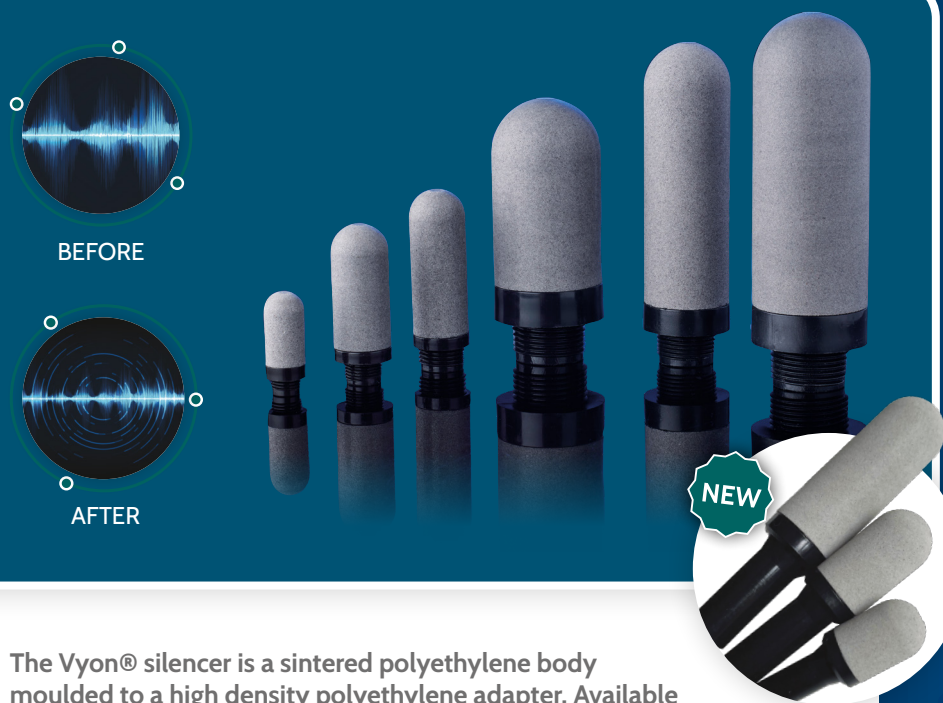




Vyön® Silencers

Pneumatic Equipment Silencing



The Vyön® silencer is a sintered polyethylene body moulded to a high density polyethylene adapter. Available in push-in and threaded formats, the silencers are designed to significantly reduce noise without compromising air flow.

The silencer is directly attached to the exhaust port of a control valve. The exhausting air escapes to the atmosphere by expanding through the porous body.

The noise from a single unsilenced exhaust port is reduced from about 90 decibels to between 60 and 70 decibels when fitted with a Vyön® silencer. 90 decibels corresponds to the noise produced by a heavy truck or underground train passing at a distance of a few feet and represents the acknowledged danger level to which people should not be exposed for any length of time. By comparison, 60 decibels corresponds to normal conversation at a distance of 3 feet.

Quality Assurance

Our high expectation for quality, coupled with our commitment to continuous improvement, assures you that our raw materials are carefully selected, and our manufacturing processes are optimally controlled to cGMP standards. Porvair Sciences are an open company who regularly partake in audits and are ISO9001 certified.



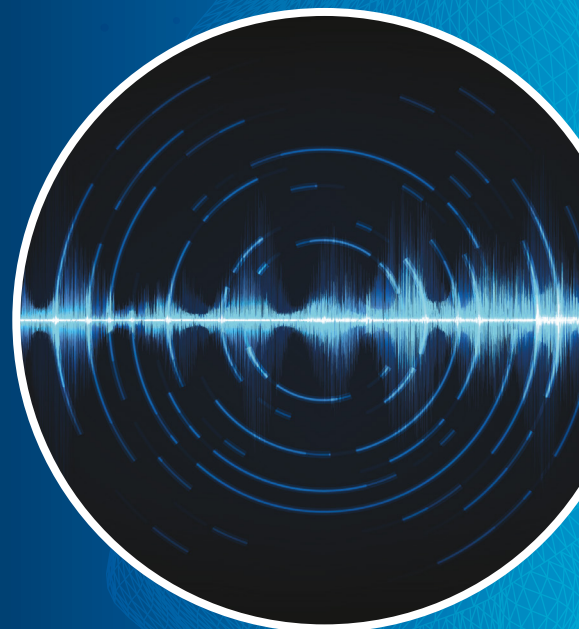
Precision Engineering

- Tight tolerances
- Pore size ranges
- Bespoke configurations and specifications

Partnerships for Life

Combining your product with the right technology is achieved by understanding not only the requirements but the application and performance needs. All projects are assigned a key contact and team who will work closely with your company up to the point of completion. Our team is flexible in their approach enabling us to collaborate and ensure a successful project completion.

We have a dedicated team of scientists, engineers, production and quality professionals working towards the best possible filtration solutions for our customers. We have a fully equipped test house and laboratory, and our experienced design engineers use the latest AutoCAD® technology, with 3D solid modelling, integrated with a finite element analysis system to give full structural assurance capability.



Specifications and Additional Information

Materials of Manufacture

Body: Vyon® sintered porous HDPE

Adapter: Injection moulded solid HDPE

Fitting

M5, BSP (British Standard Pipe) and Push In connections.

Maximum Working Pressure

10bar (150psi)

Noise Reduction

Up to 30dB

Operating Temperature

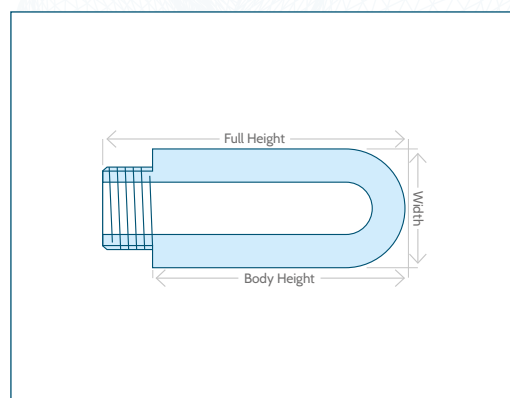
From -70°C (-94°F) to +80°C (176°F)

Features and Benefits

- **Significant noise reduction**
Up to 30 decibels, the difference between an underground train and normal conversation.
- **Easy installation**
Our silencers are available with M5, BSP & Push In Connections. They fit directly and must always match the size of the exhaust port.
- **Operating conditions**
For application on systems with working pressures up to 150psi.
- **Minimal flow loss**
Effectively zero in a vast number of applications.
- **Minimal maintenance costs**
Elements can be cleaned and reused, reducing replacement and maintenance costs.
- **Maintenance free**
Unaffected by water or oil. Silencers should not be allowed to become blocked or blinded with debris.

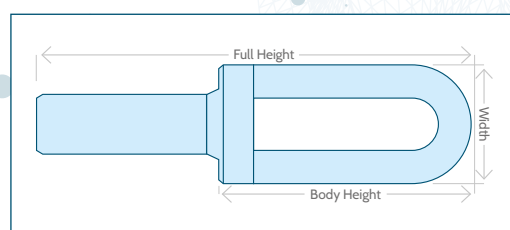
Dimensions - Threaded

Part Number	Description	Body Colour	Width (mm)	Body Height (mm)	Full Height (mm)
PSITP22740F	M5	WHITE	6.50	17.50	21.50
PSITP11330F	1/8"	GREY	12.85	27.80	34.50
PSITP11340F	1/4"	GREY	16.60	35.70	42.60
PSITP11960F	1/4" LONG BODY	GREY	16.60	52.30	59.70
PSITP11350F	3/8"	GREY	24.40	57.40	67.50
PSITP22580F	3/8" SLIM BODY	GREY	18.75	57.40	67.50
PSITP11360F	1/2"	GREY	24.80	68.00	78.50
PSITP11410F	3/4"	GREY	37.60	124.80	139.80
PSITP11420F	1"	GREY	47.80	135.50	154.00
PSITP11430F	1" SHORT BODY	GREY	47.80	52.30	59.70



Dimensions - Push-In

Part Number	Description	Body Colour	Width (mm)	Body Height (mm)	Full Height (mm)
PSITP22380F	SIZE 4	WHITE	7.00	16.00	32.00
PSITP22390F	SIZE 6	GREY	12.50	24.50	45.00
PSITP22400F	SIZE 8	GREY	13.50	22.00	43.50
PSITP22410F	SIZE 10	GREY	15.50	31.00	57.50
PSITP22420F	SIZE 12	GREY	18.50	53.00	82.00



Can't Find What You're Looking For?

We can make it. Together with our expertise and your requirements, work with us to create a product you truly need.

porvair
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