

You're Looking At The Future Of
STERILE PHARMACEUTICAL FILLING



And The Good News Is . . .

IT'S AVAILABLE AND AFFORDABLE TODAY !!



ISOLATOR FILLERS FROM:

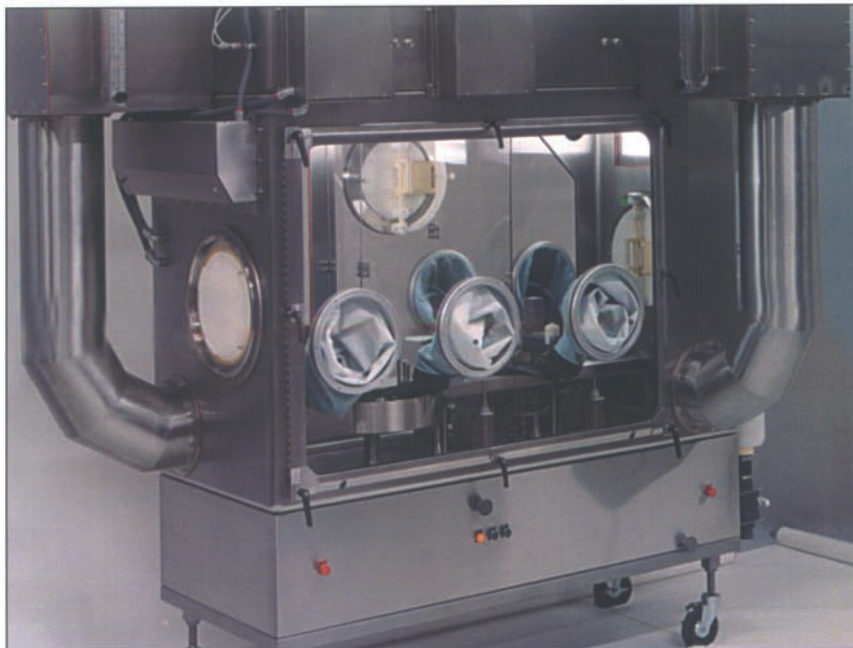
M&O Perry Industries

In developing the model P2100 series we started with a narrow, reliable and flexible filler design. It uses stainless steel columns with air tight seals to contain all drive and adjustment mechanisms. These columns are then sealed and welded to the sloped stainless steel top plate of the filler (see photo on right). Sanitary drains are optional. Next, the mainframe of the isolator enclosure is welded to the filler top plate. The weld joint is ground and polished to create a smooth, seamless interior surface to eliminate air leaks or crevices the might allow microbial penetration. These design features make the model P2100 series fully compatible with VHP (Vapor Phase Hydrogen Peroxide) sterilization, and wash down by optional spray balls. The narrow filler design allows for easy access to all critical areas through the use of glove ports located on either side of the filler.



P2110

The P2100 series isolator filler is designed for use in a research, clinical, or low speed batch production application. **It can also be designed for filling of potent, cytotoxic, radioactive, or other hazardous products.**



P2100

LIQUID FILLERS:

- Positive Displacement Pumps.
- Peristaltic Pumps.

POWDER FILLING:

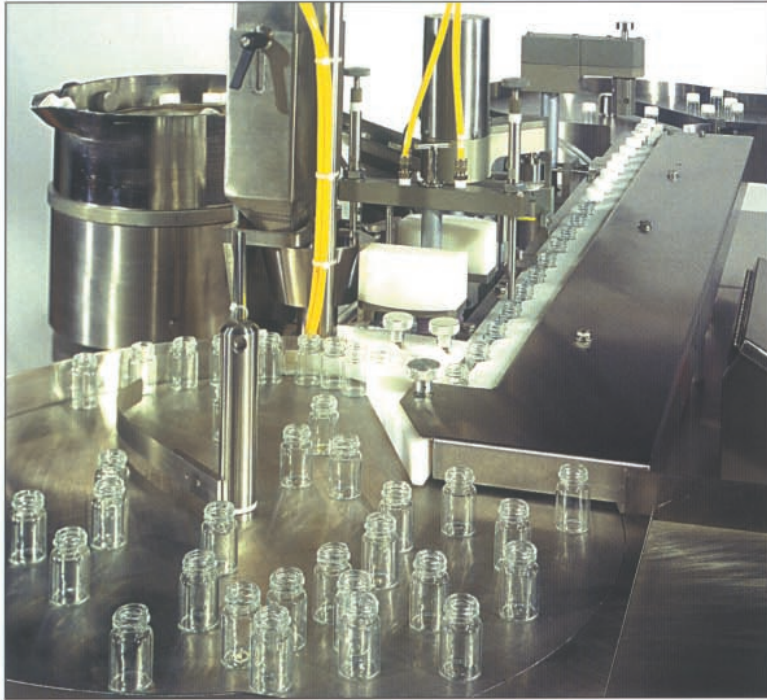
- **ACCOFIL**® Vacumetric Filling System.

LIQUID FILL MODELS:

- P2100 – Liquid Filling and Stoppering.
- P2110 – Liquid Filling, Stoppering, and Crimp Sealing.
- P2120 – Liquid Filling, and Screw Capping.
- P2130 – Liquid Filling, Dropper Tip, and Screw Capping.

POWDER FILL MODELS:

- P2105 – Powder Filling and Stoppering.
- P2115 – Powder Filling, Stoppering, and Crimp Sealing.
- P2125 – Powder Filling and Screw Capping.



P2115

Our customers have achieved better than class 10 conditions inside the isolator, while filling, stoppering and aluminum seal capping with our model P2100 series fillers located in class 100,000 rooms.

The photo below shows a transfer cart used to supply or remove trayed vials from a model P2100 isolator filler.

P2100 Series isolator fill lines have received FDA approval and are now in operation.

We can work with your isolator enclosure vendor-of-choice.

If you are considering isolation for your next sterile liquid or powder filling project, please contact us and let our considerable experience help to guide you through the complexities.

**P2100 SERIES
ISOLATOR FILLER FEATURES:**

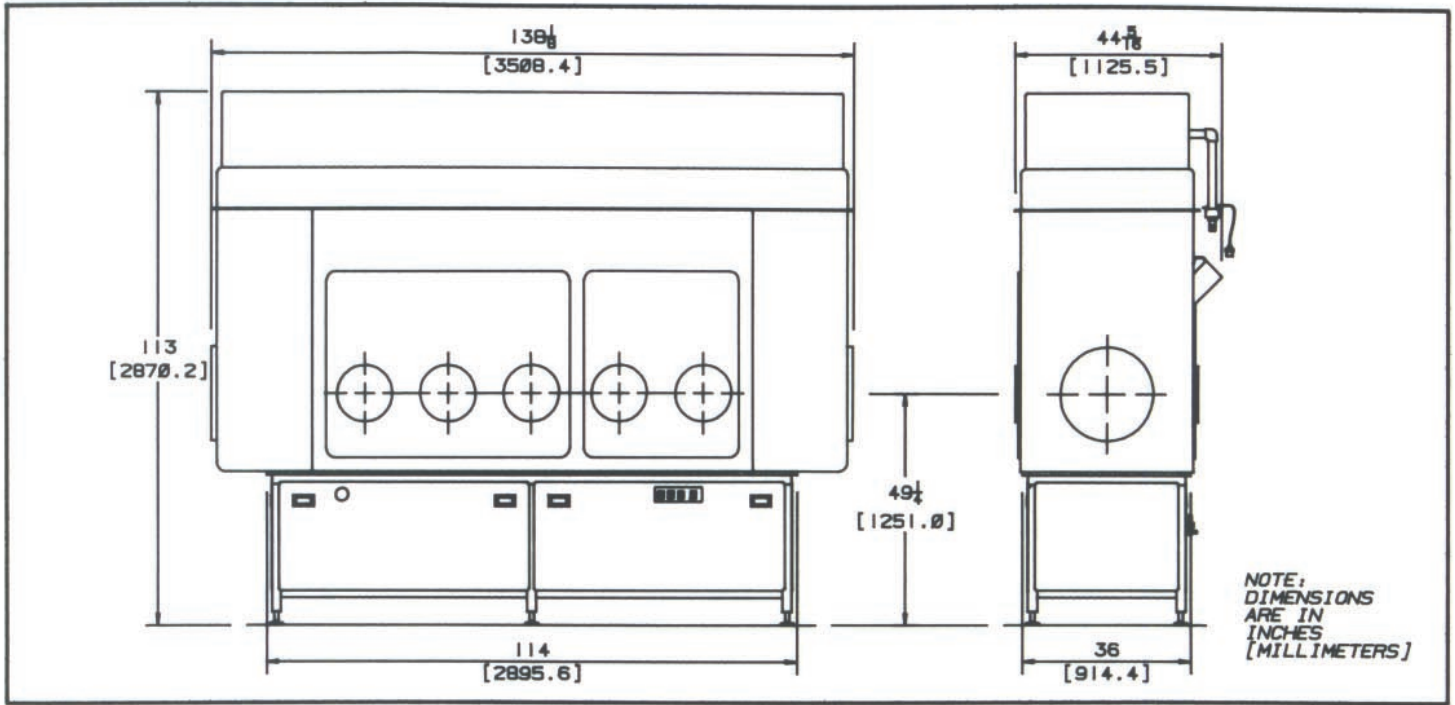
- Narrow, Compact Design.
- Simple, "Single-Tooled" Stations.
- "No Tool" Change Over.
- "V-Block" Container Handling.
- Touch Screen / PLC Controlled Operation.
- VHP Sterilization Compatability.

OPTIONS:

- Diving Needle, or Bottom-Up Filling.
- Gas Flush System.
- Aluminum Seal-Force Gauge.
- Screw Cap Torque Feedback.
- CIP / Washdown of Isolator Enclosure.
- VHP Generator System.



P2110



SPECIFICATIONS:

CONTAINER SIZE RANGE

- DIAMETER: 15mm to 55mm
- HEIGHT: 32mm to 100mm
- FINISH: 13mm to 28mm – Stoppers, crimp seals
12mm to 32mm – Screw caps

PRODUCTION RATE

- 25 to 45 Containers/Minute
(Depending on the fill characteristics of your product and the type of operations performed by the filler)

CONSTRUCTION

- Pharmaceutical Grade Standards
- Bead Blasted Stainless Steel Frame
- 316L Stainless Steel Contact Parts
- 316L Stainless Isolator

UTILITY REQUIREMENTS

- ELECTRICAL: 120VAC – 60 HZ
- AIR: 8 to 10 CFM @ 100 PSI
- VACUUM: Internally generated

Photographic illustrations, drawings and specifications are subject to change without notice. Drawing dimension are not to scale and are approximate. Machines shown without guards in place are for illustrative purpose only. Supplied guard devices must be installed before the machine is operated. All sales are subject to M&O Perry Industries, Inc. prevailing terms and conditions of sale.

DESIGNED, ENGINEERED & MANUFACTURED IN U.S.A.



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