



!nviShower®

**INSTALLATION
MANUAL**



BEFORE YOU BEGIN

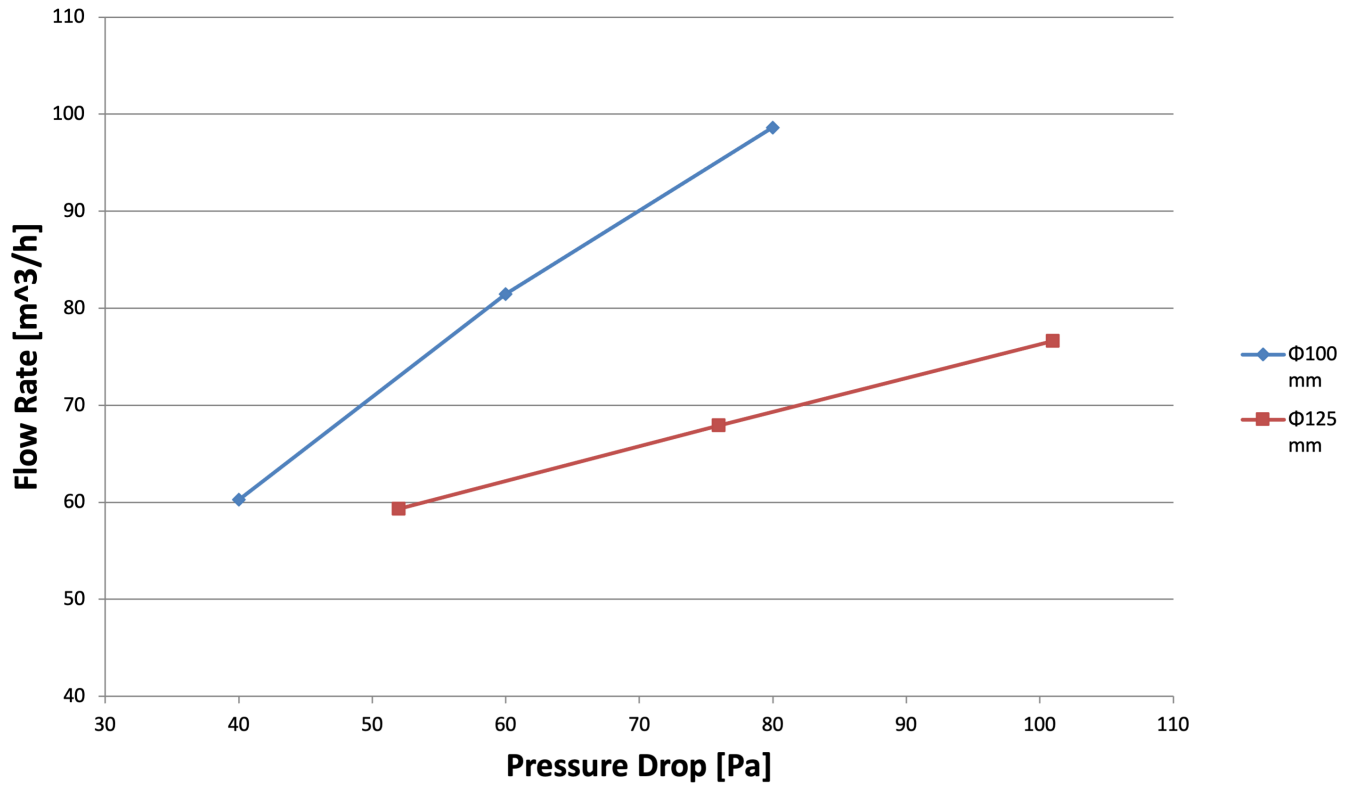
1. Installation of a shower head softener is mandatory for proper use.
2. The product must be installed and maintained by professional installers.
3. Before installing, turn the electricity off at the mains.
4. Flush the water supply pipes thoroughly to remove debris.
5. The feed pipes must be rinsed thoroughly before the installation of the device, ensuring that no shavings, welding spatter, hemp particles, or other residues remain inside.
All our products are made from high quality PVC Composite material.
6. Recommended working pressure: 0.2 to 0.5MPa(2 to 5 bar).
7. The highest working pressure for shower is 0.5MPa(5bar). If it exceeds 0.5MPa(5bar), a pressure reducer is needed. The highest water and environment temperature is 60°C.
8. If the power supply cable is damaged, it should be replaced by the maker or by qualified staff, to avoid any danger.
9. A disconnection should be incorporated in the supply network.

TECHNICAL INFORMATION

1. Its resistance and durability are closely linked to proper use, good maintenance, and the use of suitable cleaning products and materials that help preserve its original characteristics.
2. Cleaning products containing chlorine such as bleach or similar commercially available products must absolutely be avoided, as they can cause serious corrosion if not thoroughly, quickly, and properly rinsed. Contact with, or even exposure to vapors from, acidic products (such as muriatic/hydrochloric acid) or alkaline substances (such as sodium hypochlorite/bleach) or ammonia whether used directly or contained in common detergents for cleaning and sanitizing floors, tiles, and washable surfaces can have an oxidizing or corrosive effect on PVC composite materials.

AIR FLOW MEASUREMENTS

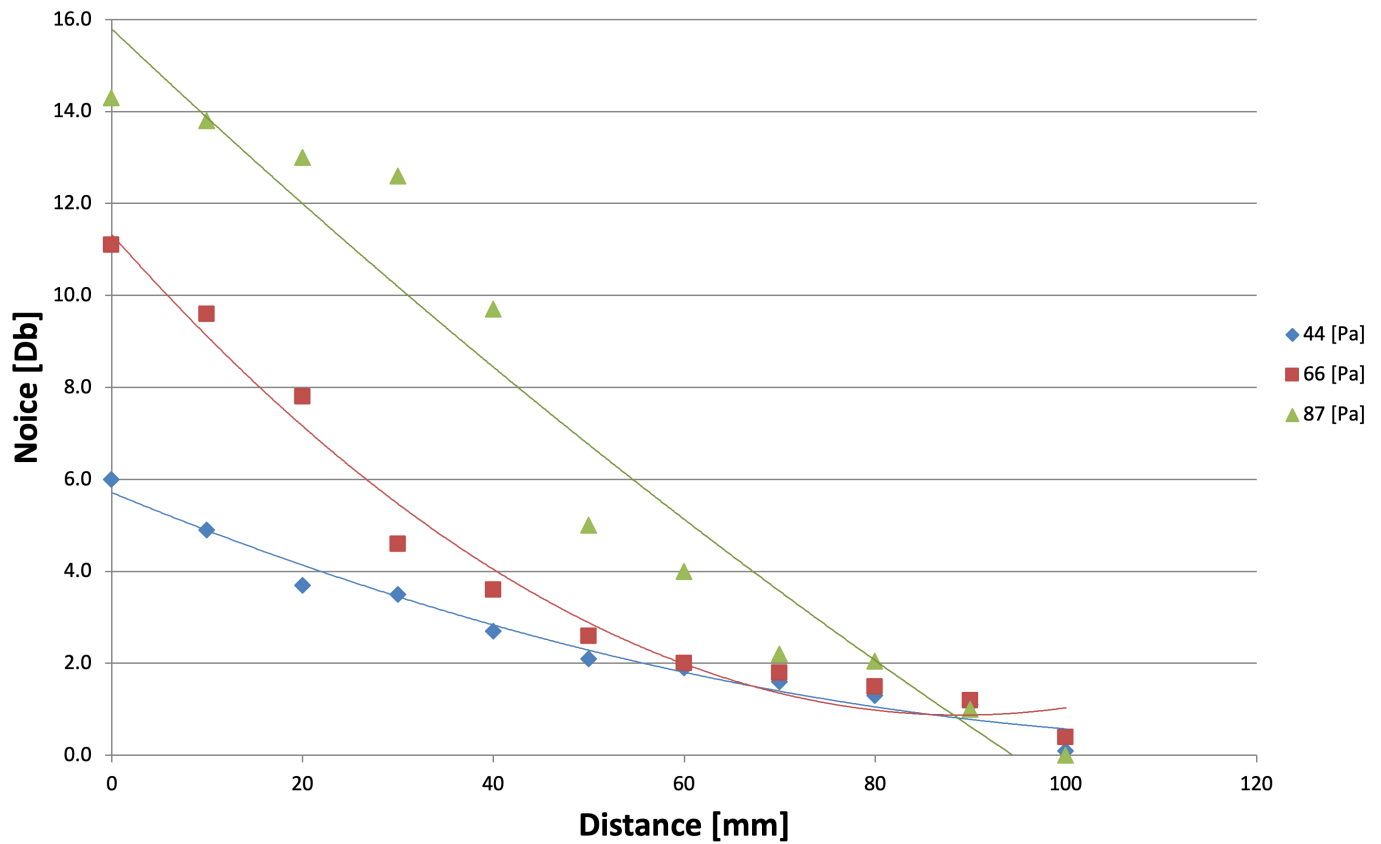
INVI Shower Air Flow Rate Vs Flexible Duct Φ Vs Pressure Drop



AREA [m ²]	Flex Duct Diameter	Pressure Drop [Pa]	Flow Rate [m ³ /h]
0.012266	Φ100 mm	40	60
		60	81
		80	99
0.008655	Φ125 mm	52	59
		76	68
		101	77

NOISE MEASUREMENTS VS PRESSURE DROP VS DISTANCE

**Noice Measurements
Vs Pressure Drop Vs Distance**

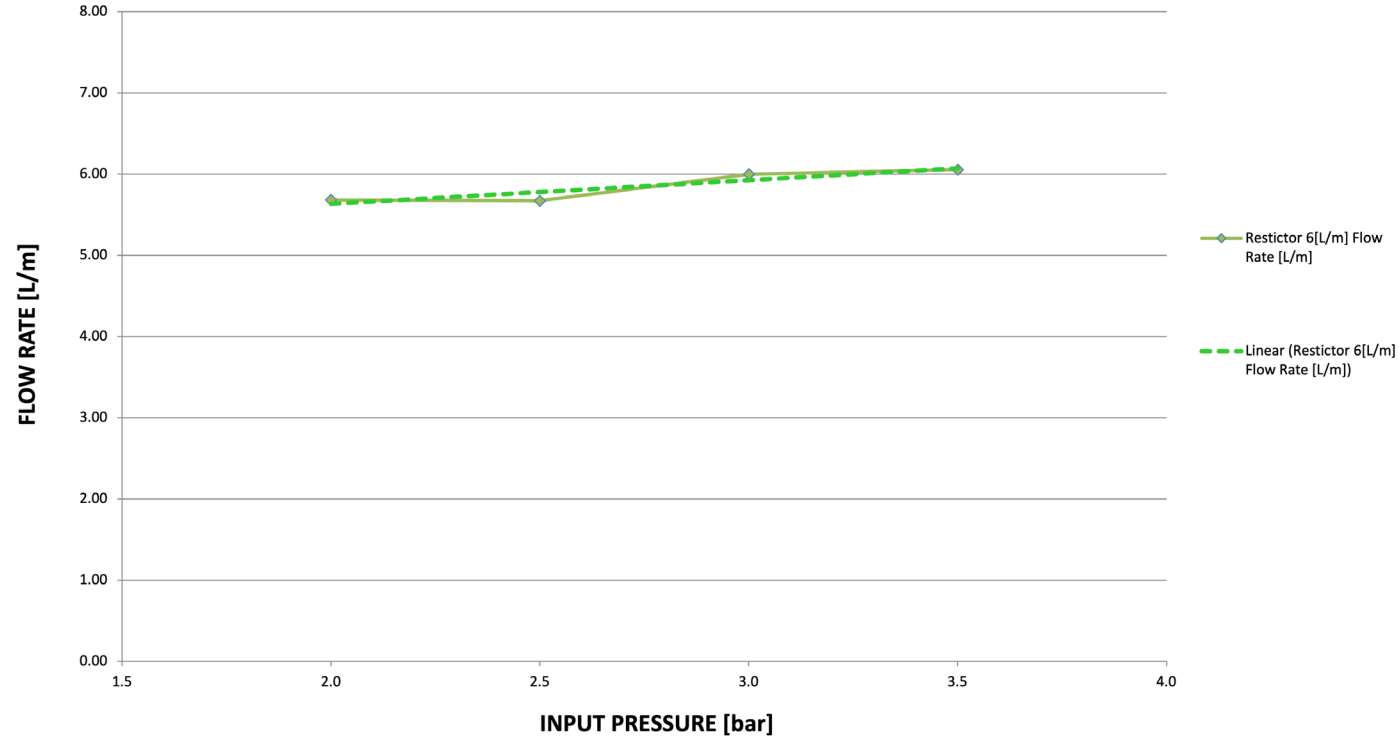


Ambient Noise Corrected Data

Ambient Noise	30.9	32.9	34
	Pressure Drop [Pa]		
Distance	44 [Pa]	66 [Pa]	87 [Pa]
0	6.0	11.1	14.3
10	4.9	9.6	13.8
20	3.7	7.8	13.0
30	3.5	4.6	12.6
40	2.7	3.6	9.7
50	2.1	2.6	5.0
60	1.9	2.0	4.0
70	1.6	1.8	2.2
80	1.3	1.5	2.1
90	1.1	1.2	1.0
100	0.1	0.4	0.0

ECO PERFORMANCE EXPERIMENTS

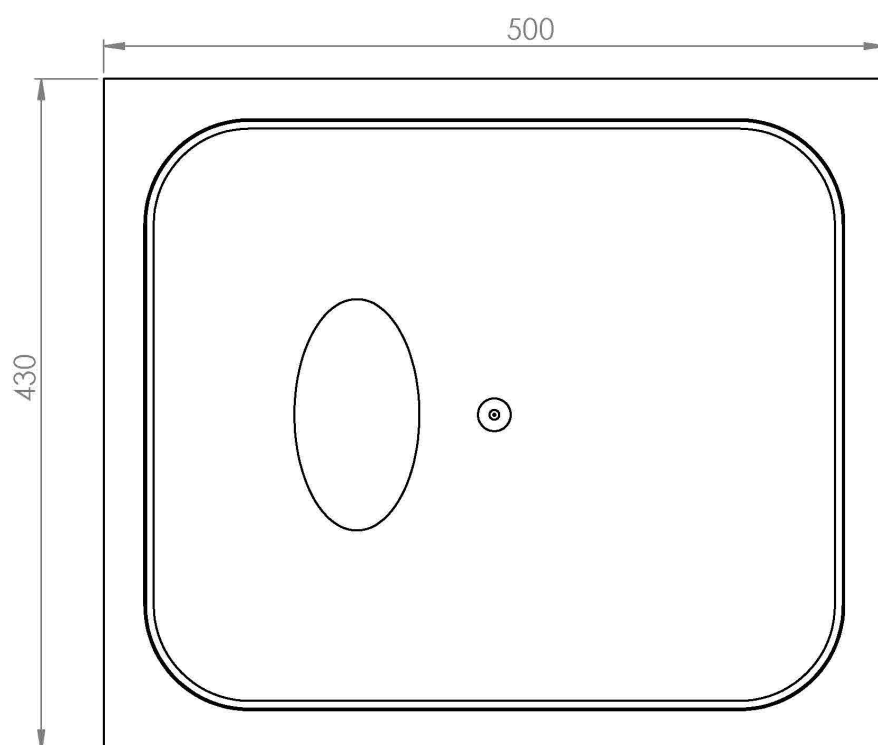
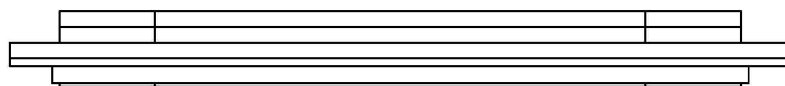
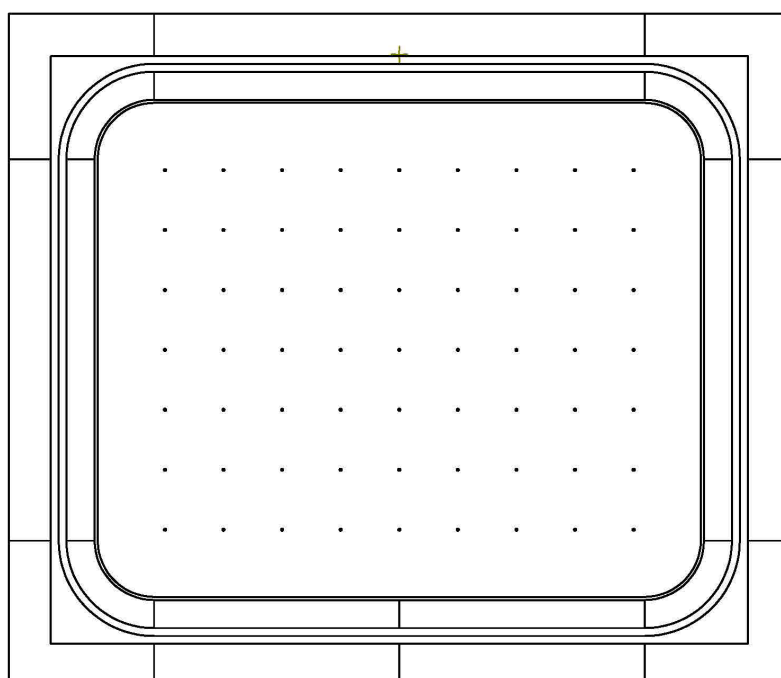
INVISHOWER RESTRICTOR VALUE VS PRESSURE VS FLOW RATE



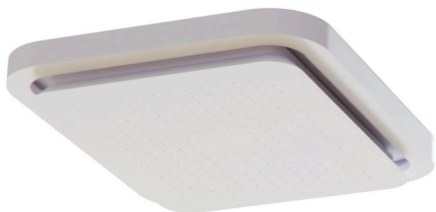
ECO Performance Experiments

PRESSURE [bar]	Restictor 6[L/m] Flow Rate [L/m]
2.0	5.68
2.5	6.00
3.0	6.00
3.0	6.06

ITEMS INCLUDED



ITEMS INCLUDED



Shower head (x1)



PVC Frame (x1)



Ventus Spigot S1250 (x1)



Ventus Spigot S1000 (x1)

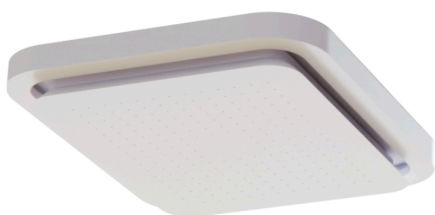


Adaptor Base (x1)



Screws 20mm (x4)
Screws 35mm (x8)

● **PACKAGE INCLUDES THE FOLLOWING PARTS:**



InviShower



**VENTUS SPIGOT
S1250**



**VENTUS SPIGOT
S1000**



**ADAPTOR BASE
S1000BA**



**ASSEMBLY &
INSTALLATION
SCREWS**

● **ASSEMBLY INSTRUCTIONS**

Select one of the two spigot size options.
**Ventus Spigot S1250 or Ventus Spigot S1000 with
Adaptor Base S100BA**



**VENTUS SPIGOT
S1250**



**VENTUS SPIGOT
S1000**



**ADAPTOR BASE
S1000BA**

If you choose Ventus Spigot S1000



**VENTUS SPIGOT
S1000**

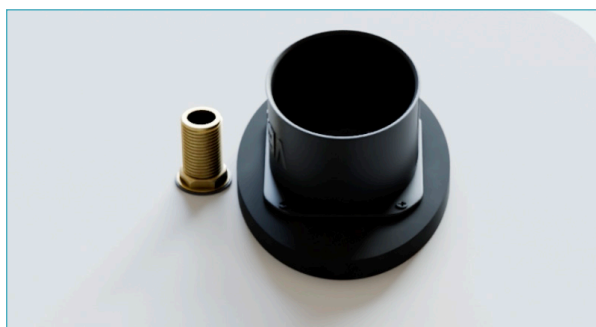


**ADAPTOR BASE
S1000BA**

Position the **ADAPTOR BASE (S1000BA)** over
the rear opening of the product, ensuring it is
correctly aligned with the hole.



Place the **VENTUS SPIGOT (S1000)** on top of the
adaptor base, aligning the screw holes



If you select VENTUS SPIGOT S1250



**VENTUS SPIGOT
S1250**

Position the **VENTUS SPIGOT (S1250)** over the
hole, then fasten it securely with screws



● INLINE DUCT FAN INSTALLATION

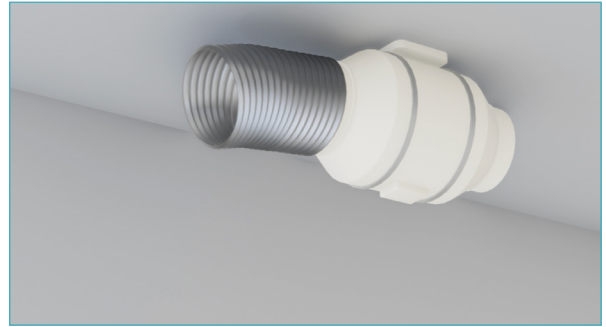
To install the ventilation system, start by positioning the inline duct fan in the designated section of the ductwork



This configuration ensures proper airflow and efficient ventilation of the space

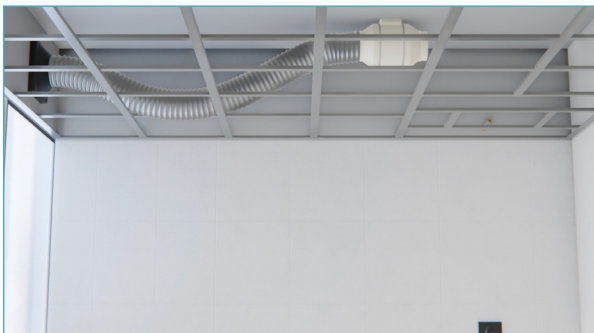


Then, connect the other end of the flexible duct to the ventilation fan located outside the building.

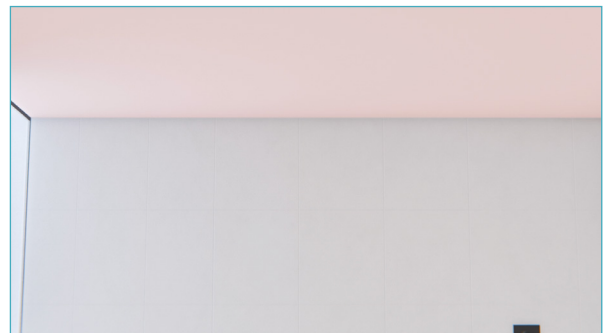


● INSTALLATION PROCESS

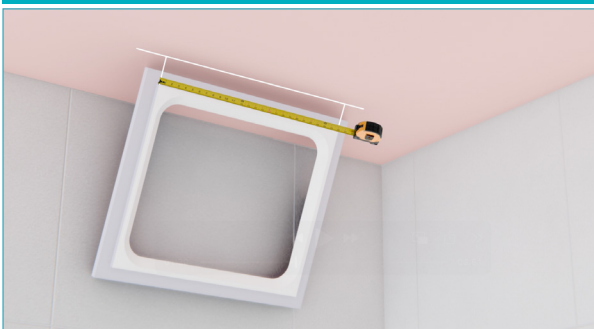
Create the metal frame on the ceiling



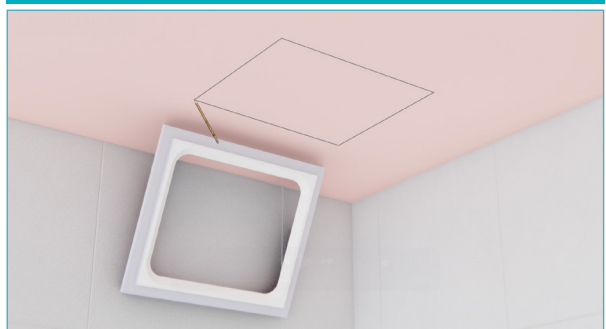
Install the gypsum board



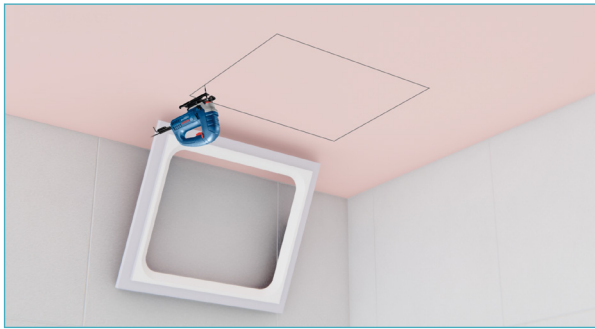
Use the frame as a template to mark the outline of the product on the gypsum board.



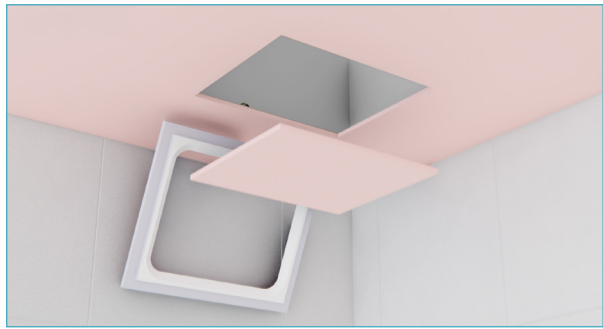
With a pencil, carefully trace the shape to define the installation area before cutting



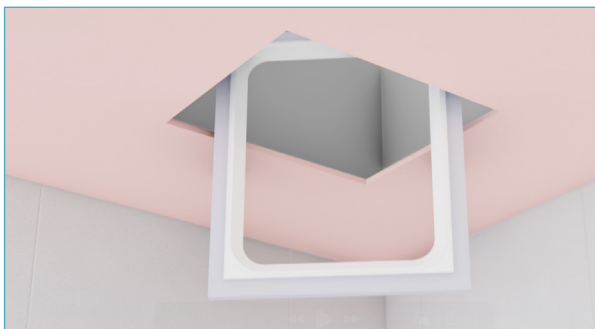
Carefully cut along the marked pencil outline using a sharp utility knife or another suitable cutting tool.



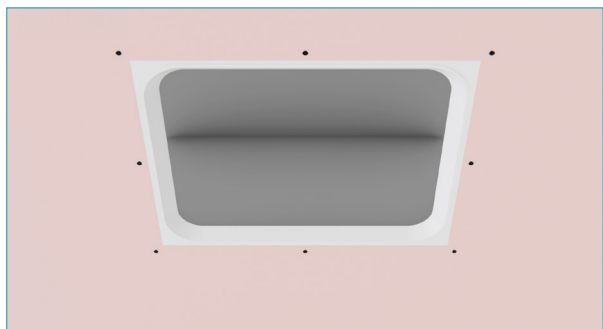
Once the cut is complete, gently remove the gypsum board section to create the installation opening.



Place the frame on the gypsum board.

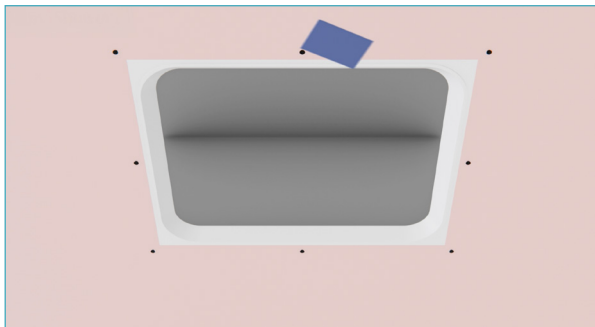


Secure the frame with the 35mm self-tapping screws.

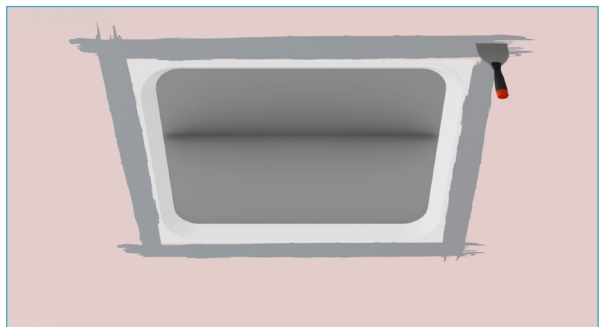


● FINISHING PROCESS

Sand the gypsum board using a sandpaper between 180/240 grit.



Joint compound



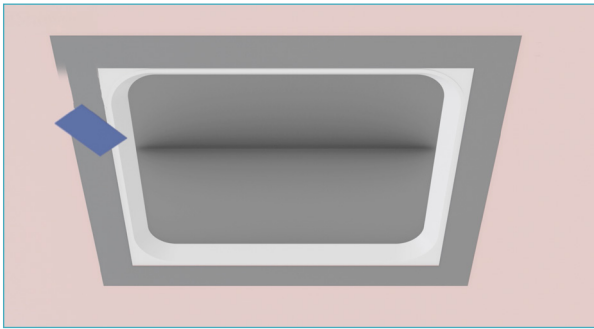
Mesh Tape



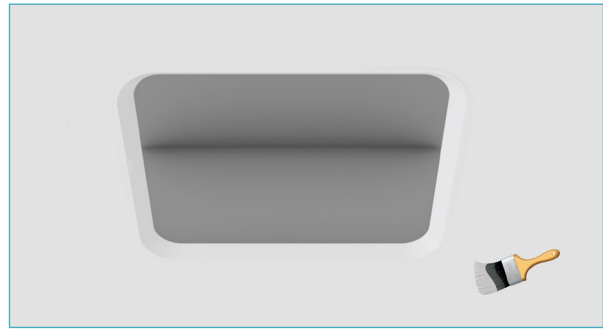
Joint compound



Sand the gypsum board using a sandpaper between 180/240 griff

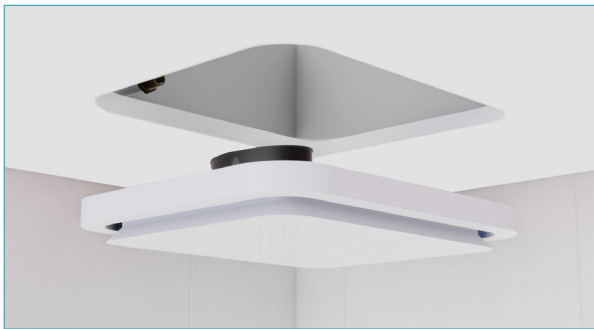


Ensure the gypsum board is painted prior to product installation.

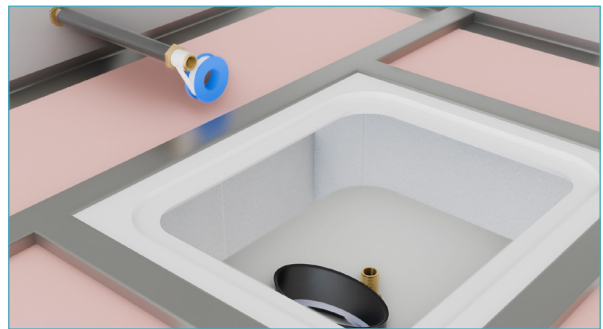


● INSTALLATION PROCESS

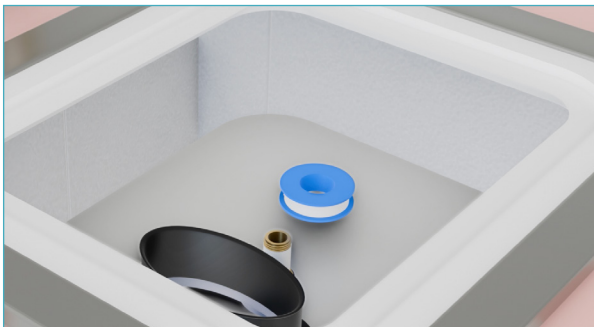
Once the finishing process is complete, position the product near the hole to start the installation



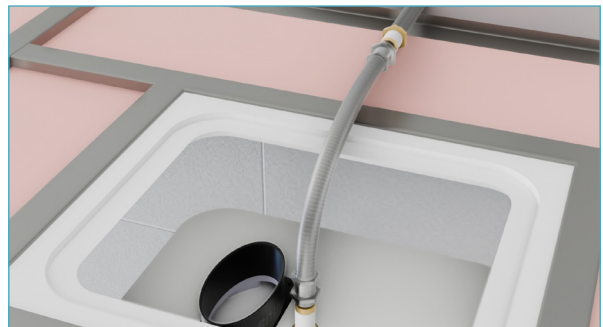
Wrap the Teflon tape for at least 12 turns to prevent leaks



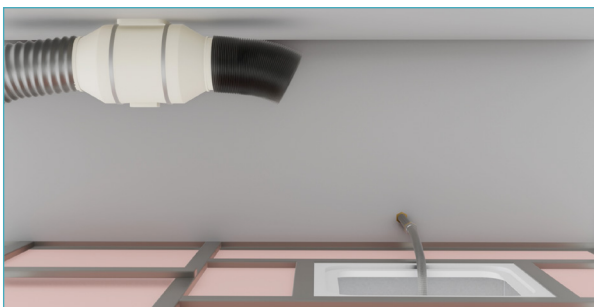
Wrap the Teflon tape for at least 12 turns to prevent leaks



Attach the flexible water supply hose to the water supply pipe and tighten the connection securely to ensure a leak-free seal



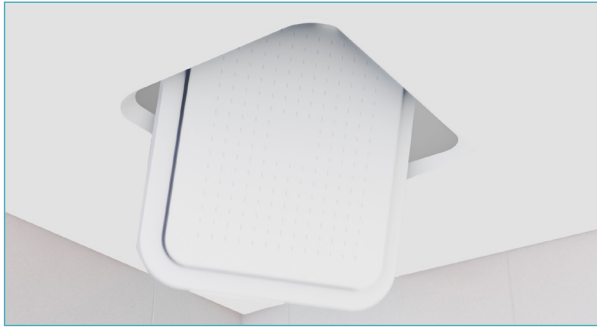
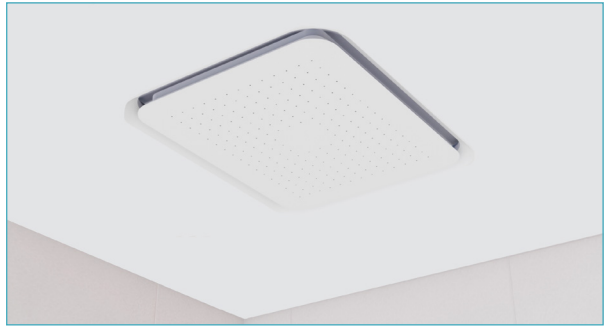
To complete the ventilation setup, connect another flexible duct to the opposite side of the inline fan, positioning its end just before the ceiling opening.



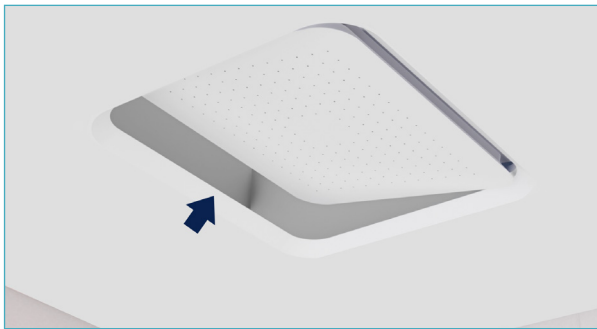
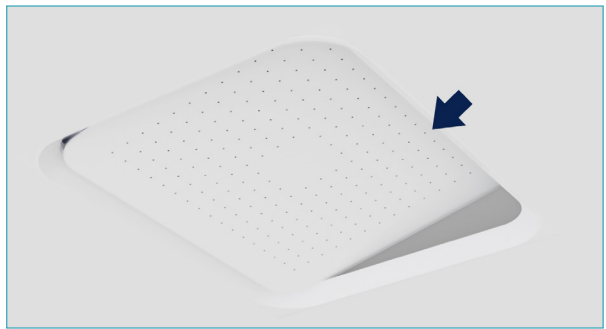
Take the second flexible duct (already connected on one side to the inline duct, near the gypsum board opening) and connect the other end to the spigot at the back of the product.



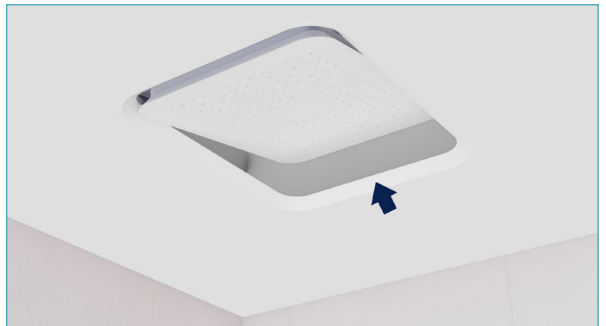
Insert the INVISHOWER diagonally through the gypsum board opening and position it onto the frame.



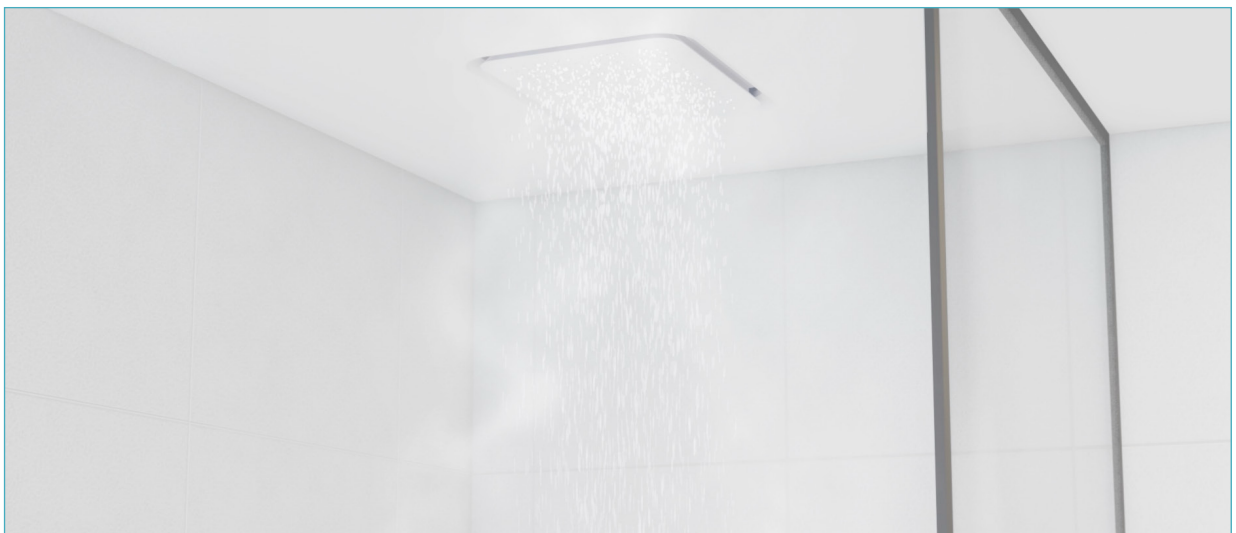
Four access ways without the need of special tools

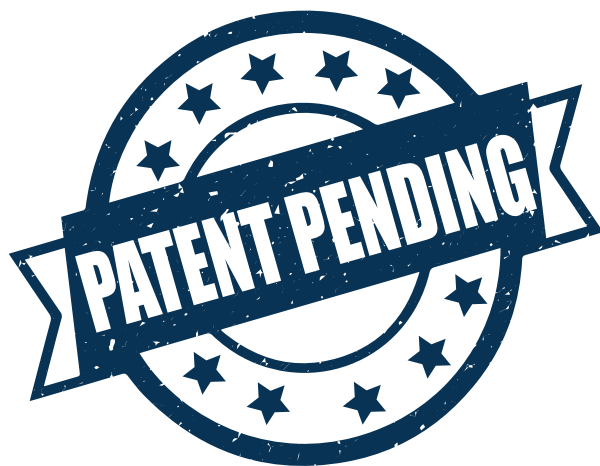


Four access ways without the need of special tools



READY TO USE!





Copyright © INVISHOWER®.

INVISHOWER® and D. ELLINAS FACTORY PRODUCTS LTD® are registered trademarks.
All rights reserved. The brand and its intellectual property are protected under European and
International laws.

D.Ellinas Factory Products is a registered company in Cyprus (reg. no.HE260375)

All products are designed and manufactured in Cyprus (EU).

www.ventusair.eu

