

Exceptional specialist solutions for flawless cleanliness

Protina Pharmazeutische GmbH in Ismaning appreciates the creativity and flexibility offered by door manufacturer EFAFLEX

Protina Pharmazeutische GmbH has put a marker down for the future: On the company premises adjacent to the building dating from the 1980s, a new building has been built which offers enough space for continuous growth. The new filling and packaging areas are safely shielded by clean room doors from EFAFLEX. In the past twelve years, the specialists for high-speed industrial doors have installed 35 EFA-SRT® CR clean room doors at Protina, as well as five other types of door in both the new and old buildings.

“The new building was a huge project,” explains Stefan Gutberlett, Head of Production and Project Manager for the conversion of the new and existing facilities at Protina. “But believe me: the conversion work in the existing buildings has been the biggest challenge!” Although the various areas in the factory are different, the doors all have the same requirements regarding installation and functionality. At the emergency escape route for instance, he explains that the door had to adapt to a relatively narrow opening. In addition, it didn’t have to be pressure tight, but it did have to be easy to clean. “As a clean room door with a normal closing curtain box wasn’t necessary for the emergency escape route, EFAFLEX found a very good specialist solution with a special cover.”

On a guided tour of the company, Stefan Gutberlett tells us that the door specialist is a good partner. “When we had to complete an important construction phase on time, EFAFLEX succeeded in arranging the replacement of the Soft Touch doors with the EFA-SRT-CR-P doors for us in just five weeks.”

He pauses in front of a door lock system. The clean room door opens on the opposite side and a vehicle enters the lock area. After the door has closed again, there is a wait before the second door opens in the direction of travel and the vehicle is able to exit the lock. “We work with pressure cascades”, explains the head of production. “That’s why the doors are equipped with an interlock system. The second door only opens when the

corresponding air pressure has been set in the lock once again, so that an overflow into the black zone is ensured at all times and the clean areas are always under overpressure.” He also points out a special feature: the vehicle in the lock is a driverless transport unit and communicates with the door control.

Another door feels warm to the touch. The door shuts off the drying booth from the rest of the container drying area. “Here, all the format parts and equipment for the cleaning are dried at 40 degrees Celsius after the wet cleaning. The plastic door curtain is also able to withstand these comparatively high temperatures 24 hours a day.

Stefan Gutberlett summarises matters: “EFAFLEX are, quite simply, great fun to work with. Just as our company philosophy is to respond flexibly to our customers’ wishes, this door manufacturer adapts to our needs and requirements.”

A leading manufacturer of mineral substances: Protina company information

The independent medium-sized family business is now in its third generation, and has been an expert in high-quality organic mineral compounds for more than 100 years. Protina specialises in the field of mineral research. For this purpose and for the further development of its products, the company works closely with several different universities and scientific institutes. Clinical studies prove the effectiveness and efficacy of its products.

Its core competencies are in the development, approval, production, and marketing of innovative health products in the field of OTC medicines and food supplements for both Germany and abroad. The Basica® and Magnesium-Diasporal® brands are among the leading OTC brands in German pharmacies. At the company’s head office and production facilities in Ismaning near Munich, its full range of products is available from one single source: from the research through to the distribution of the “Made in Germany” Protina supplies products to 26 countries worldwide. In some international markets, the pharmaceutical company has achieved the position of market leader.

EFA-SRT® CR technical information

The CR Series clean room doors from EFAFLEX have been awarded ISO class 5 (254 EFA-SRT® CR Premium) and/or ISO class 6 (678 EFA-SRT® CR Efficient and 675 EFA-STT® CR) certificate, for the clean room suitability of the operating medium as regards air particle purity from TÜV Süd. They are perfectly adapted to the requirements in controlled production zones and ensure that the access points are virtually airtight. The high performance high-speed doors have a smooth surface structure and don't have any protruding edges. They can be easily cleaned and a depositing of particles can largely be excluded. The GMP-compatible door types in the CR series are largely made from V2A.

Like all EFAFLEX high-speed doors, thanks to their excellent quality, their clean room doors are exceptionally heavy duty and low maintenance. The most important attribute of the EFAFLEX clean room doors is their high level of air tightness which makes a major contribution to the cost savings in clean rooms, as well as the modular design in the clinic aesthetics.

Due to their design and considerable air tightness, the EFAFLEX CR Series high-speed doors for GMP-compatible clean rooms are suitable for installation in clean rooms up to ISO class 5 according to DIN EN ISO 14644.

The clean room doors are the perfect closing solution for rooms with differing pressure conditions. The rapid opening and closing increases the cost efficiency in the clean room, reduces the air loss and keeps the filter load low.

EFAFLEX company information

EFAFLEX manufactures high-speed doors for industrial applications. Founded in 1974, the company is used by customers from the world of industry, trades, food manufacturing and the chemical and pharmaceutical sectors. EFAFLEX is the only manufacturer of high-speed industrial doors to have been registered in the world market leader index and is therefore one of the 461 top companies in Germany, Austria and Switzerland. The family-owned business has more than 1,400 employees worldwide. With its headquarters in Bruckberg, Bavaria, Efaflex is firmly established as the largest employer in the region. Furthermore, with ten subsidiaries on five continents, the company is opening up international markets. More than 60 percent of EFAFLEX's revenue is generated abroad.

EFAFLEX Editorial:

Ms Julia Holzner

Tel.: +49 8765 82-590

Email: julia.holzner@efaflex.com

Web: www.efaflex.com