

Your First Class partner for audiometric booths

Box for testing

Screening Line

Acoustic Panels

Diagnostic Line

Audiology Rooms





Your First Class partner for audiometric booths

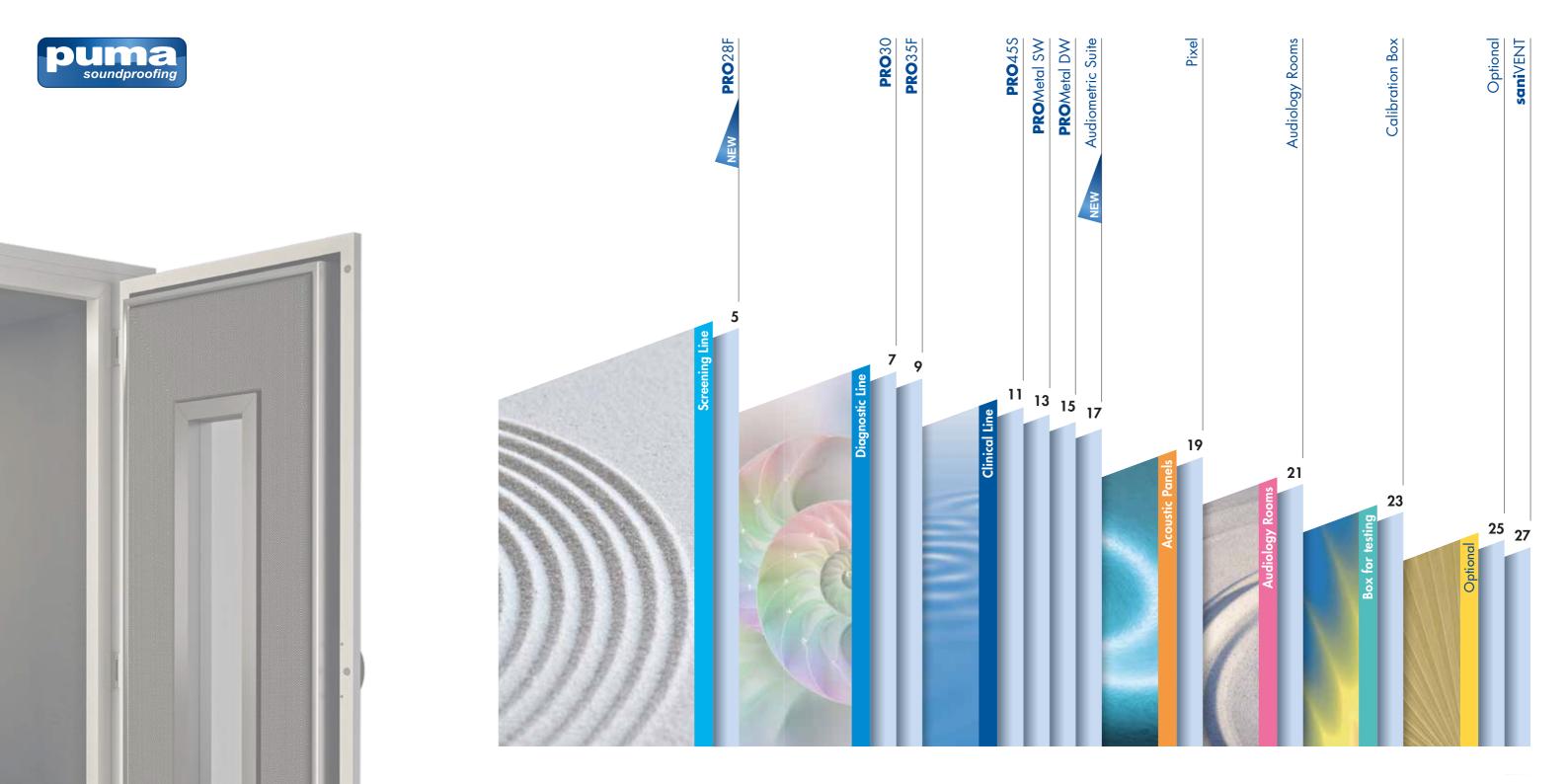
Puma Soundproofing was founded in Milan-Italy in 1970, it is specialized in design and manufacturing of soundproofing and acoustic solutions for professionals in the medical field.

Puma offers a wide range of modular audiology booths, audiology rooms and audiometric suites available in standard or customized sizes and configurations, conform with International standard UNI EN ISO 8253-1:2010 and ISO 8253-2:2010 and regulation EU 2017/745 regarding class I medical devices and registered at the Italian Ministry of Health. Puma offers 3 lines of acoustic booths manufactured with innovative and eco-sustainable materials, several different noise reduction levels, internal and external finishes and a large number of accessories. All of our products can be sanitized according to directives of the Italian Ministry of Health. Puma is actively selling in more than 60 countries and has over 6000 successfully installed booths in hospitals, clinics, universities and medical practices. With over 50 years of experience in the soundproofing industry, offering high quality products and the best of Italian design, Puma stands among the leading manufacturers of soundproof booths in the global ENT market.





www.pumasrl.it



PRO28F Premium compact and portable solution





Kit 4 castors external table (optional)



PRO28F is an audiometric booth with an excellent noise reduction. recommended for hearing screening and diagnostic tests in audiology centers and shops for those who have limited space available and need a very small soundproof booth.

Thanks to the innovative internal isolating material, it provides outstanding sound attenuation. The internal finishing is composed by a special soundproofing fiber covered with a sanitizable, fireproof, highly resistant acoustic material which provides the booth with a perfect acoustics. As an optional, the air ventilation can be guaranteed by an integrated silent forced ventilation

system. As an optional, the vertical window on the door helps to eliminate that closed-in feeling for the patient. External dimensions (on adjustable feet) 96 x 96 x 197h cm, can be equipped with 4 wheels and converted in portable booth. These booths can be also used in temporary situations for occupational medicine, in companies and schools. Ideal solution for mobile audiology units.

- Mini soundproof booth with high performance up to 43 dB
- Designed for hearing screening in audiology centres
- Compliant with ISO 8253-1:2010 and ISO 8253-2:2010
- Innovative materials for a perfect internal acoustics
- Quick and easy installation
- Reversible door with magnetic closing
- Available with DIY kit
- Integrated silenced ventilation system (optional)
- Vertical window on door (optional)

/ertical window on door (optional)

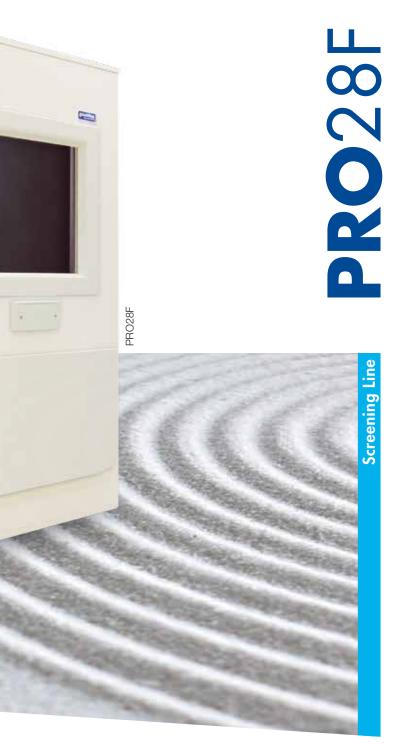
New sanitizable internal lining











PRO30 Basic modular soundproof booth



PRO30 is a modular booth available in a wide range of standard and bespoke sizes starting from 1 x 1 m size for mobile units, up to 3 x 3 m with door opening 75 cm or 90 cm and ramps (on request) for wheelchair access. It is recommended for hearing screening and diagnostic tests

in audiology centers. The modular, light solutions are suitable for different applications and exams such as free field and pediatric tests.

The structure of the booth is made of a supporting aluminum frame insulated by acoustic materials.

The interior finishing is made of anthracite grey acoustic pyramid foam, designed to reduce sound waves for optimal acoustics. Available with **sani**VENT (as optional) a new soundproofing and sanitizing air-exchanging system to sanitizes actively both the air and the internal surfaces.

PRO30 2x1

- Light and quick to install, no need of any structural intervention on floor
- Wide range of standard and bespoke sizes up to 3 x 3 m.
- Noise attenuation up to 40 dB
- Compliant with ISO 8253-1:2010 and ISO 8253-2:2010
- Easy access to wheelchairs
- Silent ventilation system
- Available with **sani**VENT

Internal in grey acoustic foam









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**PRO**35F Premium modular soundproof booth

PRO35F is a diagnostic modular soundproof booth manufactured with high density isolating fiber. It provides an excellent noise reduction level and outstanding internal acoustics, and at the same time an easy to assemble, lightweight solution.

The structure of the booth is made of a supporting aluminum frame and panels are supplied with Cam-Lock system which significantly reduces the installation time.

The internal finishing is composed by a special soundproofing fiber covered with a sanitizable. fireproof, highly resistant acoustic • Available with saniVENT material which provides the cabin with a perfect acoustics. Available in standard and bespoke sizes up to 3 x 3 m with door opening 75 cm or 90 cm and ramps (on request) for wheelchair

#### access. Available with saniVENT

PRO35F 2X

(as optional) a new soundproofing and sanitizing air-exchanging system to sanitizes actively both the air and the internal surfaces.

• Extremely quick and easy assembly with Cam-Lock system

- Innovative sanitizable internal acoustic lining
- Excellent noise attenuation up to 44 dB
- Compliant with ISO 8253-1:2010 and ISO 8253-2:2010
- Wide range of standard and bespoke sizes up to 3 x 3 m.
- Free field and audiology equipment configuration
- Easy access to wheelchairs
- No need of any structural intervention on floor
- Silent ventilation system
- Internal finishing available in grey or white

New sanitizable internal lining in grey or white

















**PRO**45S Deluxe modular soundproof booth





PRO45S is the finest Puma soundproof booth, it encloses the best design and performance in a versatile product, ideal for for clinical analyses and diagnostic tests in hospitals and specialized audiology centers.

This is a modular booth available in standard and bespoke sizes up to 6 x 6 m. The structure is made of a supporting aluminum frame insulated by acoustic materials, while the interior finishing is covered with a sanitizable. material that creates a very pleasant and comfortable floor to reduce vibrations and a total glass door. On request, acoustic panels can be provided to enhance the internal acoustics. The door has a 75 cm (or 85 cm on request) opening and can be equipped with ramps (on request) for wheelchair access Also available with Faraday shielding to perform ABR/BERA tests. Available with **saniVENT** (as optional) a new soundproofing and sanitizing air-exchanging system to sanitizes actively both the air and the internal surfaces.

- Designed for prestigious environments
- Excellent noise reduction up to 50 dB
- Compliant with ISO 8253-1:2010 and ISO 8253-2:2010
- Bright and comfortable interior
- Sanitizable internal lining
- Wide range of standard and bespoke sizes up to 6 x 6 m.
- Available with Faraday Shielding to perform ABR/BERA test
- fireproof, highly resistant acoustic Free field and audiology equipment configuration
  - Easy access to wheelchairs
- environment. It features a floating No need of any structural intervention on floor
  - Silent ventilation system
  - Available with saniVENT

Sanitizable internal lining



Internal with acoustic panels

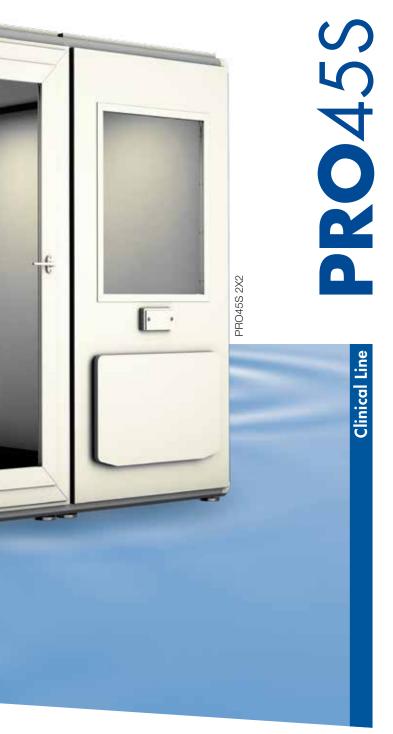












**PRO**Metal SW Superior Single wall steel soundproof booth



PROMetal SW is recommended for clinical analyses and diagnostic tests in hospitals and specialized audiology centers. The steel single wall structure with 15 cm of thickness, electrostatically painted, provides high noise attenuation up to 55 dB. The booth is installed on a 10 cm thickness base and stands on special anti-vibration adjustable feet. Manufactured in standard and bespoke sizes with a 80 cm or 90 cm opening door, can be equipped with ramps (on request)

for wheelchair access and other

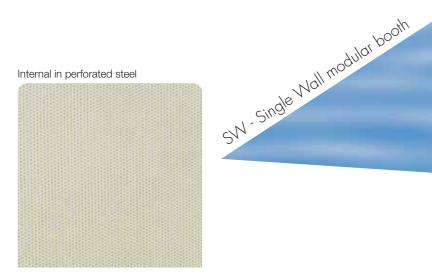
- Single wall steel structure
- High noise reduction up to 55 dB
- Compliant with ISO 8253-1:2010 and ISO 8253-2:2010
- Available in a wide range of standard and bespoke sizes
- Silent ventilation system
- Free field configuration
- Jack connection panel
- Easy access to wheelchairs
- Sanitizable internal finishing

0----SW-1300

optionals.



Internal in perforated steel

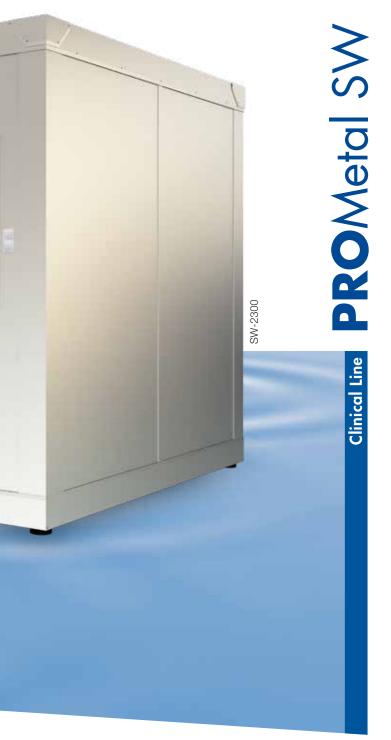








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**PRO**Metal DW Top-grade Double wall soundproof booth



PROMetal DW is recommended for clinical analyses and diagnostic tests in hospitals and specialized audiology centers to perform in-depth examinations where the background noise level is high and could affect the test results. Panels are completely made of scoured steel plate, electrostatically painted. Manufactured in standard and bespoke sizes, the double wall booth consists of a structurally isolated inner room and outer room not mounted on the same base of a 10 cm thickness, standing on anti-vibration adjustable feet. It is supplied with double 80 cm

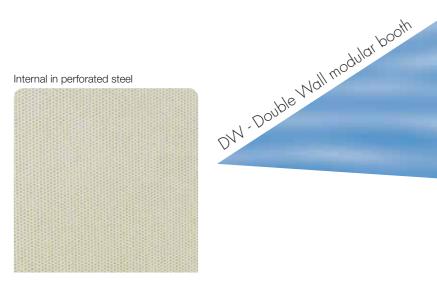
or 90 cm opening door, for an optimal noise reduction up to 94 dB and can be equipped with ramps for wheelchair access and other optionals.

- Double wall steel structure
- Very high noise reduction up to 94 dB
- Compliant with ISO 8253-1:2010 and ISO 8253-2:2010
- Available in a wide range of standard and bespoke sizes
- Silent ventilation system
- Free field configuration
- Jack connection panel

DW internal with double door

- Easy access to wheelchairs
- Sanitizable internal finishing

Internal in perforated steel

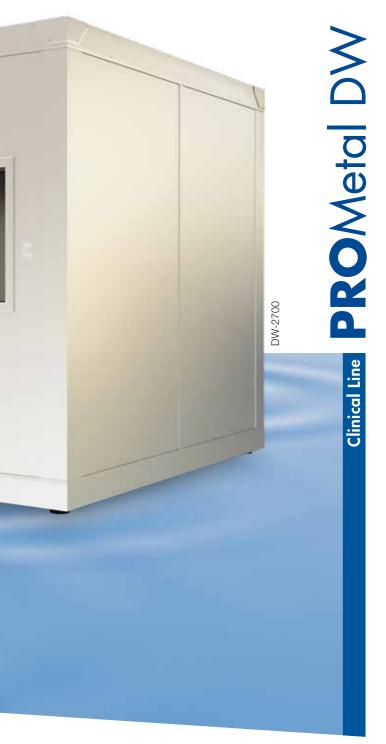








5.4.A.



Audiometric Suite Modular soundproof suites with SW/DW steel structure





DW internal with double door



Internal in perforated steel

Special version of PRO Metal series, audiometric suites are recommended for clinical analyses and diagnostic tests in hospitals and specialized audiology centers to perform in-depth examinations where the noise environment is high and could affect the ENT tests results. Walls are specially designed to be assembled and removed and are completely made of scoured steel plate. The suite is electrostatically painted. Exam room with double wall construction mounted separated from the control room, with 10 cm external panel + 10 cm air between panels and 10 cm internal panel thickness. Standard C . The suite is installed on a 10 cm thickness base and stands on special anti-vibration adjustable feet. Control room with single wall construction mounted separated from the exam room, with 10 cm wall thickness. Double doors for exam room with inside/outside opening and single door for control room with outside opening, both with mechanical closing system. Clear opening 80 x 187 cm (w x h) for standard wheelchairs DW examicom + SW control room passage. As an optional, the

- Great noise reduction up to 94 dB for DW and 55 dB for SW
- Complies with UNI EN ISO 8253-1:2010 and ISO 8253-2:2010
- Available in a wide range of sizes
- Silent ventilation system
- Free field configuration
- Jack connection panel

SW control room

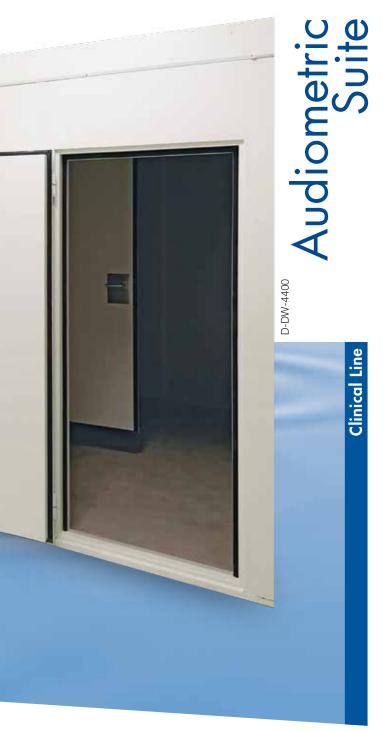
- Easy access to wheelchairs
- Sanitizable internal finishing

DW exam room





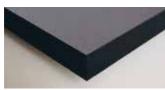




## Acoustic panel **Pixel**

Elegant modular solution for the acoustic treatment

Acoustic panels Pixel are recommended for the acoustic treatment in medical environments such as audiology centers and hearing aids shops. The panels, available in white or grey finishing with 5 cm thickness, are made of high density fiber covered with acoustic fabric, enhancing the acoustical performance of the environment providing an excellent sound absorption. The laying of panels is quick and simple thanks to the provided water based glue and the different sized kits prepared according to the dimensions of the room to treat. These panels can be laid on the internal walls of PRO45S booth by using Velcro system.





Panels 5 cm thickness in white or grey



- Elegant solution to improve the acoustics
- Easy and quick application
- Available in standard kits or bespoke project
- Recommended to perform free field test
- Available for PRO45S booth
- White or grey finishing
- Sanitizable product





B



### Audiology Rooms Customized turn-key soundproofing projects

Puma provides consultancy, design and building of bespoke soundproof rooms for audiology wards in hospitals and specialized clinics, private practices and hearing aids shops. • Recommended for the This solution is recommended when a booth cannot be installed and a fully customized solution is required by maintaining a very high noise attenuation. Our structures, as standard, grant an average 55 dB noise reduction level, reaching up to 75 dB (between 500 Hz and 1000 Hz). This type of treatment involves structures with remarkable thickness, made up with partitions, counter walls and ceilings, double rooms and floor

with inertial mass. The building includes also connection panels for medical instruments, set-up of the room for the installation of the existing systems (lighting, power, cooling and heating systems and air exchange), aphonic doors and windows.



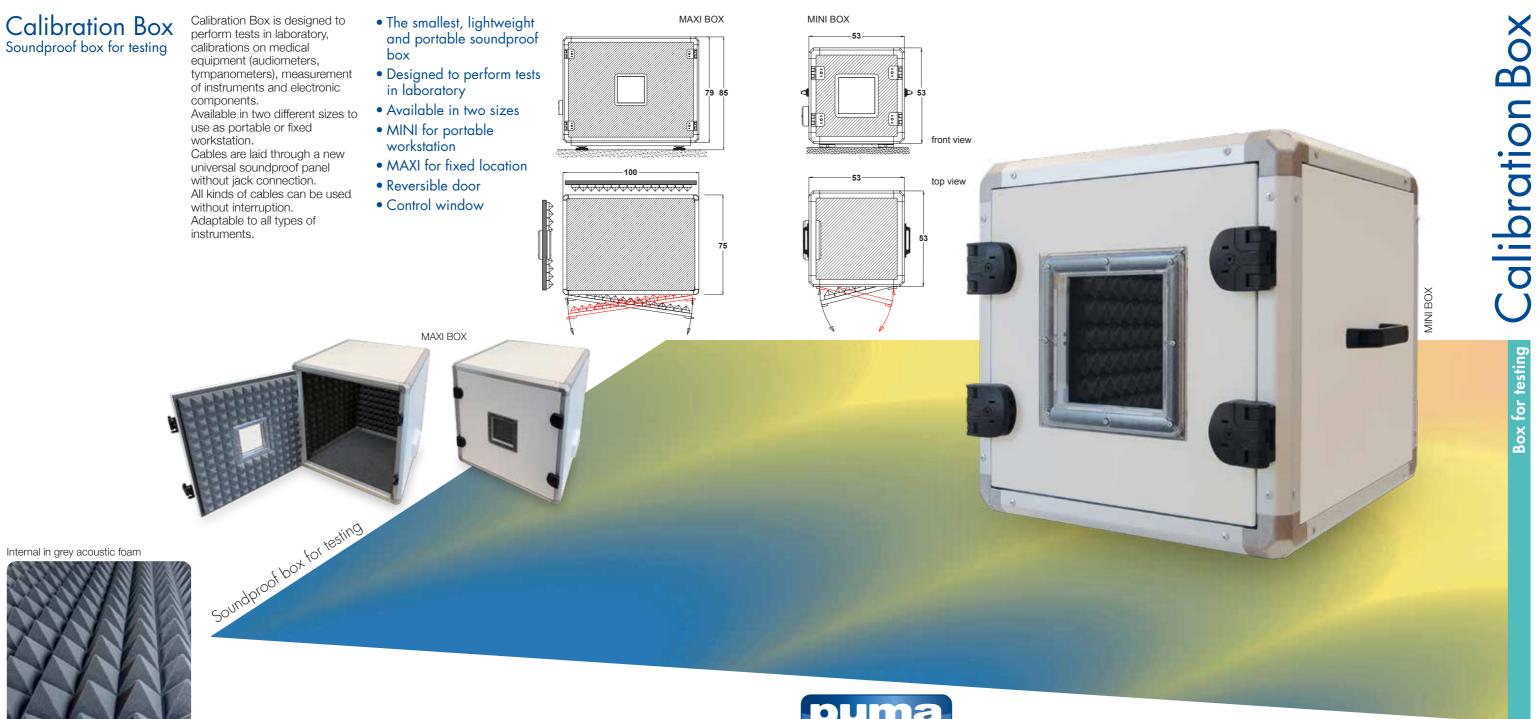
Audiology Room



- Bespoke soundproofed solutions
- High noise attenuation up to 75 dB
- best optimization and customization of space
- Sanitizable product











### Optional

- Connect your soundproof booth without limits to any instrument
- Customize your booth with a wide selection of optional
- The highest flexibility, comfort and safety with the best performance

| CODE         |                                                                                                                                                                                                                                                                           | P28F | P30  | P35F | P45S | SW   | DW   | AS   |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|------|------|------|------|------|
|              | INSTRUMENTS SUPPORT AND CONNECTIONS                                                                                                                                                                                                                                       |      |      |      |      |      |      |      |
| TAV.EG       | EXTERNAL FOLDING TABLE<br>(Foldable on PRO 28F - 30 - 35F - 45S booths)                                                                                                                                                                                                   | •    | •    | •    | •    |      |      |      |
| TAV.EP       | INTERNAL FOLDING TABLE<br>(Foldable on PRO 28F - 30 - 35F - 45S booths)                                                                                                                                                                                                   | •    | •    | •    | •    |      |      |      |
| SLPLACCASTND | ADDITIONAL UNIVERSAL CONNECTION PANEL<br>Universal connection soundproof panel without jack<br>connection where all cables can pass through without<br>interruption.<br>Adaptable to all types of instruments.<br>(1 already included in PRO 28F - 30 - 35F - 45S booths) | •    | •    | •    | •    | •    | •    | •    |
| 10JACK       | KIT 10 JACK CABLE EXTENSIONS<br>Kit 10 jack cable extensions to be used together with<br>universal connection panel                                                                                                                                                       | •    | •    | •    | •    |      |      |      |
| SLPLACCAJACK | JACK PANEL<br>Stereo jack connection panel                                                                                                                                                                                                                                | •    | •    | •    | •    | INCL | INCL | INCL |
| SLPRESA      | INTERNAL POWER SOCKET<br>Internal power socket (different International standards<br>available)                                                                                                                                                                           |      | •    | •    | •    | •    | •    | •    |
| SPEAK        | PLATES FOR SPEAKERS'S SUPPORTS<br>Speakers's supports only for booths where it is needed<br>(PRO30 - PRO35F)                                                                                                                                                              |      | •    | •    |      |      |      |      |
| 110VP25P28F  | MODIFICATION VOLTAGE 110V.<br>Modification voltage of electrical system from 220V to 110V                                                                                                                                                                                 | •    | INCL | INCL | INCL | •    | •    | •    |
| AEC          | AUDIOLOGY EQUIPMENT CONFIGURATION<br>Integrated configuration with hidden cables for<br>customized set up of audiology equipment                                                                                                                                          |      |      | •    | •    | •    | •    | •    |
|              | AIR EXCHANGE SYSTEMS                                                                                                                                                                                                                                                      |      |      |      |      |      |      |      |
|              | AIR VENTILATION SYSTEM<br>Silenced forced ventilation system                                                                                                                                                                                                              | •    | INCL | INCL | INCL | INCL | INCL | INCL |
| ARIA.V       | SUPPORT FOR WALL VENTILATION<br>Support for the installation of ventilation system on<br>the side wall                                                                                                                                                                    |      | •    | •    | •    | •    | •    | •    |
| SANIVENT     | SANIVENT<br>Soundproofing and sanitizing air-exchanging system                                                                                                                                                                                                            |      | •    | •    | •    |      |      |      |
|              |                                                                                                                                                                                                                                                                           |      |      |      |      |      |      |      |







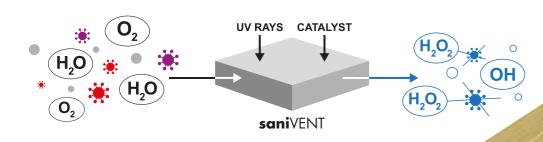
| CODE                  |                                                                                                                                                                         | P28F | P30 | P35F | P45S | SW   | DW   | AS   | 7 |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----|------|------|------|------|------|---|
|                       | SPECIAL FEATURES                                                                                                                                                        |      |     |      |      |      |      |      |   |
| IN.A                  | VERTICAL WINDOW STRIP<br>Vertical window in different dimensions according to the<br>booth line                                                                         |      | •   | •    | •    | •    | •    | •    | 2 |
| IN.B                  | ADDITIONAL STANDARD WINDOW<br>Additional window of the same dimensions of the standard<br>provided with the booth                                                       |      | •   | •    | •    | •    | •    | •    |   |
|                       | HORIZONTAL WINDOW<br>Horizontal window in different dimensions according to the<br>booth line                                                                           |      | •   | •    | •    |      |      |      | 5 |
| N.D                   | WINDOW ON DOOR<br>Window on door in different sizes according to the<br>booth line                                                                                      | •    | •   | •    | INCL | •    | •    | •    | C |
| ORT                   | ADDITIONAL DOOR<br>Additional standard door                                                                                                                             |      | •   | •    |      | •    | •    | •    |   |
| ORT90                 | DOOR OPENING 90 CM<br>Modification door opening 90 cm                                                                                                                   |      | •   | •    |      | •    | •    | •    |   |
| ORT75.P45             | ADDITIONAL GLASS DOOR<br>Additional total glass door 75 cm opening (from 2x1 size)                                                                                      |      |     |      | •    |      |      |      |   |
| ORT85.P45             | GLASS DOOR OPENING 85 CM<br>Modification total glass door opening 85 cm instead<br>of 75 cm                                                                             |      |     |      | •    |      |      |      |   |
| FLO                   | FLOATING FLOOR<br>Special floating system to reduce vibrations with technical<br>antistatic washable carpet                                                             |      | •   | •    | INCL |      |      |      |   |
| LAM                   | WASHABLE FLOOR<br>Washable floor                                                                                                                                        |      | •   | •    | •    | INCL | INCL | INCL |   |
|                       | SAFETY, COMFORT AND ACOUSTICS                                                                                                                                           |      |     |      |      |      |      |      |   |
| ASS                   | PACKAGING DIY KIT<br>Wooden case ISPM standard for booth shipment in DIY kit                                                                                            | •    | •   | •    | •    |      |      |      |   |
| LLUCEEMER             | EMERGENCY LIGHT<br>Emergency light to be installed inside the booth                                                                                                     |      | •   | •    | •    | •    | •    | •    |   |
| AMP                   | RAMPS<br>Ramps for wheelchairs and stretchers access                                                                                                                    |      | •   | •    | •    | •    | •    | •    |   |
| EAT                   | INTERNAL SEAT<br>Internal seat for patients                                                                                                                             | •    | •   | •    | •    |      |      |      |   |
| UOT                   | WHEELS<br>Kit 4 wheels                                                                                                                                                  | •    |     |      |      |      |      |      |   |
| X.4505FW<br>X.4505FGY | ACOUSTIC PANELS PIXEL<br>Set of removable acoustic panels designed to be attached<br>on PRO45S walls to improve the internal acoustics<br>(available in white and grey) | 1    |     |      | •    |      |      |      |   |
|                       | ELECTROMAGNETIC SHIELDING                                                                                                                                               |      |     |      |      |      |      |      |   |
| RDY                   | FARADAY SHIELDING<br>Faraday shielding providing exclusion of electromagnetic<br>waves (RF-Radio frequency) to perform ABR/BERA test                                    |      |     |      | •    |      |      |      |   |
| RAS                   | ISOLATION TRANSFORMER<br>Electrical power cleaning device connecting the booth at<br>the general wiring system of the building                                          |      |     |      | •    |      |      |      |   |



**sani**VENT Soundproofing and sanitizing air-exchanging system

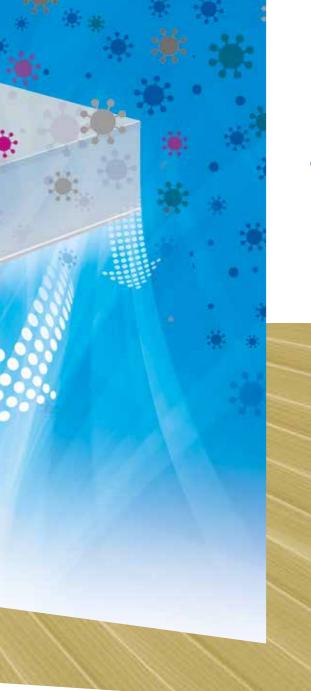
Active sanification. Unlike passive sanitization systems (traditional filters, germicidal lamps) which retain and destroy part of the harmful substances only in the spot where they come installed, saniVENT has a direct effect on harmful substances present in the complete air flow coming into the booth and on all the surfaces the flow comes in contact with. The sanitizing system is integrated in the ventilation box. It is not visible from outside and it works automatically when the fan is in function.

- Sars-CoV-2 decay with saniVENT 99.7% greater than in normal conditions
- Actively sanitizes both the air and the booths' internal surfaces
- Guaranteed efficacy thanks to the combined action of UV light and noble metals (photocatalysis)
- Suitable for PUMA's acoustic booths PRO30, PRO35F, PRO45S, easily replaceable to old ventilations
- Easy maintenance after 2 years









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# Optional

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**Audiology Rooms** 





**Diagnostic Line** 



**Screening Line**