

# TALIA SERIES

## SHIELDED ISOLATORS FOR DISPENSING



- ✓ Ideal for medium or large productions
- ✓ Spacious work chamber for the maximum ergonomics
- ✓ Available with up-to-100-mm lead shielding
- ✓ Up to two shielded compartments for dose calibrator
- ✓ Product extraction system in shielded container by means of specific drawer

The series of TALIA shielded cells is a family of Class A isolators equipped with laminar flow on the entire main chamber. They can house automatic modules or fractioning systems in sterile conditions and in observance of cGMP standards.

The TALIA series is specifically designed for filling, calibrating and fractioning operations on vials or syringes. The machine is ideal for medium/large vial (batches of 30 vials per batch) or syringe (batches of 10 5 ml syringes per batch) productions.

The cell guarantees maximum protection for the operator against ionising radiation through complete shielding, the air seal between the chambers and the use of tele-pliers. These characteristics, along with the integrated tools such as the COMECER automatic dispensers, make it particularly suitable for radiopharmaceutical dose preparation, in accordance with cGMP regulations.

The machine has unique setups such as up-to-100-mm lead shielding, double dose calibrator, pass through calibrator integrated in the extraction system, in-line bubble point test and control with 17" touch screen.

### Features and Benefits

- Material introduction chamber (airlock) with air quality complying with Class B "At rest" (EEC-cGMP) and equipped with handling gloves
- Possibility of installing a second chamber for introducing materials (airlock) with air quality complying with Class A "At rest" (EEC-cGMP), provided with laminar flow over the entire area and manipulation gloves
- Possibility of installing a waste compartment with air quality complying with Class B "At rest" (EEC-cGMP)
- Possibility of installing a product extraction system equipped with "Pass-through dose calibrator"
- Shielded dispensing chamber under constant negative or positive pressure
- Filtration system to generate laminar flow in the Class A chamber, made with ULPA U15 absolute filtering cartridge
- Air inlet filtration system made with HEPA absolute filtering cartridge with 99.995% efficiency
- Air outlet filtration system made with active carbon filtering cartridge
- Isolator management, automation and workflow control by means of an operator interface developed in accordance with GAMP regulation and compliant with CFR21 Part 11 requirements
- Semi-automatic Bubble Point Test integrated with COMECER dispensers
- Possibility of installing a Geiger-Muller probe to detect radioactivity inside the cell and door interlock management
- Ventilation isolation valves and connection to hydrogen peroxide solution generators (AVC LIGHT) for the dispensing chamber and the material introduction chamber
- Automatic leak tests on the dispensing chamber and material introduction chamber
- Temperature and humidity sensor
- Set-up for particle counter sensor in the main chamber and in the preparation chamber in "class A" or generic particle counter probe connection
- Connection for DOP test (filter sealing test) for absolute filters
- Connection for sanitation system with VPHP (vapor-phase hydrogen peroxide) through manual valves or possibility of installing automatic valves

### Equipment lines

The machine is available in different equipment lines to fulfil the requirements of any production centre.

Main equipment	Models				TALIA-PC1-75	TALIA-PC2-75	TALIA-PC1-100	TALIA-PC2-100	TALIA-PC1-75 WITH PASS THROUGH DOSE CALIBRATOR	TALIA-PC2-75 WITH PASS THROUGH DOSE CALIBRATOR
	TALIA-PC1-75	TALIA-PC2-75	TALIA-PC1-100	TALIA-PC2-100	TALIA-PC1-75	TALIA-PC2-75	TALIA-PC1-100	TALIA-PC2-100	TALIA-PC1-75 WITH PASS THROUGH DOSE CALIBRATOR	TALIA-PC2-75 WITH PASS THROUGH DOSE CALIBRATOR
Shielding (mm Pb)	75	75	100	100					75	75
Side pre-chamber for materials introduction "Class B"	S	S	S	S					S	S
Side pre-chamber for materials preparation "Class A"	-	S	-	S					-	S
Solid and liquid waste compartment	S	S	S	S					S	S
Dose calibrator - Bulk	S	S	S	S					S	S
Dose calibrator - Vial/Syringe	S	S	S	S					-	-
Pass through dose calibrator - Vial/Syringe	-	-	-	-					S	S
Smart Geiger (internal environmental monitoring system)	0	0	0	0					0	0
Automatic Bubble Point Test	S	S	S	S					S	S
CFR21 licence PART 11	S	S	S	S					S	S
AVC Light (including set-up for VPHP with manual valve on the VPHP line and leak test functionality)										
Main chamber	S	S	S	S					S	S
Pre-chamber "Class B"	S	S	S	S					S	S
Pre-chamber "Class A"	-	S	-	S					-	S
Drawing System										
Drawing System for vials and syringes	S	S	S	S					-	-
Drawing System for vials and syringes with integrated pass through calibrator	-	-	-	-					S	S
Final product extraction position										
Front Drawing System drawer opening	S	S	S	S					S	S
Rear Drawing System drawer opening	0	0	0	0					0	0
Side Drawing System drawer opening	-	-	-	-					0	0
Dispenser set-up										
CLIO dispensing system set-up	0	0	0	0					0	0
ARGO dispensing system set-up	0	0	0	0					0	0
ARGO+FORMULATION dispensing system set-up	0	0	0	0					0	0
Shielded container										
Vial shielded container mod. CF18	S	S	S	S					S	S
Vial shielded container mod. CF18-T	0	0	0	0					0	0
Syringe shielded container mod. CTS	0	0	0	0					0	0

S= Standard; 0= Option; R= Configurable when placing order

### Technical data

Support frame material		Carbon steel treated with epoxy paints	
External casing material		AISI 304 - Scotch-Brite™	
Working chamber material		AISI 316L - Mirror-Bright	
Lead purity	Title	Pb 98% + Sb 2%	
Electrical panel protection rating	IP	54	
Shielding (Pb)	mm	75/100	
Shielded glass window dimensions	mm	300 x 200 (w x h)	
Weight	kg	11500 ÷ 14400	
Working chamber internal dimensions	mm	969 x 690 x 830 (w x d x h)	
External dimensions	mm	TALIA-PC1	1961 x 1414 x 2600 (w x d x h)
		TALIA-PC2	2550 x 1414 x 2600 (w x d x h)

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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

Part of COMECERGROUP



<http://www.comecer.com/talia>