



## Biometric Filter

HIGH SECURITY PORTAL  
WITH EMERGENCY SYSTEM



**TONALI**

## Biometric Filter Self-managed, armored structure

# ANTI-BURGLARY ARMORED PORTAL WITH EMERGENCY EXIT SYSTEM

“Biometric Filter” anti-burglar resistance series has been **designed to grant an high level of security and an high level of safety**. Its special structure has been conceived to resist against burglar attacks and, at the same time, thanks to the anti-panic push bar installed on the external door, to grant an escape route in case of emergency.

### SELF-MANAGED CABIN

Designed to offer top security grade and a professional emergency system.



MONOBLOCK  
STRUCTURE



SINGLE PASSAGE  
CHECKING SYSTEM



SELF-MANAGED  
PASSAGE SYSTEM



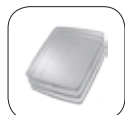
ACCESS CONTROL  
(integration)



FINGERPRINT  
ACQUISITION SYSTEM



EMERGENCY MANAGEMENT,  
ESCAPE-ROUTE SYSTEM



BULLETPROOF  
ANTI-BURGLARY

**Glass:** 26/27 mm laminated thick glass, bulletproof BR3/S according to EN1063 and anti-burglary P6B according to EN356 (on request: higher grade glass).



Biometric Filter available versions:

	Structure	Dimensions W x D x H (mm)	Passage L x H (mm)	Glass	Internal Lighting	Safety, accident prevention	Weight
Biometric Filter	Steel monoblock 3mm + 5mm	1250x1000x2400	800x2000	26/27mm, bulletproof BR3/S EN1063, anti-burglary P6B EN356	Led spots	Self-adjusted braking, speed control and accident prevention devices	800-850Kg according to model and acces- series
Biometric Filter Light	Steel monoblock 3mm + 5mm	1250x1000x2400	800x2000				

Custom models available: on request, according to customer needs

“ A portal designed for sensitive environments, where high security grade is required: burglar-proof and safety (in case of emergency).



## HIGH SECURITY

Armored cabin with bulletproof glass. Two versions *Biometric Filter* and *Light Biometric Filter*, suitable to protect sites where **values protection** or **restricted access** are requested, like: vault rooms in banks and post offices, surveillance institutes, supermarkets and high security areas (airport control towers, datacentres, etc.). **Single passage checking system**, on *Biometric Filter* through weighing cells, transit with customized weight, range of acceptance of, to be set by the client. On *Light Biometric Filter*: through volumetric sensors system.



## ESCAPE-ROUTE SYSTEM (EMERGENCY MANAGEMENT)

Designed as **double-aim solution**: a high grade anti-burglary portal and a professional emergency exit with anti-panic push bar (this avoids the use of an additional emergency exit door). Portal's doors are automatically unlocked when the push bar is activated and, after a pre-set time, the portal automatically resets itself, re-hooking the two doors (ideal for Bank Safe Areas). In addition, there is an emergency button for door unlocking, escape-route system (located on the cabin, protected area side). The button remains active even in case of power loss.



## ACCESS CONTROL

Portals are designed for the modern access control systems integration. **In entrance**: access is provided with the sequence of PIN code or badge, single presence control (with weighing cells or volumetric sensors according to the model) and biometric data verification. **In exit**: it is possible to control single presence and biometric data.



## FEATURES AND OPTIONALS

- Monoblock structure: 3mm + 5mm thick steel
- Control Console with LCD display, menu-guided command and setting
- Single passage checking system (anti-hostage system)
- Emergency Push Button
- One Push button located on the protected side to alarm and unlock both doors to allow exit. In case of black-out the internal push button unlocks the low door allowing exit unlock
- Armored door with peephole (bulletproof glass), anti-panic push bar, electromagnet
- Armored door (protected side), motorized, interlocked, curved shape, with peephole (bulletproof glass)
- Multilanguage Synth voice messages
- Traffic light devices / intercom
- Hidden microcameras inside the portal
- ElectricLock with 3 locking points for the external door (with security roller with 3 un-duplicable keys)
- Control and presence detection systems interfaces (RS232 - RS485 - IBIS)
- Application of magnetic or proximity badge readers, biometric acquisition systems



## TECHNICAL SPECIFICATIONS



**WEIGHT:** da 800 a 850 Kg according to model and accessories.



**POWER SUPPLY:** 230V (110V on request), 50/60 Hz.



**VOLTAGE:** 12-24 V.c.c. with back-up batteries for uninterrupted operations in case of power loss (from 100 up to 1000 cycles).



**FRAME:** monoblock painted steel frame 3mm+5mm

- Low side door frame: 3+5mm
- High side sliding door frame: 3+3mm
- Armored laminated steel ceiling: 3mm with anti-tamper top cover
- Cabin floor: 37mm thick



**PAINTING/FINISHING:** RAL standard colors range with bossed finishing (flat finishing, stainless steel execution or special colors, on request).



**MOVEMENT:** 24 V.c.c. electric-motors assisted sliding-doors movement with reversible option for manual opening in case of total power loss.



**GLASS:** sides and dorrs equipped with 26/27 mm laminated thick glass rated bulletproof BR3/S EN1063 and anti-burglary P6B EN356 (higher thickness on request)



**LIGHTING:** internal LED spots (12V - 50/60Hz).



**ELECTRONICS:** microprocessor based electronics.



**ACCIDENT PREVENTION MEASURES:** self-adjusted braking, speed control and accident prevention devices.



**PROGRAMMABLE OPTIONS:** emergency escape/door locks; automatic/manual transit; passage: one/both directions.



**CONSUMPTION:** 85 W.



# BIOMETRIC FILTER VERSION IMAGES

Biometric Filter Series has two main versions: *Biometric Filter* and *Light Biometric Filter*, custom versions are available according to customer needs.

BIOMETRIC FILTER

LIGHT BIOMETRIC FILTER



## DETAILS

EMERGENCY  
PUSH BUTTON

BIOMETRIC READER  
(3D two fingers geometry based)

INTERCOM



EMERGENCY  
PUSH BUTTON TO  
UNLOCK BOTH DOORS

MAGNETIC STRIPE BADGE  
READER AND PIN BOARD

ANTI-PANIC PUSH BAR

## “BIOMETRIC FILTER” SERIES ANTI-BURGLARY HIGH GRADE

Entrambe le versioni della Serie Filtro Biometrico hanno una particolare struttura blindata in acciaio (3mm + 5mm, soffitto antieffrazione, base pavimento blindata 37mm), sono state disegnate appositamente per resistere ai tentativi di effrazione e, grazie al maniglione antipánico, per garantire la via di fuga in caso di emergenza.

BIOMETRIC FILTER



The *Biometric Filter* structure has an almost totally armored surface, there is the presence of two small rectangular windows (bulletproof glass peepholes) to have visibility on the cabin interior (in case of emergency).

- 1 peephole on the door with emergency push bar (external side)
- 1 peephole on the protected side door (curved shape sliding door)

LIGHT BIOMETRIC FILTER



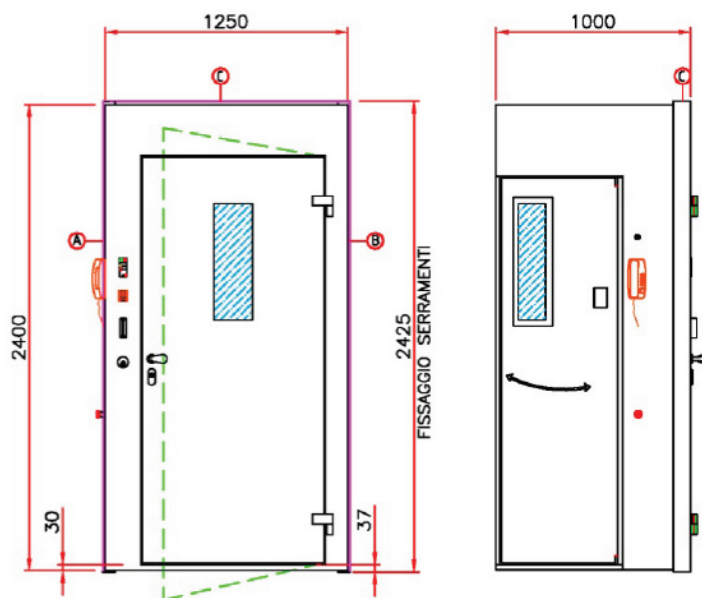
The **Light Biometric Filter** the armored surface is lower, because of the presence of:

- 1 big bulletproof glass on the door with emergency push bar (external side)
- 1 big bulletproof glass on the protected side door (curved shape sliding door).

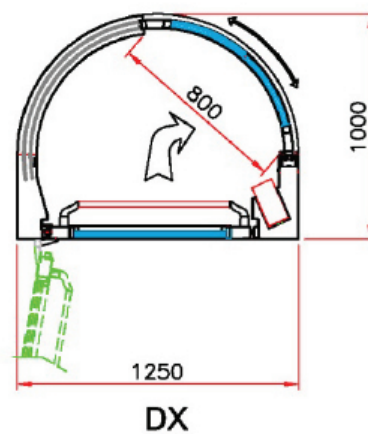
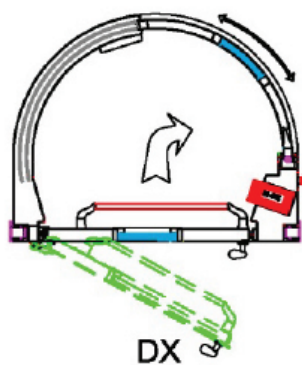
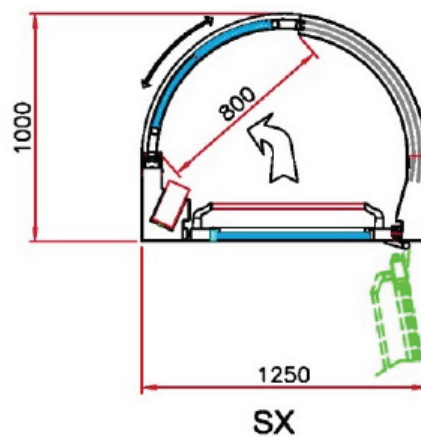
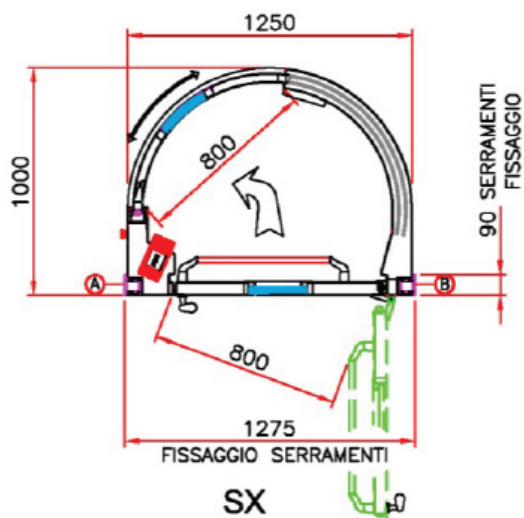
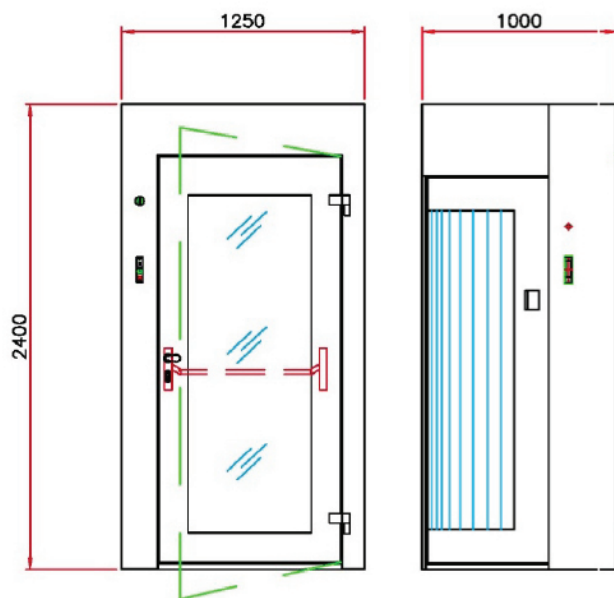
# DRAWINGS AND PERSPECTIVES

## DIMENSIONS

BIOMETRIC FILTER



LIGHT LIGHT BIOMETRIC



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