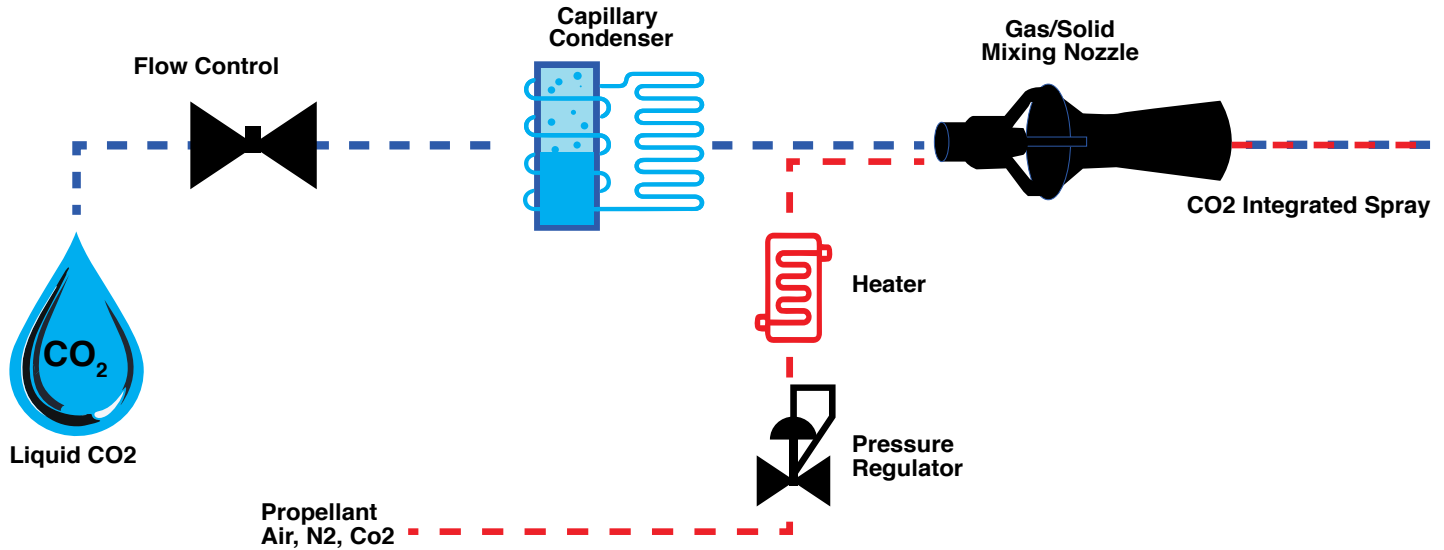


Integrated Spray CO2 Technology



Introducing the Future of Medical Parts Cleaning at Fisher Barton: CO2 Clean.

CO2 cleaning process is an innovative surface cleaning designed with a commitment to both efficiency and environmental responsibility. Harnessing the power of recycled CO2 from other manufacturing processes, this cutting-edge system boasts a fully automated interface that stores product-specific recipes, ensuring a precise and error-free cleaning process.

As medical parts are loaded into the CO2 chamber, a meticulous dry-cleaning process commences, utilizing a combination of compressed air and cold CO2. The high particle velocities penetrate the boundary layer, delivering impeccable cleaning to the coating. What sets CO2 Clean apart is its non-abrasive nature. The low hardness of CO2 particles ensures the removal of overspray without causing any damage. Moreover, CO2 Clean is a non-toxic, non-hazardous process that eliminates the need for detergents, common in other cleaning methods.



Recognized by the USEOA as a safe and preferred industrial process technology, CO2 Clean is an FDA-approved process effective for cleaning tooling and implantables.

Adhesion

Shear testing revealed no change in adhesion between the ultrasonic and CO2 cleaned parts. Fisher Barton can provide sample parts and data upon request.

Bio-compatibility

The current cleaning process is an ultrasonic cleaning process which uses Liquinox. This process has shown to be bio-compatible. The new cleaning process with CO2 eliminates the detergent Liquinox, using only ISO Class 2.2.2 CDA and beverage grade CO2. SEM comparison report available upon request.

CO2 cleaning has been FDA approved for tooling and implantables.

What is Co2 Cleaning?

- The use of an abundant gas for use in critical cleaning applications
- EPA approved as a Significant New Alternative Process (S.N.A.P.)
- FDA approved cleaning for both tooling and implantables
- In FDA approval for sterilization of PPE