

Air Pressure Stabiliser X-ray Protection Screen



Data Sheet



Air Pressure Stabiliser : X-ray Protection Screen

Healthcare and other Cleanroom facilities with air pressure and air flow control using Air Pressure Stabilisers will require a means of preventing escape of X-rays through the opening in the lead lining of the wall created by the presence of the Air Pressure Stabiliser. Apreco provide purpose designed lead lined screens mounted in front of the stabiliser to protect personnel from harmful X-rays.

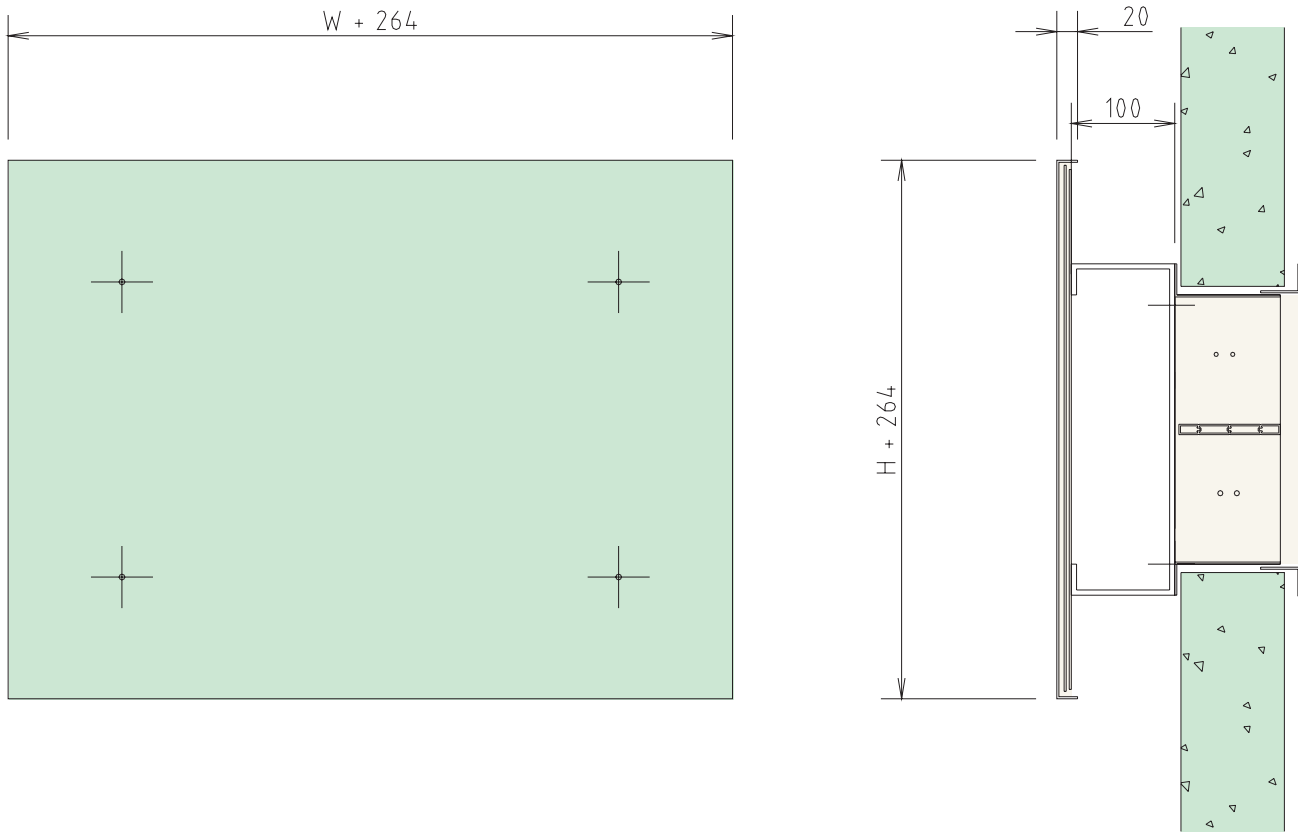
The standard design comprises a lead lined screen supported on two brackets. These are fixed onto the support framework provided for the air pressure stabiliser and mounted over the stabiliser. This arrangement offsets the screen from the surface of the wall which allows air to flow through the stabiliser with little or no restriction.

The width and height dimensions of the screens exceed those of Air Pressure Stabiliser nominal width and height dimensions by 264 mm. This generally provides a wide area in which the source of the X-rays can be safely located, however it is unlikely to screen all possible locations within the room. It is strongly advised therefore that designers check the geometry of the room to ensure that all potential

If you require any further details please do contact our office.

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X-ray Protection Screen



Construction:

Three layer bonded sandwich; outer layers galvanised steel (optional stainless steel) with a layer of 2.24 mm thick, code 5 lead sheet between. Wall offset brackets supplied to support the screen 100mm from the face of the Air Pressure Stabiliser.

Finish:

Outer layers white polyester powder coated RAL9010.
Satin finish Stainless Steel finish is available as an alternative option.

Note:

For X-ray screens to be fitted in the best possible position relative to Air Pressure Stabilisers, and to ensure full screening of the X-ray source, they are supplied without the mounting holes pre-drilled. It is intended that the choice of the optimum mounting position and drilling of the mounting holes should be part of the installation task and Contractors are advised to refer to the designer engineer responsible.

Note: Specifiers must satisfy themselves that the materials used in the construction of the equipment are compatible with the environment in which they will be placed and do not pose a hazard or risk of injury. Where there is any doubt please refer to our technical department. Apreco operates a policy of continual product development. The information contained within this data sheet may therefore be subject to change without notice