BABY PHILL
SMALL BATCH VIAL FILLING SYSTEM

Simple Installation

Compact dimensions

Easy to use

Optimal Cost/Quality

Fast changeover

COMECER
an ATS company

BABY PHILL

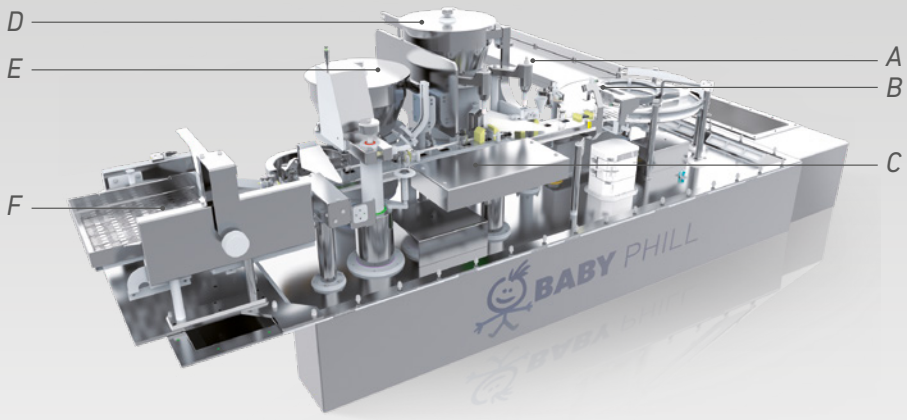
Aseptic filling machine for the production of small batches in R&D, Pharmaceutical or ATMP

- *Compact and clean GMP design*
- *Smart interface to other equipment (lyophilizer etc.)*
- *Class A laminar flow isolator or RABS*
- *Integrated VPHP generator*
- *Ready for disposable technology*
- *Integrated environmental monitoring*
- *Production of liquid or lyophilized vials up to 1000 pieces/hour.*

ALL-IN-ONE
PLUG-AND-PLAY

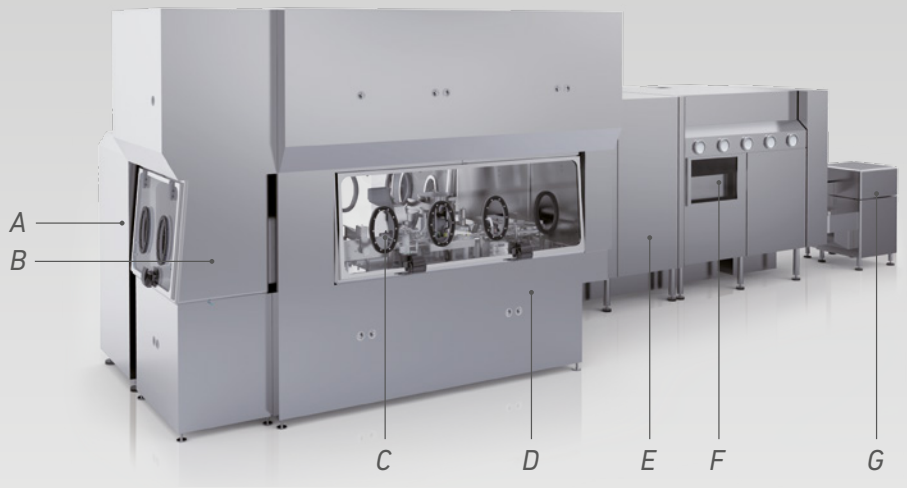
Customized configurations

The Baby Phill can be configured with different upstream and downstream ancillary systems to build the complete package. From the vial loading prechamber, the washing and depyrogenation systems, to vial outlet, the different solutions are implemented in order to fully address the specific applications.



Filling Station

A. Vial accumulator
B. Rotating table
C. Walking beam
D. Stoppering positioning and insertion
E. Crimp positioning and crimping
F. Vial outfeed



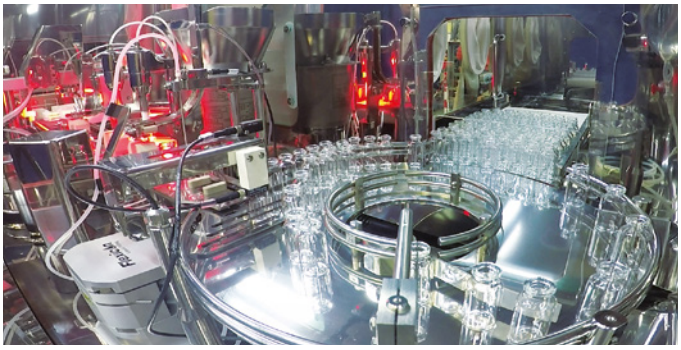
Complete Line

A. Integrated lyophilizer
B. Unloading chamber lyophilizer charging/ discharging
C. Baby Phill
D. Class A Isolator
E. Loading chamber
F. Sterilization and depyrogenation tunnel
G. Vial washing machine

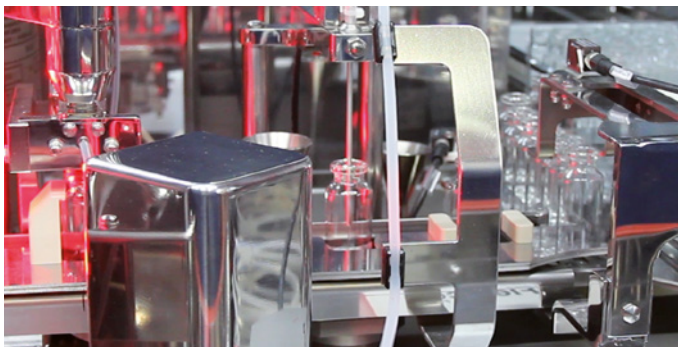
How it works

Refers to Baby Phill configured inside a Class A Isolator with ready-to-use vials loading chamber.

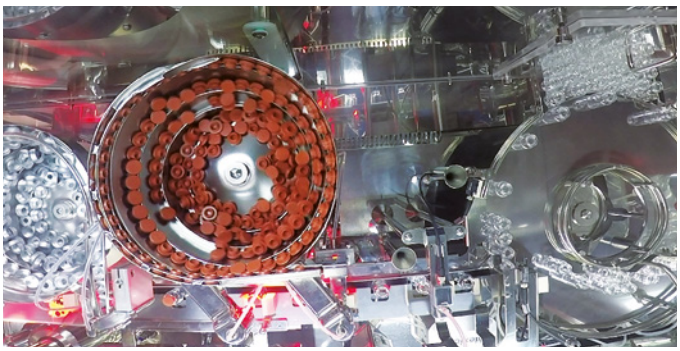
Empty vials are introduced manually into filling station through a loading chamber.



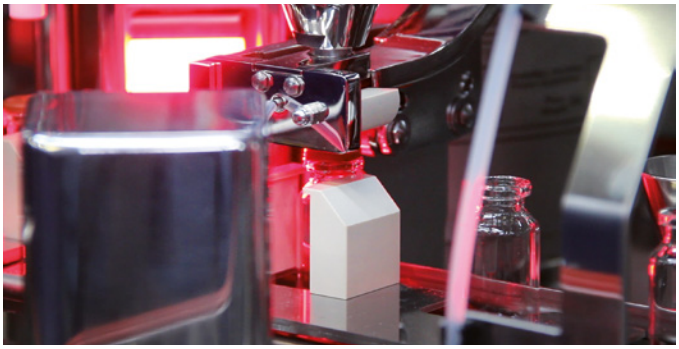
The vials are automatically positioned on the rotating table through an accumulator system: there is a sensor to detect missing or fallen incoming vials.



The empty vials are positioned under the filling station using a mechanical walking beam; the liquid is then transferred by a peristaltic pump. A scale checks each vial's weight.



View from above: rotating table, stoppering vibratory bowl and capping vibratory bowl.



After stoppering, a visual check station verifies the correct placement of the stopper. In case of failure an alarm is generated and a second manually activated stoppering is enabled.

Crimping tool has been designed specifically to reduce the particle generation given the proximity with the stoppering.

Vials rejected for any reason are automatically stoppered, capped and positioned in a dedicated zone.

The filled/stoppered/crimped vials are automatically loaded on a specific tray.

What makes Baby Phill special?

- Extremely reduced footprint, so you can easily find a place in it your existing lab
- Plug-and-play design, so you can install quickly and start your production right away
- All-in-one system, so all key features you need are included as standard, with optional equipment available on request
- Best integration within isolation technology, as Comecer has designed it as a whole single system
- Fast change over between batches, to make the most of your investment and time
- Top quality in small scale, the same level of features of a normal production filling line are implemented in the smallest footprint

Optional equipment

- Class A Isolator or RABS
- Automatic onboard Glove Leak Test (AGT)
- VPHP concentration sensors low/high level
- Loading chamber
- Unloading chamber lyophilizer charging/ discharging
- Integrated lyophilizer
- Sterilization and depyrogenation tunnel
- Vial washing machine

Vial Loading Chamber

Isolator (contains Baby Phill system)

Vials Outlet

Technical data

Material	
Shell structure	AISI 316 L
Stainless steel finish	external: Scotch-Brite internal: Mirror-Brite
Air classification	
Main chamber	grade A (after decontamination)
Pre-chamber	grade A (after decontamination)
Working internal pressure	
Main chamber	50-100 Pa
Pre-chamber	25-50 Pa
Filters	
Main chamber	H14 inlet and outlet
Pre-chamber	H14 inlet and outlet
Make up air flow rate	945 m^3/h
Overall dimensions *(w x d x h)*	2630 x 2370 x 2500 mm
Internal dimensions *(w x d x h)*	
Main chamber	1790 x 706 x 1020 mm
Pre-chamber	940 x 705 x 955 mm
Weight	2000 kg
HMI Software	GAMP5 Compliant CFR 21 part11 Compliant
Utilities requirements	
Compressed air	6 bar, 25 nL/min
Power supply	
Isolator	380V (3Ph+N+PE) 50/60Hz 25A 480V (3Ph+N+PE) 50/60Hz 20A
VPHP generator	230V (1Ph+N+PE) 50/60Hz 16A 208V (2Ph+N+PE) 50/60Hz 20A
Installed power	8900 W

All data refer to the configuration "Baby Phill in isolator with Vial Loading Chamber"

Get in touch to discuss your needs, it has never been easier!

COMECER
an ATS company

COMECER S.p.A. - Via Maestri del Lavoro, 90
48014 - Castel Bolognese (RA) - Italy
t: +39 0546 656375 - f: +39 0546 656353
comecer@comecer.com - www.comecer.com

www.comecer.com/baby-phill

Vertriebspartner Deutschland

WINKGEN medical systems

email@winkgen.de
www.winkgen.de

D-35584 Wetzlar
Eichendorffstraße 3
Fon +49 6441 381437
Fax +49 6441 381442

D-89077 Ulm
Kleiststraße 45/1
Fon +49 731 140666-0