas container.

SB-35 Alternative Cleaning

Questions have been recently asked whether compressed gas containers may be washed with soap/water solutions, or disinfected using a dilute bleach/water solution following CDC recommendations

if external contamination is suspected when containers are returned from healthcare facilities or patients' homes

and the customer has not acknowledged their responsibility to return uncontaminated containers or could not adequately clean the container.

SB-35 Alternative Cleaning

During the COVID-19 crisis, consideration may be given to the use of

- soap/water solutions to clean,
- or a dilute bleach/water solution followed by a clean water rinse

to disinfect returned containers that may not have been properly cleaned and decontaminated.

IF isopropyl alcohol (IPA) or other flammable disinfectants are used as a spray application to disinfect containers, great care must be taken to ensure that there is no residual left in the valve outlet prior to the cylinder being refilled.

Such consideration should carefully weigh immediate cleaning concerns against possible longer-term effects on the container and the valve.

References

[1] CGA P-83, Guidelines for Cleaning Externally Contaminated Medical Gas Containers, Compressed Gas Association, Inc.

www.cganet.com

[2] CGA V-12, Leak Detection Fluids Use with Gas Cylinder Package, Compressed Gas Association, Inc. www.cganet.com

[3] Centers for Disease Control and Prevention, Environmental Cleaning and Disinfection Recommendations,

www.cdc.gov/coronavirus/2019-ncov/community/organizations/cleaning-disinfection.html

[4] CGA SB-35, Cleaning of Cylinders Returned from Healthcare Facilities During a Pandemic, Compressed Gas Association, Inc.

www.cganet.com

OSHA Reporting of COVID-19

- **Confirmed case of COVID-19**
- **Qualifies as Work Related**
- **Medical Treatment beyond First-aid**

Contact Info

Marilyn Dempsey

- Mobile: 940-999-8466
- Email: Marilyn@safetydragons.com