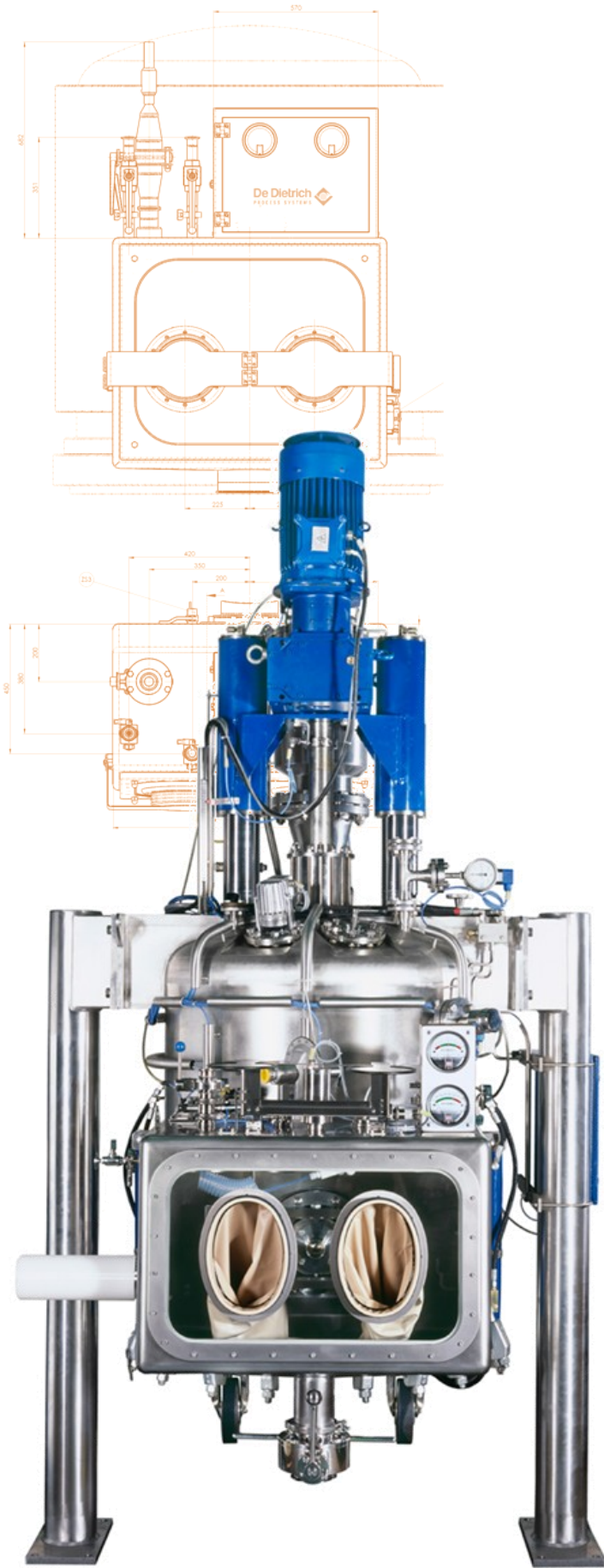
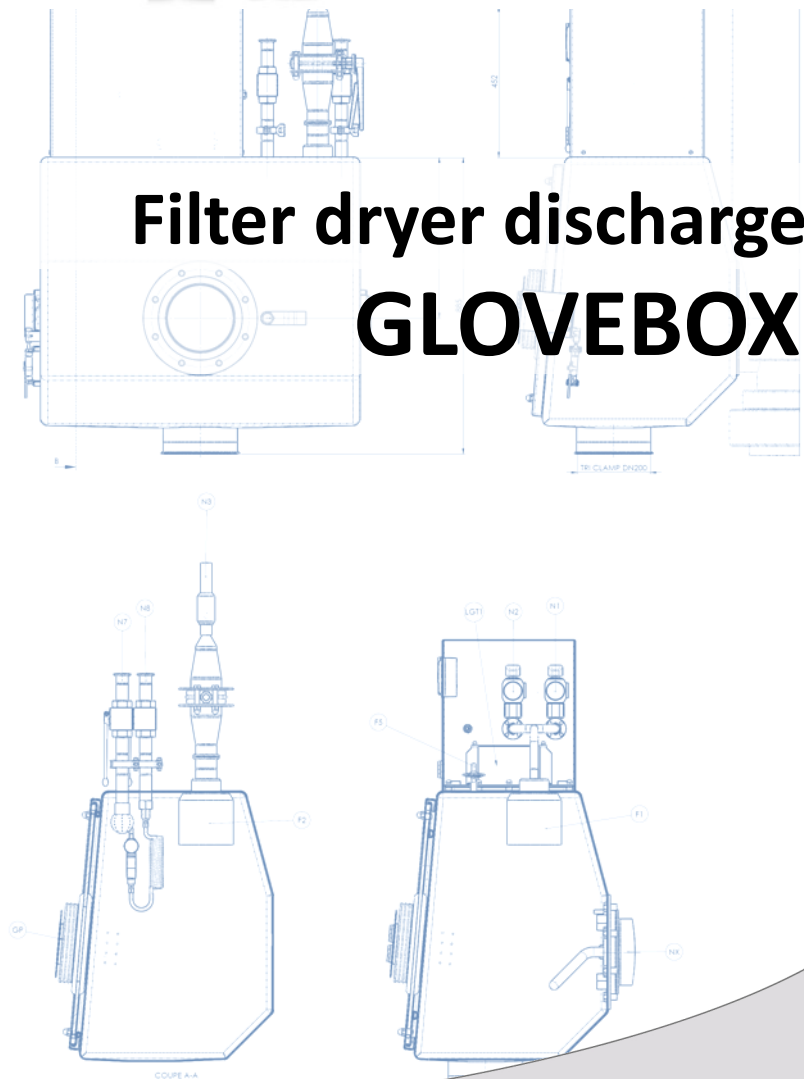


DE DIETRICH PROCESS SYSTEMS SEMUR SAS



Filter dryer discharge
GLOVEBOX



CONTAINMENT...

The De Dietrich® discharge glovebox allows the contained discharge of your dryer or filter-dryer. Particularly suited for the **handling of cytotoxic or highly potent material (HPAPI)**, the De Dietrich solution has been designed with particular attention to ergonomics and practicality, whilst also maintaining cleanability. This makes the design particularly suited to the pharmaceutical industry.

The rigid discharge glovebox has the following advantages :

- **Creation of a microenvironment limiting impact on the cleanroom.**
- **Reduction of the need for PPE (Personal Protective Equipment).**
- **Full recovery of the product heel.**
- **Limited total life cycle cost.**



Technical specifications

- **Fabrication with radiused angles and corners.**
- **Good ergonomics : Limited depth, handling grips suited to the use of gloves.**
- **Cleaning In Place : Spray ball and spray gun.**
- LED Lighting (external mounting).
- HEPA H14 Filtration.
- Glove access barrier for safety.
- Innovative simple-to-use filter dryer plug (mechanism free).
- Discharge slide to assist powder towards the discharge port
- Heel scraping tool.
- Indication of the working pressure and filter differential pressure.
- **Discharge in Rapid Transfer Port (RTP), split butterfly valve, continuous liner, etc.**



Radiused corners

FROM SIMPLE DESIGNS...

... TO MORE SOPHISTICATED ONES

ATMOSPHERE	Room Air ⇨ Air purge ⇨ Nitrogen purge
EXTRACTION	No extraction (passive system) ⇨ Fixed speed extract ⇨ Pressure control circuit
FILTRATION	Screwed filter cartridges ⇨ Push-push filters
AUTOMATION	Manual controls ⇨ Fully automated system (via HMI)

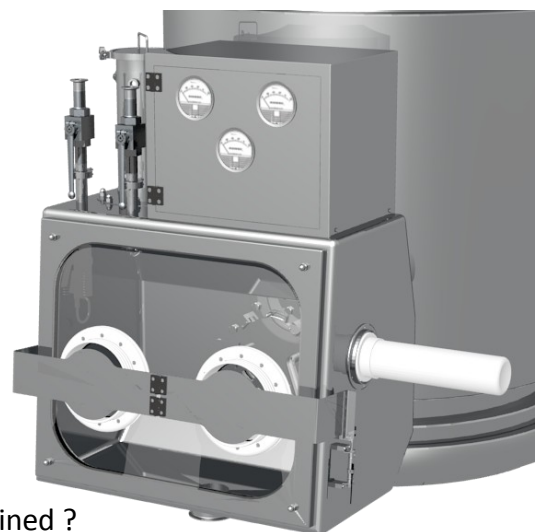
Depending on your process, space and containment requirements, we will help you decide on the most effective design in term of cost and performance, avoiding unnecessary features .

A ONE STOP SHOP

The glovebox control system is integrated with the filter dryer's, and includes extraction, safety interlocks. The discharge procedure (with final manual heel scraping) is included in the control system.

Cleanability and flexibility

The interface between the glovebox and filter dryer is very close to the vessel wall, thereby reducing hold up. The vessel plug is hingeless and allows quick and easy sealing of the filter-dryer without any complicated mechanisms inside the glovebox.



UPGRADE YOUR EXISTING MACHINE

Need to upgrade an existing piece of equipment to make it more contained ?

Our standard design retrofits on existing standard filter dryer pads without any major work on the vessel :

- No alteration or welding on the vessel.
- Fully interchangeable with a standard discharge valve.
- Minimal downtime.

De Dietrich Process Systems advantages

- **Designed and built by De Dietrich®** : respect of quality, cost, lead time.
- **Easily retrofitted** on existing equipment, interchangeable with a standard side discharge valve.
- **Easy to use** : the control systems of the glovebox and filter-dryer are integrated.
- **GMP Pharma design** : limited number of parts, easy to clean.
- **Modular design, easily adapted to your requirements.**

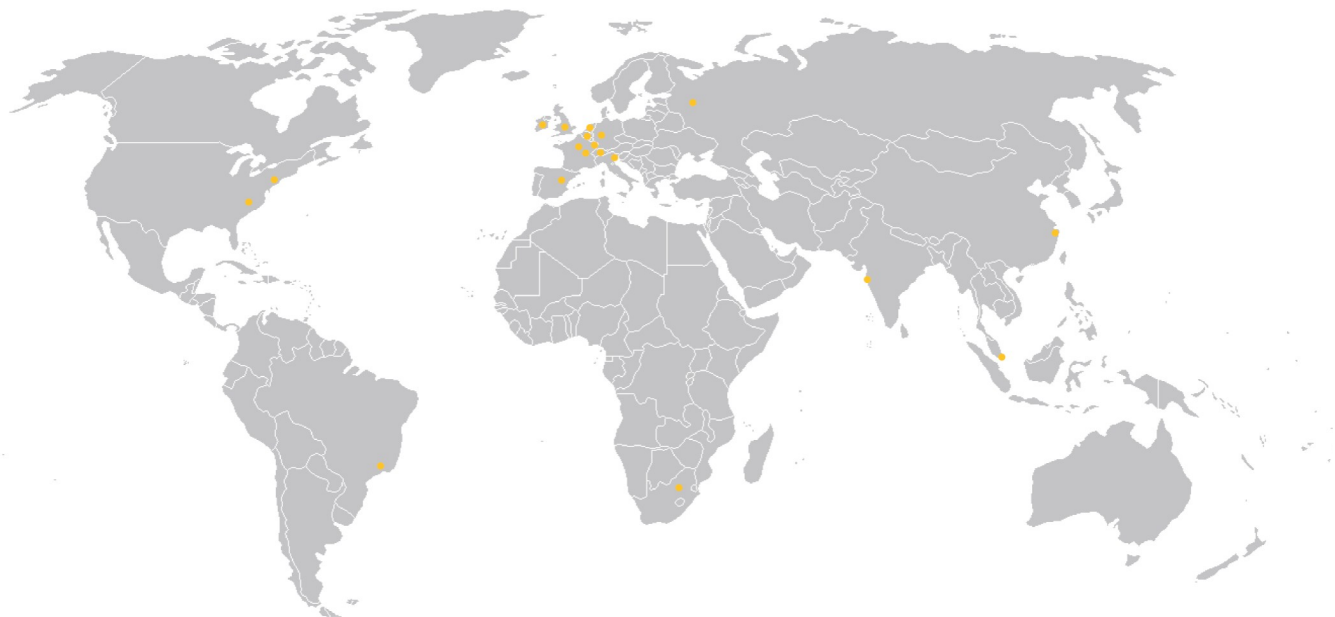
DE DIETRICH PROCESS SYSTEMS SEMUR

The Semur site is a competence centre of the De Dietrich group for filtration and drying process and equipment. Combining process knowledge (with a trials laboratory on site) with equipment manufacturing know-how (engineering office and workshop combining machining, fabrication, polishing and assembly), De Dietrich Process Systems Semur is your partner for filtration and drying projects.



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The international business group De Dietrich Process Systems is the leading provider of system solutions and reactors for corrosive applications as well as plants for mechanical solid/liquid separation and drying. The system solutions from De Dietrich Process Systems are used in the industrial areas of pharmaceuticals, chemicals and allied industries.

www.dedietrich.com

