



Glovebox / Isolator Technology



stainless steel
specialist

Pharma, Radiological, Research, Industry

Glovebox / Isolator Technology

For over 50 years, the name Flanders stands for quality-built, innovative products. Starting in 1950, the company pioneered the HEPA filter industry. As the cleanroom industry developed in the 1960s, Flanders led the way with its fluid seal technology. In the 1970s, Flanders became a dominant manufacturer of filter housings for the containment of chemical, biological, radiological or other dangerous airborne contaminants.

In the early 1990s, Flanders/CSC began to manufacture Department of Energy (DOE) Gloveboxes and other process enclosures. In 1994, Flanders Absolute Isolation (FAI) was created to meet the increasing demand for isolators used in the pharmaceutical and biotechnology industries. Most recently, Flanders/CSC and Flanders Absolute Isolation (FAI) have merged to provide a full range of high quality equipment that will include high efficiency carbon adsorbers, ceiling hoods, low-leak and bubble-tight dampers, containment filter housings, remote operated (hot cell) filter housings, gloveboxes, pharmaceutical enclosures, laminar flow modules, downflow booths and clean benches.



For over 50 years, the name Flanders stands for quality-built, innovative products...

Custom Design Application



As each customer is unique, we believe that each Glovebox and each Isolator is unique. Flanders Corporation employs a full staff of design engineers to tailor each equipment order to the specifications and desires of the customer. An extensive design and review process is integrated into each order.

All products developed in our engineering department are prepared for examination by the customer through detailed drawings and models. The addition of Solid Modeling

Design software to our process has provided an ability for each product to be reviewed in a 3-D environment. This aids the end user in the ability to study the size, placement and ergonomics of each device prior to manufacturing. This ability places the user's needs at the forefront of each unit.

Incorporation of Clean In Place (CIP), Human Machine Interface (HMI), Complex Controls, Filtration Systems, Sterilization, and Atmospheric Monitoring systems are just a few systems that Flanders regularly incorporates into custom systems.

Special Materials of fabrication, coatings, finishes and ancillary devices are common to our production facility. If there is a special need required, Flanders stands ready to research, design, specify and manufacture to the exacting demands of each unit application.

Because Flanders Corporation is the Foremost in Air Filtration, the Glovebox / Isolator Division part of the corporation has access to the finest filtration engineering and design in the Industry.

Flanders stands ready to research, design, specify and manufacture....



Commitment To Quality

Flanders Operates under a World Class
NQA-1 Quality Assurance System

Our Quality Assurance System is
routinely audited by many of
our customers

Material Traceability and Certification

All Welders ASME Section IX
Certified in 3 Positions

Complete System Testing

Pressure Decay, Helium Leak,
Ultrasonic, Radiographic &
Non Destructive
Weld Examination



At Flanders Corporation the commitment to quality is the top priority. We are committed to delivering a high quality product that meets the customer's requirements. A rigorous quality assurance program controls all aspects from order entry to shipment. Our engineering staff works closely with the customer or outside design firms to ensure the product meets the design requirements. Stainless steel construction with material traceability is a specialty. A variety of surface finishes are available.

All welders are qualified to ASME Boiler and Pressure Vessel Code Section IX. Non-Destructive Examination (NDE) testing personnel are on staff to perform any type of testing required. Qualified electricians are available for integrating electrical equipment and controls. Customer satisfaction is the principal concern that drives the quality program.

Flanders operates under an NQA-1 Nuclear Quality Assurance Program. This program follows the original 18 Points of Criteria set up to govern the Nuclear Industry by the Nuclear Regulatory Committee. This is important in that your Glovebox or Isolator will be designed, manufactured, inspected and tested under the same strict requirements as the units being built for the nuclear industry

Contact Information:

Flanders Corporation
Glovebox / Isolator Sales
531 Flanders Filters Road
Washington, NC 27889

Phone: 252.946.8081
Fax: 252.946.3425

Gary Chrismon, Director
Cell: 252.944.1171

www.flanderscorp.com

PB5000-0409

