

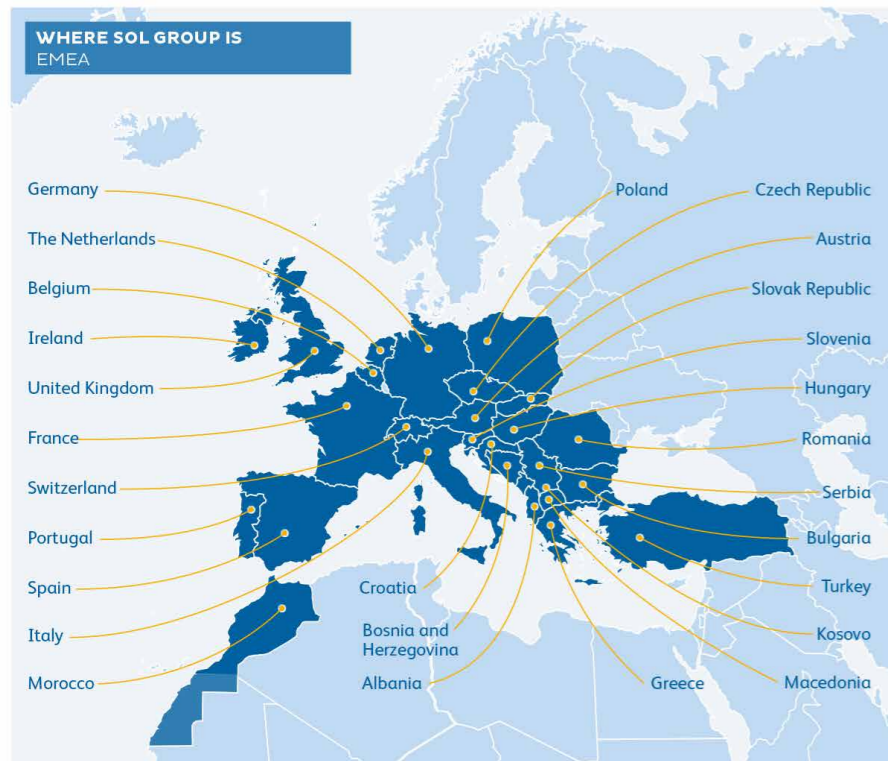
Established in 1927 in Italy, **SOL Group** is active in the production, applied research and sale of technical, pure and medical gases and home care service, in cryobiology and in biotechnology and the production of renewable energy.

Worldwide offices in 29 countries with more than 4,000 employees and more than 50,000 industrial and civil clients, 500 Medical Centers and 400,000 patients, cared for every day.

Its knowledge and strength gained over decades of experience give to SOL Group the Automated systems for a safe liquid nitrogen supply opportunity to offer highly qualified and customized solutions and services.

SecurFill

Automated systems for a safe liquid nitrogen supply



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SOLGROUP
a breath of life



Automated systems for a safe liquid nitrogen supply

The ideal solution for the use in Repositories, Biobanks, Universities and Research Centers, Zooprophyllactic Institutes, IVF Centers, Dermatology Departments and Pharmaceutical Companies

SOL for cryobiology

SOL Group is a European leading company in the creation and management of cryobiological repositories and biobanks. SOL Group is the official distributor for leading world manufacturers of dewars and freezers. The SecurFill line is a further innovation introduced by SOL, in a market that requires ever more safe and performing instruments. SecurFill is an innovative CE-marked system, developed by the SOL Group in Italy and covered by European patent (EP3077719), for the automatic filling of liquid nitrogen dewars in absolute environmental safety.

Easy to use:

- biologists/researchers
- non technical staff



Easy management

- Quantifies and distributes the product drawn by each user
- Internal scales measure the nitrogen level and records consumptions/anomalies
- Calculate consumptions for each department
- Badge access
- Possibility to export alarm signals to external supervision systems



Safety

- Avoids the manual filling of the dewars
- Avoids frostbites and burns
- External/Internal installation
- Complete of oxygen detectors
- Emergency button



SecurFill 6.0



SecurFill Plus



SecurFill Evolution



Main References

Tiroler Kliniken, Innsbruck (Austria);
 University Medical Center Utrecht (Netherlands);
 University Medical Center Hamburg-Eppendorf (Germany);
 Ceva Sante Animale Romania srl, Bucuresti (Romania);
 University Medical Center Semmelweis, Budapest (Hungary);
 Institut National Recherche Agronomique, Nouzilly (France);
 Tor Vergata University, Rome (Italy);
 Torrette Hospital, Dermatology Department, Ancona (Italy);
 Pesaro Central Hospital, IVF Center (Italy);

Kedrion Biopharma Spa (Italy);
 Macerata Hospital, Dermatology Department (Italy);
 San Marino Republic Hospital, Dermatology Department;
 Fossano IVF Center Hospital, Cuneo (Italy);
 Bruneck Hospital (Italy);
 Brescia University, Medicine Faculty (Italy);
 Perugia University (Italy);
 Ferrara University (Italy);
 Bologna University (Italy);
 Italian Technology Institute, Genova (Italy).



SecurFill 6.0

SecurFill 6.0 version is ideal for the liquid nitrogen pouring from pressurized vessels to small capacities open dewars (up to 6 l), mainly used for applications in dermatology.

SecurFill Evolution

SecurFill Evolution version can be connected to the external liquid nitrogen tank for an easy filling of pressurized vessels, dewars with biological samples and open dewars up to 6 l.

SecurFill Plus

The SecurFill Plus version allows the simultaneous filling of nitrogen/ samples storage dewars and open dewars up to 6 l, from an internal pressurized vessel.

SecurFill LAB

SecurFill LAB allows the automatic filling of dewars for biological samples and open dewars up to 6 l, from an external liquid nitrogen tank.

SecurFill	6.0	Lab	Plus	Evo
Dimensions (mm) (W x H x D)	750 x 1970 x 650	750 x 1970 x 750	1500 x 1970 x 750	1500 x 1970 x 750
Empty weight (kg)	170	275	390	400
Type of supply	From pressurized vessel (W x H x D) max mm 600 x 1000 x 500	From cryogenic tank max 2,2 bar	From pressurized vessel (W x H x D) max mm 670 x 1700 x 620	From cryogenic tank max 2,2 bar
Maximum filling capacity	Open dewar max 6 l Dewar sample transportation max 3 l	Open dewar max 6 l Cryobiological dewar max 50 l Dewar sample transportation max 50 l	Open dewar max 6 l Cryobiological dewar max 50 l Dewar sample transportation max 50 l	Open dewar max 6 l Cryobiological dewar max 50 l Dewar sample transportation max 50 l Pressurized vessel (W x H x D) max mm 670 x 1700 x 620