

Euroflex™ 120

Vinyl Coated Flexible Ducting



Traditional style flexible ducting giving a rugged, economical flexible duct with an exceptional fire integrity

Heavy duty vinyl coated fibreglass fabric with high mechanical strength

Independently tested to BS 476 pt. 20; fire integrity of 76 mins

Independently tested to BS 476 pt. 7; Class 1 material

Independently tested to BS 476 pt. 6; Propagation index 1:3, Sub index h: 2

Six metre standard length for convenience and economy

Sizes range from 50 to 600mm nominal bore diameter.

Application Data

The installation of air conditioning and mechanical ventilation systems may affect the fire risk within a building. The extent and detail of statutory control and other specialist interests varies according to the design, use, occupation and location of the building and the type of air conditioning or ventilation system proposed. It is essential that all appropriate authorities be fully consulted at an early stage (e.g. District Surveyor, Superintending Architect, Fire Department, etc.)

Where air distribution systems pass through various sections of a building they may provide a ready path for the spread of smoke and fire. The designer should ensure that wherever practicable the materials specified for the system should be non-combustible or difficult to ignite and possess a good rating of surface spread of flame when tested in accordance with the appropriate parts of BS476. In addition, such materials should not generate smoke or toxic fumes when subjected to fire or heat. The suitability of many materials will need to be agreed by the enforcing authority. Since there is no published list of acceptable materials the designer or installer may be required to provide authoritative test data for the products it is intended to use.

Codes of Practice and Regulations dealing with fire safety aspects of ventilation systems frequently refer to flexible joints and connections:

Flexible Joints

Flexible joints are normally provided to prevent vibration and /or allow for thermal movements in the system and should not exceed 300mm in length.

Flexible Connections

Flexible connections are normally provided at the extremities of the ductwork system to facilitate site connections to grilles, diffusers, air boxes and combined air/light fixtures, mixing boxes and terminal units. Such connectors are nearly always provided for by the use of factory manufactured circular flexible ducting.

Various types are available, since airflow/pressure drop characteristics, acoustic and thermal properties may all be important to system design. From the fire safety viewpoint BSCP 413:1973 recommends that flexible connections should not exceed 3.7 m in length and should not pass through fire-resisting walls, floors or partitions.

Euroflex Type 120 coated flexible fibreglass ducting has been independently tested at Warrington Research Centre as defined by BS476.

Vinyl Coated Flexible ducting

Fire Test Data

In BSCP 413:1973 it is recommended that for flexible (ducting) connections the materials of construction should preferably be noncombustible; alternatively:

i when tested in accordance with the propagation test in BS 476 Part 6, should have an index of performance not exceeding 12, of which not more than 6 should derive from the initial period of the test.

ii when involved in a fire should generate a minimum amount of smoke and toxic gases.

In practice, flexible ducting is tested to BS476 Parts 7 & 8 and should satisfy the requirements in (ii).

BS476 Part 7 deals with surface spread of flame test for materials and provides a method of classification according to the rate and distance of spread of flame across them (Class 1 limits flame spread to 165mm in 11/2 minutes). BS476 Part 8 provides a method of assessing the 'integrity'f (time resistance of fire penetration) of flexible ducting connections.

In BSCP 413 flexible joints are required to have a resistance to the penetration of fire of at least 15 minutes when tested in accordance with BS 476 Part 8 and should be constructed of material rated Class 1 in the surface spread of flame test in BS 476 without treatment and should not give off excessive quantities of smoke when burnt. In the absence of other criteria, many enforcing Authorities appear to use this as a guideline to the required fire performance of flexible connections.

Product Range

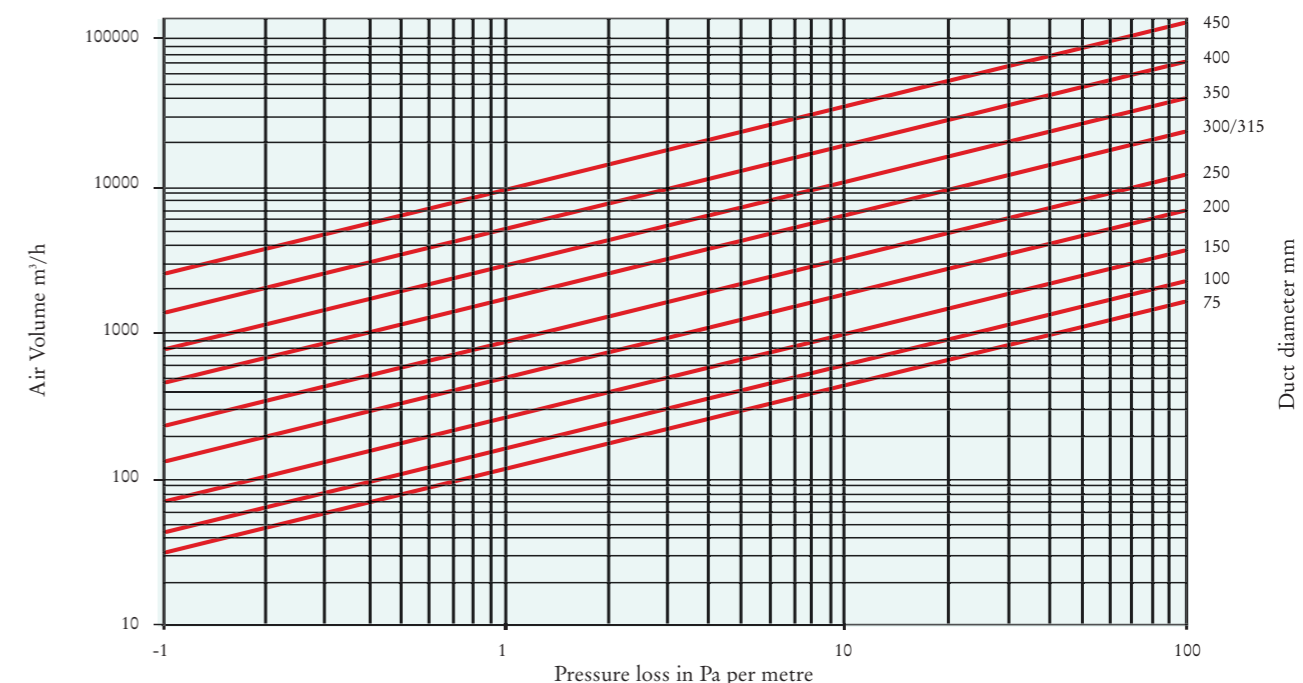
| Nominal Bore | | Code No |
|--------------|-----|----------|
| Ins | mm | |
| 2 | 50 | 12900051 |
| 3 | 75 | 12903076 |
| 4 | 100 | 12904102 |
| - | 114 | 12900114 |
| 5 | 125 | 12905127 |
| 6 | 150 | 12906152 |
| - | 160 | 12900160 |
| 7 | 175 | 12907180 |
| 8 | 200 | 12908203 |
| 9 | 225 | 12909229 |
| 10 | 250 | 12910254 |
| 12 | 300 | 12912305 |
| - | 315 | 12900315 |
| 14 | 350 | 12914356 |
| 16 | 400 | 12916406 |
| 18 | 450 | 12918456 |
| 20 | 500 | 12920508 |
| 22 | 550 | 12922556 |
| 24 | 600 | 12924608 |

Specifications

Vinyl coated fibreglass fabric supported by a coated spring steel wire helix.

Colour: grey
 Operating temperature: -5°C to +93°C
 Working pressure: -240Pa to +2450Pa
 Standard length: 6.0m
 Minimum bend radius: 0.6 x diameter

Pressure Loss Graph



Euroflex™ 130

Aluminium Flexible Ducting



Super compressible flexible ducting constructed from multiple layer aluminium laminate

Ten metre length – compresses to 0.7m individually packaged

High tensile steel helix offers excellent resistance to crushing

Independently tested to BS 476 pt, 20; fire integrity of 39mins

Independently tested to BS 476 pt, 7; Class D1 material

Sizes range from 75 to 315mm nominal bore diameter.

Application Data

The installation of air conditioning and mechanical ventilation systems may affect the fire risk within a building. The extent and detail of statutory control and other specialist interests varies according to the design, use, occupation and location of the building and the type of air conditioning or ventilation system proposed. It is essential that all appropriate authorities be fully consulted at an early stage (e.g. District Surveyor, Superintending Architect, Fire Department, etc.).

Where air distribution systems pass through various sections of a building they may provide a ready path for the spread of smoke and fire. The designer should ensure that wherever practicable the materials specified for the system should be non-combustible or difficult to ignite and possess a good rating of surface spread of flame when tested in accordance with the appropriate parts of BS476. In addition, such materials should not generate smoke or toxic fumes when subjected to fire or heat. The suitability of many materials will need to be agreed by the enforcing authority. Since there is no published list of acceptable materials the designer or installer may be required to provide authoritative test data for the products it is intended to use.

Codes of Practice and Regulations dealing with fire safety aspects of ventilation systems frequently refer to flexible joints and connections:

Flexible Joints

Flexible joints are normally provided to prevent vibration and /or allow for thermal movements in the system and should not exceed 300mm in length.

Flexible Connections

Flexible connections are normally provided at the extremities of the ductwork system to facilitate site connections to grilles, diffusers, air boxes and combined air/light fixtures, mixing boxes and terminal units. Such connectors are nearly always provided for by the use of factory manufactured circular flexible ducting.

Various types are available, since airflow/pressure drop characteristics, acoustic and thermal properties may all be important to system design. From the fire safety viewpoint BSCP 413:1973 recommends that flexible connections should not exceed 3.7m in length and should not pass through fire-resisting walls, floors or partitions.

Euroflex Type 130 has been independently tested at Warrington Research Centre as defined by BS 476.

Aluminium Flexible Ducting

Fire Test Data

In BSCP 413:1973 it is recommended that for flexible (ducting) connections the materials of construction should preferably be noncombustible; alternatively:

- i when tested in accordance with the propagation test in BS476 Part 6, should have an index of performance not exceeding 12, of which not more than 6 should derive from the initial period of the test.
- ii when involved in a fire should generate a minimum amount of smoke and toxic gases.

In practice, flexible ducting is tested to BS476 Parts 7 & 8 and should satisfy the requirements in (ii).

BS476 Part 7 deals with surface spread of flame test for materials and provides a method of classification according to the rate and distance of spread of flame across them (Class 1 limits flame spread to 165mm in 11/2 minutes). BS476 Part 8 provides a method of assessing the 'integrity' (time resistance of fire penetration) of flexible ducting connections.

In BSCP 413 flexible joints are required to have a resistance to the penetration of fire of at least 15 minutes when tested in accordance with BS 476 Part 8 and should be constructed of material rated Class 1 in the surface spread of flame test in BS 476 without treatment and should not give off excessive quantities of smoke when burnt. In the absence of other criteria, many enforcing Authorities appear to use this as a guideline to the required fire performance of flexible connections.

Product Range

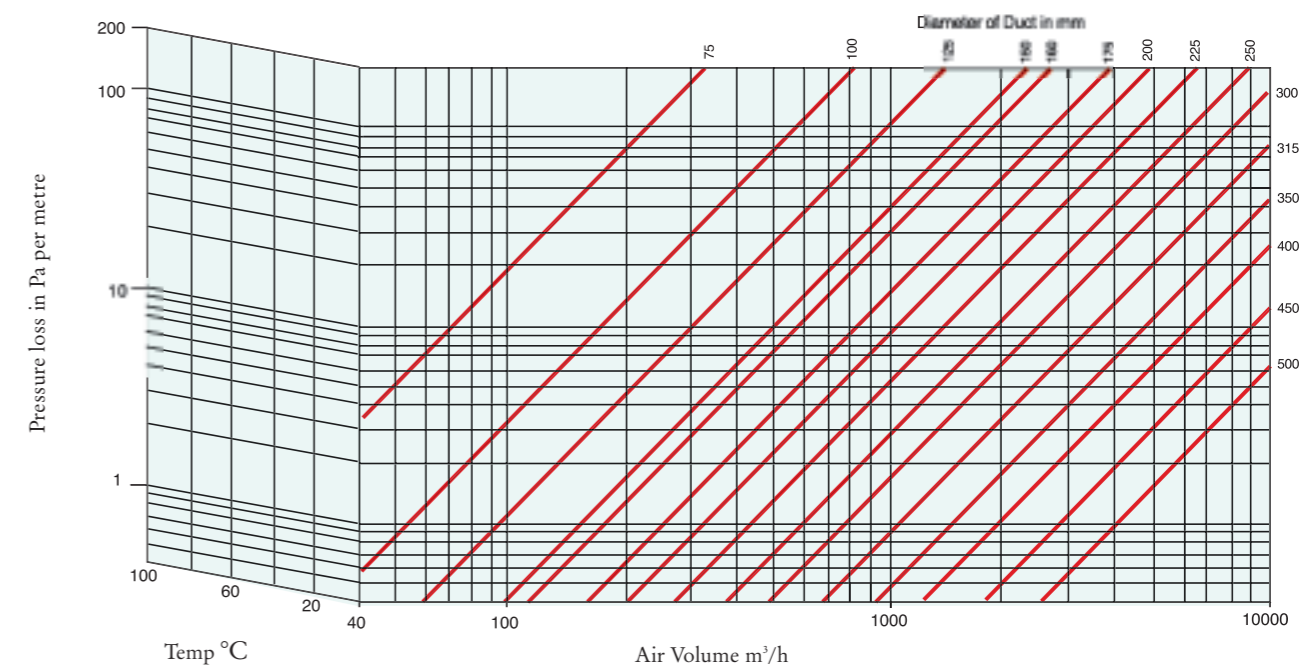
| Nominal Bore | | |
|--------------|-----|----------|
| Ins | mm | Code No |
| 3 | 75 | 13903076 |
| 4 | 100 | 13904102 |
| 5 | 125 | 13905127 |
| 6 | 150 | 13906152 |
| – | 160 | 13900160 |
| 7 | 175 | 13907180 |
| 8 | 200 | 13908203 |
| 9 | 225 | 13909229 |
| 10 | 250 | 13910254 |
| 12 | 300 | 13912305 |
| – | 315 | 13900315 |

Specifications

Aluminium, flexible duct, constructed from a multiple layer laminate, based on aluminium/polyester/ aluminium enclosing and supported by a high tensile continuous steel helix.

- Operating temperature: -20°C to +120°C
- Extended length: 10 metres
- Compressed length: 0.7m
- Working pressure: Up to 2450Pa
- Minimum bend radius: 0.6 x diameter

Pressure Loss Graph



Euroflex™ 150

Multiple Layered Aluminium Flexible Ducting



Super compressible flexible duct constructed from multiple layer aluminium laminate with fibreglass scrim reinforcement

Ten metre length – compresses to 0.7m individually packaged

Extremely robust construction offers exceptional resistance to crushing and sagging

Independently tested to BS 476 pt, 20; fire integrity of 41mins

Sizes range from 75 to 600mm nominal bore diameter.

Application Data

The installation of air conditioning and mechanical ventilation systems may affect the fire risk within a building. The extent and detail of statutory control and other specialist interests varies according to the design, use, occupation and location of the building and the type of air conditioning or ventilation system proposed. It is essential that all appropriate authorities be fully consulted at an early stage (e.g. District Surveyor, Superintending Architect, Fire Department, etc.).

Where air distribution systems pass through various sections of a building they may provide a ready path for the spread of smoke and fire. The designer should ensure that wherever practicable the materials specified for the system should be non-combustible or difficult to ignite and possess a good rating of surface spread of flame when tested in accordance with the appropriate parts of BS476. In addition, such materials should not generate smoke or toxic fumes when subjected to fire or heat. The suitability of many materials will need to be agreed by the enforcing authority. Since there is no published list of acceptable materials the designer or installer may be required to provide authoritative test data for the products it is intended to use.

Codes of Practice and Regulations dealing with fire safety aspects of ventilation systems frequently refer to flexible joints and connections:

Flexible Joints

Flexible joints are normally provided to prevent vibration and /or allow for thermal movements in the system and should not exceed 300mm in length.

Flexible Connections

Flexible connections are normally provided at the extremities of the ductwork system to facilitate site connections to grilles, diffusers, air boxes and combined air/light fixtures, mixing boxes and terminal units. Such connectors are nearly always provided for by the use of factory manufactured circular flexible ducting.

Various types are available, since airflow/pressure drop characteristics, acoustic and thermal properties may all be important to system design. From the fire safety viewpoint BSCP 413:1973 recommends that flexible connections should not exceed 3.7 m in length and should not pass through fire-resisting walls, floors or partitions.

Euroflex Type 150 has been independently tested at Warrington Research Centre as defined by BS 476.

Multiple Layered Aluminium Flexible Ducting

Fire Test Data

In BSCP 413:1973 it is recommended that for flexible (ducting) connections the materials of construction should preferably be noncombustible; alternatively:

i when tested in accordance with the propagation test in BS 476 Part 6, should have an index of performance not exceeding 12, of which not more than 6 should derive from the initial period of the test.

ii when involved in a fire should generate a minimum amount of smoke and toxic gases.

In practice, flexible ducting is tested to BS476 Parts 7 & 8 and should satisfy the requirements in (ii).

BS476 Part 7 deals with surface spread of flame test for materials and provides a method of classification according to the rate and distance of spread of flame across them (Class 1 limits flame spread to 165mm in 11/2 minutes). BS476 Part 8 provides a method of assessing the 'integrity' (time resistance of fire penetration) of flexible ducting connections.

In BSCP 413 flexible joints are required to have a resistance to the penetration of fire of at least 15 minutes when tested in accordance with BS 476 Part 8 and should be constructed of material rated Class 1 in the surface spread of flame test in BS 476 without treatment and should not give off excessive quantities of smoke when burnt. In the absence of other criteria, many enforcing Authorities appear to use this as a guideline to the required fire performance of flexible connections.

Product Range

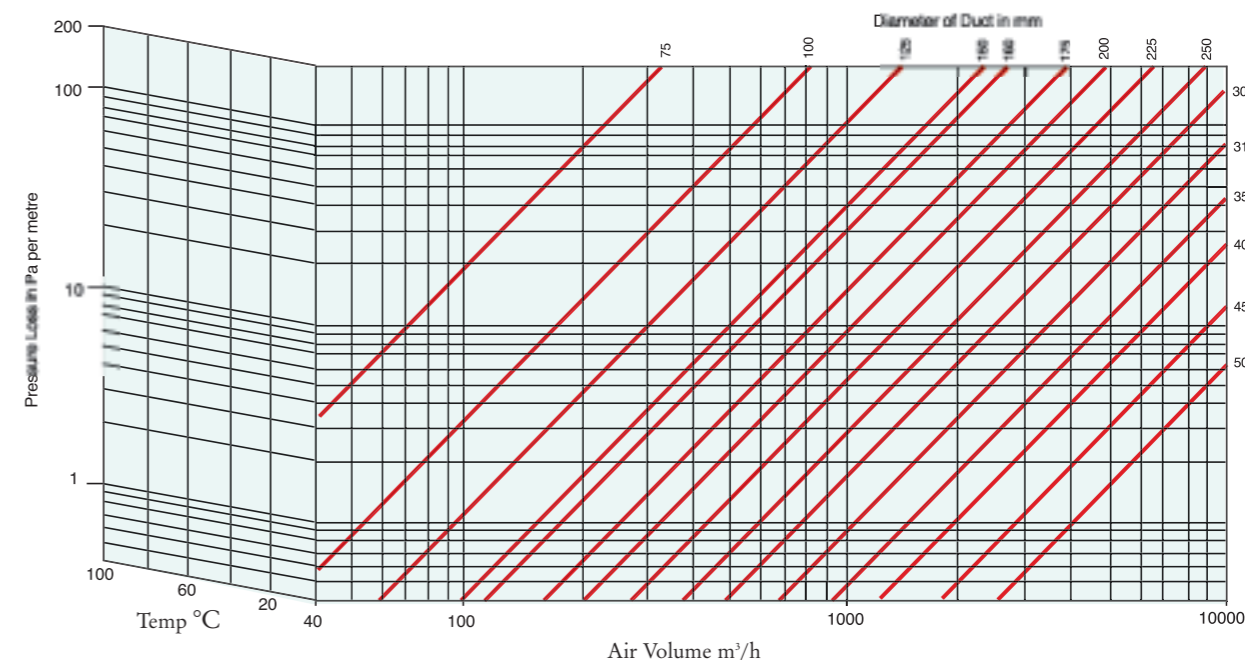
| Nominal Bore | | Code No |
|--------------|-----|----------|
| Ins | mm | |
| 3 | 75 | 15903076 |
| 4 | 100 | 15904102 |
| 5 | 125 | 15905127 |
| 6 | 150 | 15906152 |
| – | 160 | 15900160 |
| 7 | 175 | 15907180 |
| 8 | 200 | 15908203 |
| 9 | 225 | 15909229 |
| 10 | 250 | 15910254 |
| 12 | 300 | 15912305 |
| – | 315 | 15900315 |
| 14 | 350 | 15914356 |
| 16 | 400 | 15916406 |
| 18 | 450 | 15918456 |
| 20 | 500 | 15920508 |
| 22 | 550 | 15922556 |
| 24 | 600 | 15924608 |

Specifications

Super compressible, aluminium, flexible duct, constructed from a multiple layer laminate, based on aluminium/polyester/aluminium with fibreglass scrim reinforcement. Enclosing and supported by a high tensile continuous steel helix.

Operating temperature: -20°C to +120°C
 Extended length: 10 metres
 Compressed length: 1.4m
 Working pressure: Up to 2450Pa
 Minimum Bend Radius: 0.6 x diameter

Pressure Loss Graph



Euroflex™ 200

Thermal Flexible Ducting



Pre-installed flexible duct with 25mm high density fibreglass insulation and scrim reinforced aluminium laminate vapour barrier

10 metre length – compresses to 1.4m individually packaged

Independently tested to BS 476 pt, 20; fire integrity of 27 mins

Independently tested to BS 476 pt, 7; Class D1 material

Independently tested to BS 476 pt, 6; Propagation index 1: 8.1, Sub index h: 5.1

Size range from 75 to 500mm nominal bore diameter.

Application Data

The installation of air conditioning and mechanical ventilation systems may affect the fire risk within a building. The extent and detail of statutory control and other specialist interests varies according to the design, use, occupation and location of the building and the type of air conditioning or ventilation system proposed. It is essential that all appropriate authorities be fully consulted at an early stage (e.g. District Surveyor, Superintending Architect, Fire Department, etc.).

Where air distribution systems pass through various sections of a building they may provide a ready path for the spread of smoke and fire. The designer should ensure that wherever practicable the materials specified for the system should be non-combustible or difficult to ignite and possess a good rating of surface spread of flame when tested in accordance with the appropriate parts of BS476. In addition, such materials should not generate smoke or toxic fumes when subjected to fire or heat. The suitability of many materials will need to be agreed by the enforcing authority. Since there is no published list of acceptable materials the designer or installer may be required to provide authoritative test data for the products it is intended to use.

Codes of Practice and Regulations dealing with fire safety aspects of ventilation systems frequently refer to flexible joints and connections:

Flexible Joints

Flexible joints are normally provided to prevent vibration and /or allow for thermal movements in the system and should not exceed 300mm in length.

Flexible Connections

Flexible connections are normally provided at the extremities of the ductwork system to facilitate site connections to grilles, diffusers, air boxes and combined air/light fixtures, mixing boxes and terminal units. Such connectors are nearly always provided for by the use of factory manufactured circular flexible ducting.

Various types are available, since airflow/pressure drop characteristics, acoustic and thermal properties may all be important to system design. From the fire safety viewpoint BSCP 413:1973 recommends that flexible connections should not exceed 3.7 m in length and should not pass through fire-resisting walls, floors or partitions.

Euroflex Thermal Type 200 has been independently tested at Warrington Research Centre as defined by BS 476.

Thermal Flexible Ducting

Fire Test Data

In BSCP 413:1973 it is recommended that for flexible (ducting) connections the materials of construction should preferably be noncombustible; alternatively:

i when tested in accordance with the propagation test in BS 476 Part 6, should have an index of performance not exceeding 12, of which not more than 6 should derive from the initial period of the test.

ii when involved in a fire should generate a minimum amount of smoke and toxic gases.

In practice, flexible ducting is tested to BS476 Parts 7 & 8 and should satisfy the requirements in (ii).

BS476 Part 7 deals with surface spread of flame test for materials and provides a method of classification according to the rate and distance of spread of flame across them (Class 1 limits flame spread to 165mm in 11/2 minutes). BS476 Part 8 provides a method of assessing the 'integrity' (time resistance of fire penetration) of flexible ducting connections.

In BSCP 413 flexible joints are required to have a resistance to the penetration of fire of at least 15 minutes when tested in accordance with BS 476 Part 8 and should be constructed of material rated Class 1 in the surface spread of flame test in BS 476 without treatment and should not give off excessive quantities of smoke when burnt. In the absence of other criteria, many enforcing Authorities appear to use this as a guideline to the required fire performance of flexible connections.

Product Range

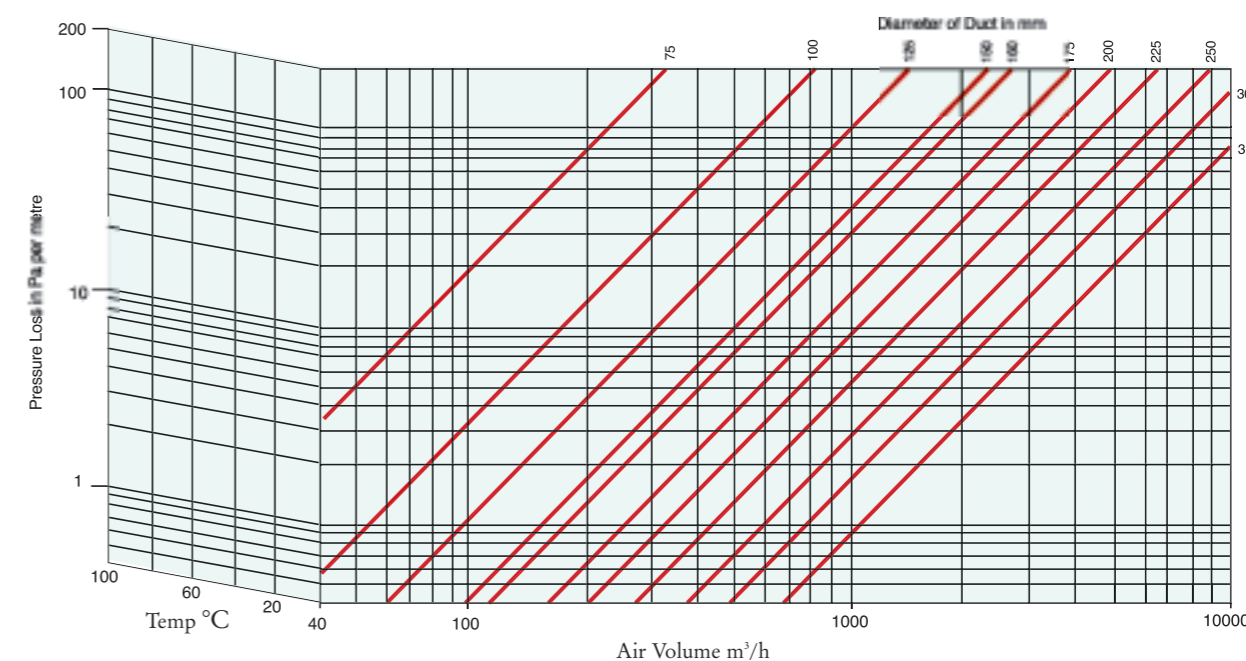
| Nominal Bore | | Code No |
|--------------|-----|----------|
| Ins | mm | |
| 3 | 75 | 20903076 |
| 4 | 100 | 20904102 |
| 5 | 125 | 20905127 |
| 6 | 150 | 20906152 |
| – | 160 | 20900160 |
| 7 | 175 | 20907180 |
| 8 | 200 | 20908203 |
| 9 | 225 | 20909229 |
| 10 | 250 | 20910254 |
| 12 | 300 | 20912305 |
| – | 315 | 20900315 |
| 14 | 350 | 20914356 |
| 16 | 400 | 20916406 |
| 18 | 450 | 20918456 |
| 20 | 500 | 20920508 |

Specifications

Insulated aluminium duct, Euroflex Super inner core with a uniform layer of fibreglass insulation and tough outer jacket of reinforced aluminium laminate acting as a vapour barrier.

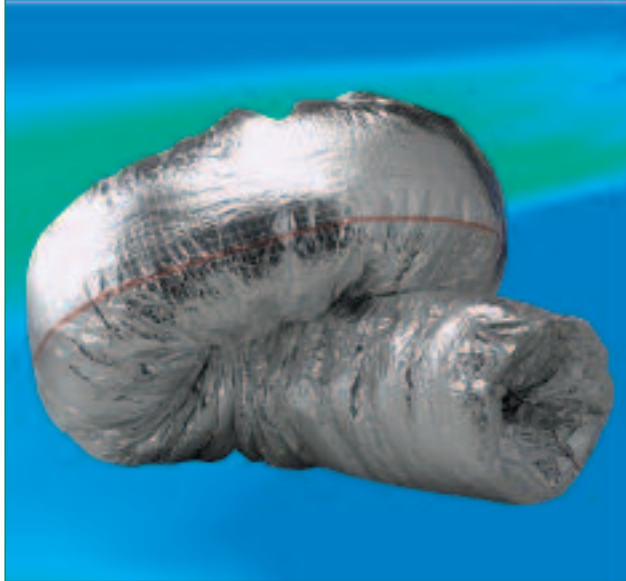
Operating temperature: -20°C to +120°C
 Extended length: 10 metres
 Compressed length: 1.4m
 Working pressure: Up to 2450Pa
 Minimum Bend Radius: 0.6 x diameter +0.085m

Pressure Loss Graph



Euroflex™ 350

Acoustic Flexible Ducting



Specifically designed for noise attenuation giving exceptional insertion loss over a wide frequency spectrum

Six metre standard length

Independently tested to bs 476 pt. 7; class d1 aluminium vapour barrier material

Sizes range from 75 to 500mm nominal bore diameter

Application Data

There are several aspects to be considered when addressing the problem of noise (simply defined as unwanted sound in air movement systems). The first and most important point is that close attention to predicted noise levels at the system design stage will prove far more cost effective than attempts to eliminate noise once the system has been installed. Euroflex Type 350 Acoustic has been specifically designed to provide a quick and effective solution to the problems of noise transmission into and from ventilated areas.

Specifications

Pre-insulated fibreglass skim inner duct with a uniform layer of fibreglass insulation all enclosed by a reinforced aluminium laminate vapour barrier.

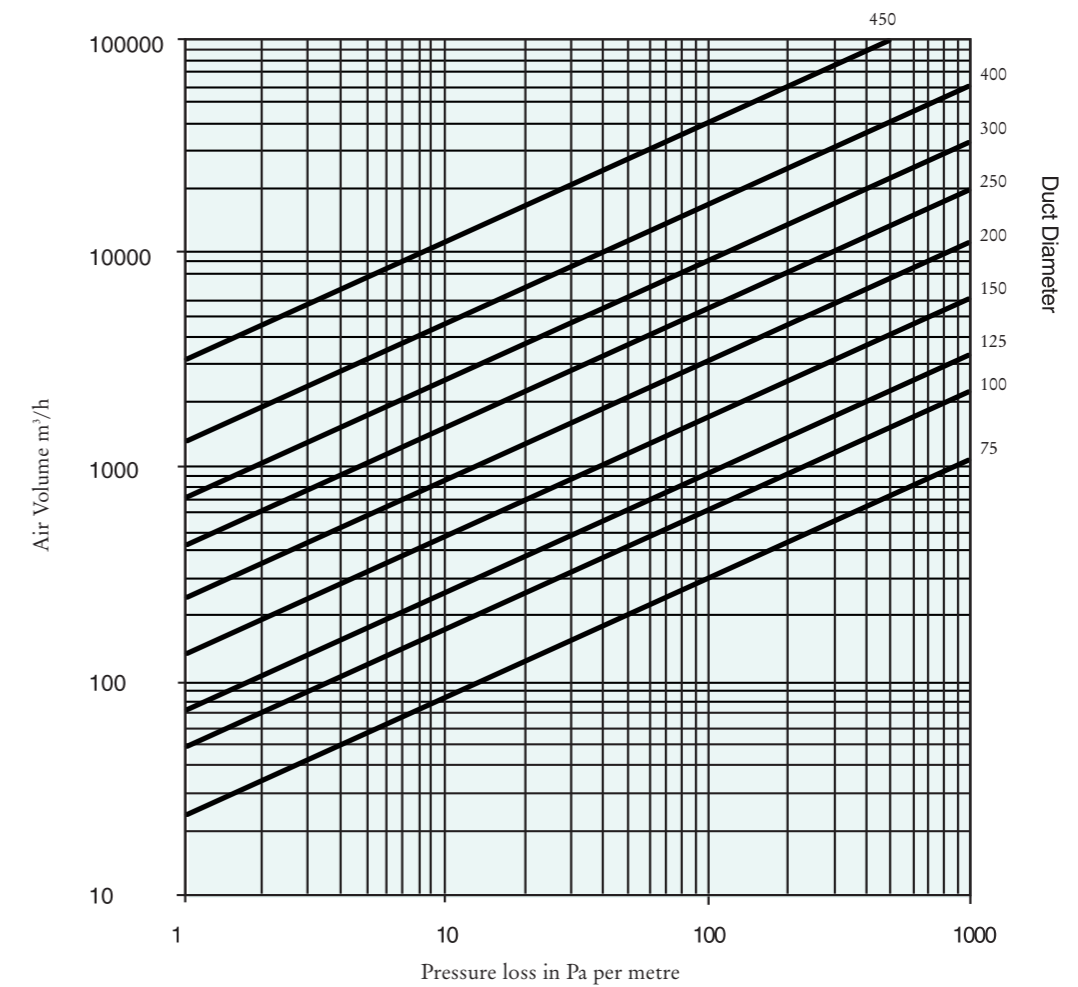
Operating temperature: -20°C to +140°C
 Extended length: 6 metres
 Working pressure: Up to 2450Pa
 Minimum Bend Radius: 0.65 x diameter +0.06m

Insertion Loss/Metre

| Flexible Diameter Inside mm | Attenuation Loss Across Sound Spectrum Hz | | | | | | | |
|-----------------------------|---|-----|-----|-----|----|----|----|----|
| | 63 | 125 | 250 | 500 | 1K | 2K | 4K | 8K |
| 75 – 100 | 4 | 12 | 16 | 30 | 30 | 30 | 30 | 25 |
| 125 – 175 | 3 | 7 | 9 | 20 | 20 | 19 | 18 | 17 |
| 200 – 225 | 2 | 5 | 7 | 15 | 16 | 15 | 14 | 13 |
| 250 – 350 | 2 | 4 | 5 | 10 | 12 | 11 | 10 | 9 |
| 400 – 500 | 1 | 3 | 3 | 7 | 8 | 8 | 7 | 6 |

Acoustic Flexible Ducting

Pressure Loss Graph

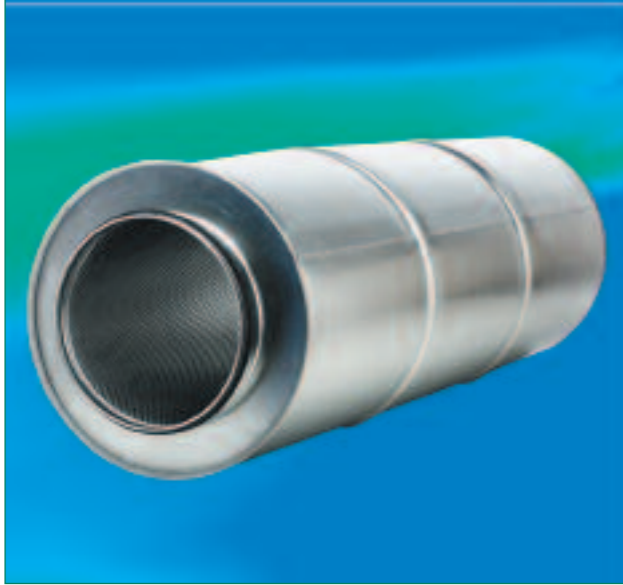


Product Range

| Nominal Bore | | |
|--------------|-----|----------|
| Ins | mm | Code No |
| 3 | 75 | 35903076 |
| 4 | 100 | 35904102 |
| 5 | 125 | 35905127 |
| 6 | 150 | 35906152 |
| – | 160 | 35900160 |
| 7 | 175 | 35907180 |
| 8 | 200 | 35908203 |
| 9 | 225 | 35909229 |
| 10 | 250 | 35910254 |
| 12 | 300 | 35912305 |
| – | 315 | 35900315 |
| 14 | 350 | 35914356 |
| 16 | 400 | 35916406 |
| 18 | 450 | 35918456 |
| 20 | 500 | 35920508 |

Sonex

Circular Sound Attenuators



Low cost – exceptional performance, ex-stock availability

Sheet steel casing and end plates. 30 minute fire rating as standard (60 minute available)

Fitted spigot for direct connection to circular ductwork

Patented 'plug-in' seal fitting

Application Data

The effective and economic solution for sound attenuation in circular duct systems from 100 to 500mm diameter. With at least three models per size throughout the range the system designer is given complete flexibility of choice allowing a selection which is the best balance of attenuation, size and cost for any application.

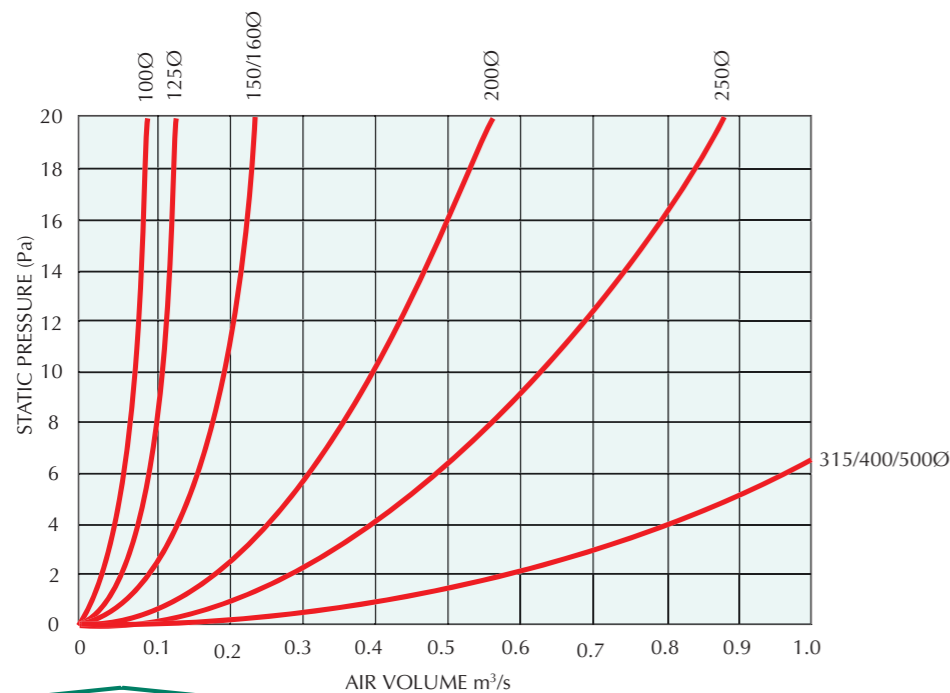
Sonex Attenuators are fitted with a patented duct seal which enables leak free 'plug-in' connection to rigid ductwork with consequent savings of installation costs. The excellent attenuation characteristics of the Sonex range are achieved without imposing undue system resistance. Pressure losses are little more than those which would occur over a comparable section of straight duct.

Developed and refined in one of the most modern and comprehensively equipped facilities in Europe. Production samples are regularly re-tested at these same laboratories and we guarantee that Sonex Attenuators will perform to stated figures as a minimum.

Construction

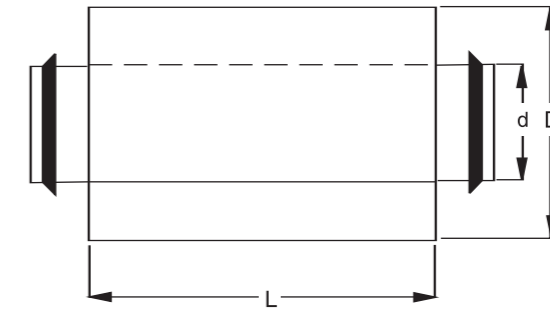
The attenuator consists of a perforated tubular liner manufactured from sheet steel. The liner is enclosed by a thick layer of mineral wool sound absorbing material. Casing and end plates are formed from galvanised sheet steel. Standard models have a 30 minute fire rating (60 minutes also available).

Pressure Loss Graph



Circular Sound Attenuators

Insertion Loss, Dimensions & Weights



| Code No | Attenuation dB mid Frequency Hz | | | | | | | | Dimensions (mm) | | | Weight kg. |
|----------|---------------------------------|-----|-----|-----|----|----|----|----|-----------------|-----|------|------------|
| | 63 | 125 | 250 | 500 | 1K | 2K | 4K | 8k | d | D | L | |
| 83010030 | 3 | 3 | 9 | 17 | 23 | 26 | 25 | 13 | 100 | 200 | 300 | 2.5 |
| 83010060 | 6 | 9 | 15 | 34 | 40 | 40 | 37 | 18 | 100 | 200 | 600 | 4 |
| 83010090 | 10 | 13 | 21 | 40 | 45 | 39 | 36 | 16 | 100 | 200 | 900 | 7 |
| 83012030 | 3 | 3 | 7 | 16 | 20 | 24 | 22 | 17 | 125 | 225 | 300 | 3.5 |
| 83012060 | 5 | 8 | 13 | 29 | 35 | 35 | 32 | 22 | 125 | 225 | 600 | 4.5 |
| 83012090 | 10 | 12 | 19 | 37 | 40 | 38 | 34 | 32 | 125 | 225 | 900 | 8 |
| 83015030 | 3 | 3 | 6 | 13 | 19 | 23 | 22 | 16 | 150* | 260 | 300 | 4 |
| 83015060 | 5 | 7 | 12 | 24 | 30 | 35 | 31 | 20 | 150* | 260 | 600 | 6 |
| 83015090 | 8 | 10 | 15 | 32 | 38 | 37 | 34 | 29 | 150* | 260 | 900 | 9 |
| 83020060 | 4 | 6 | 10 | 20 | 27 | 33 | 19 | 17 | 200 | 300 | 600 | 7.5 |
| 83020090 | 8 | 9 | 14 | 28 | 32 | 35 | 28 | 25 | 200 | 300 | 900 | 11 |
| 83020120 | 10 | 12 | 17 | 36 | 41 | 43 | 28 | 26 | 200 | 300 | 1200 | 14 |
| 83025060 | 4 | 5 | 10 | 19 | 25 | 29 | 18 | 17 | 250 | 355 | 600 | 10 |
| 83025090 | 6 | 7 | 12 | 23 | 30 | 30 | 22 | 19 | 250 | 355 | 900 | 14.5 |
| 83025120 | 8 | 10 | 15 | 32 | 37 | 38 | 26 | 20 | 250 | 355 | 1200 | 18 |
| 83031060 | 4 | 5 | 8 | 15 | 20 | 22 | 17 | 15 | 315 | 400 | 600 | 13 |
| 83031090 | 5 | 7 | 10 | 20 | 30 | 29 | 18 | 16 | 315 | 400 | 900 | 17.5 |
| 83031120 | 7 | 9 | 13 | 22 | 32 | 33 | 19 | 18 | 315 | 400 | 1200 | 21 |
| 83040090 | 3 | 5 | 9 | 19 | 26 | 20 | 13 | 11 | 400 | 606 | 900 | 38 |
| 83040120 | 6 | 8 | 14 | 24 | 30 | 28 | 17 | 9 | 400 | 606 | 1200 | 50 |
| 83050090 | 3 | 4 | 9 | 15 | 23 | 17 | 12 | 11 | 500 | 711 | 900 | 43 |
| 83050120 | 5 | 7 | 13 | 18 | 26 | 23 | 15 | 9 | 500 | 711 | 1200 | 60 |

* Also available with a 160 dia spigot

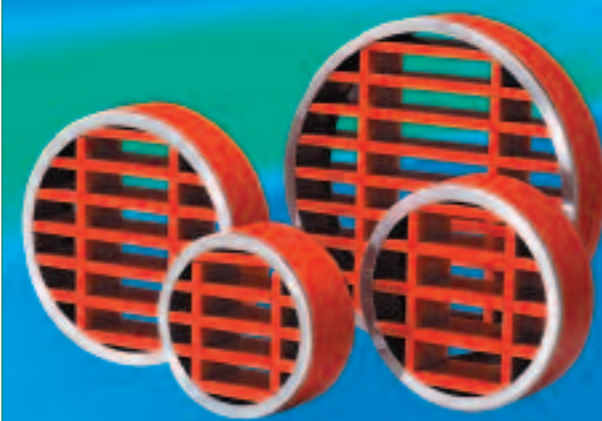
Sonex Attenuators can be economically applied in even the smallest system. The table gives selection data on attenuators suitable for use with the smaller fan system or for attenuation on branch ductwork. Full technical details on the complete range are available on request.

| Nominal Duct Dia.* | For Normal Attenuation | For Medium Attenuation | For High Attenuation |
|--------------------|------------------------|------------------------|----------------------|
| | | | |
| 4" | 010-030 | 010-060 | 010-090 |
| 5" | 012-030 | 012-060 | 012-090 |
| 6" | 015-030 | 015-060 | 015-090 |
| 8" | 020-060 | 020-090 | 020-120 |
| 10" | 025-060 | 025-090 | 025-120 |
| 12.3" | 031-060 | 031-090 | 031-120 |
| 16" | - | 040-090 | 031-120 |
| 20" | - | 050-090 | 050-120 |

* See Detailed Dimension table above

Pyrocheck

Intumescent Fire Dampers



Suitable for air transfer in doors and partitions

Complete seal achieved in approximately five minutes when tested in accordance with BS 476 pt. 20 & 22

Available in rectangular or circular form

UV Stabilised material. UPVC

Pyrocheck offer much lower resistance to airflow compared to traditional designs

Independently tested to BS 476 pt. 22; fire integrity of 66 (rectangular)/ 68 mins (circular). 2 hour rating also available

Pyrocheck CVT Intumescent Fire Dampers are available in rectangular or circular form and have a minimum fire integrity of one hour (in accordance with BS476 Part 8 1972). The fire dampers have been independently tested at the Warrington Fire Research Centre.

Intumescent fire dampers require no mechanical or external device to operate as they rely solely on an internal reaction initiated by heat. They are, therefore, especially suitable for applications where regular inspection is unlikely or difficult or where mechanical devices would be susceptible to shock or corrosion damage.

Typical applications are air transfer in fire doors or partitions. The active material is encased in a uPVC sleeve giving maximum protection against moulds, fungi, insect attack or

similar biological damage, and may reasonably be expected to last for the life of the building. Unaffected by UV light, capable of withstanding freeze/thaw cycling and able to support ambient temperatures within the range -10°C to +80°C.

In a fire situation Pyrocheck CVT Dampers will rapidly expand to completely block the duct or opening thus preventing the further passage of smoke and hot gasses.

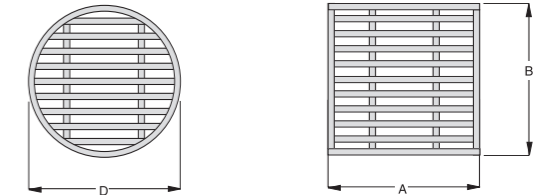
An unusually high free area means that Pyrocheck CVT Dampers offer much lower resistance to air flow compared to traditional intumescent designs.

Intumescent Fire Dampers

Dimensions (mm)

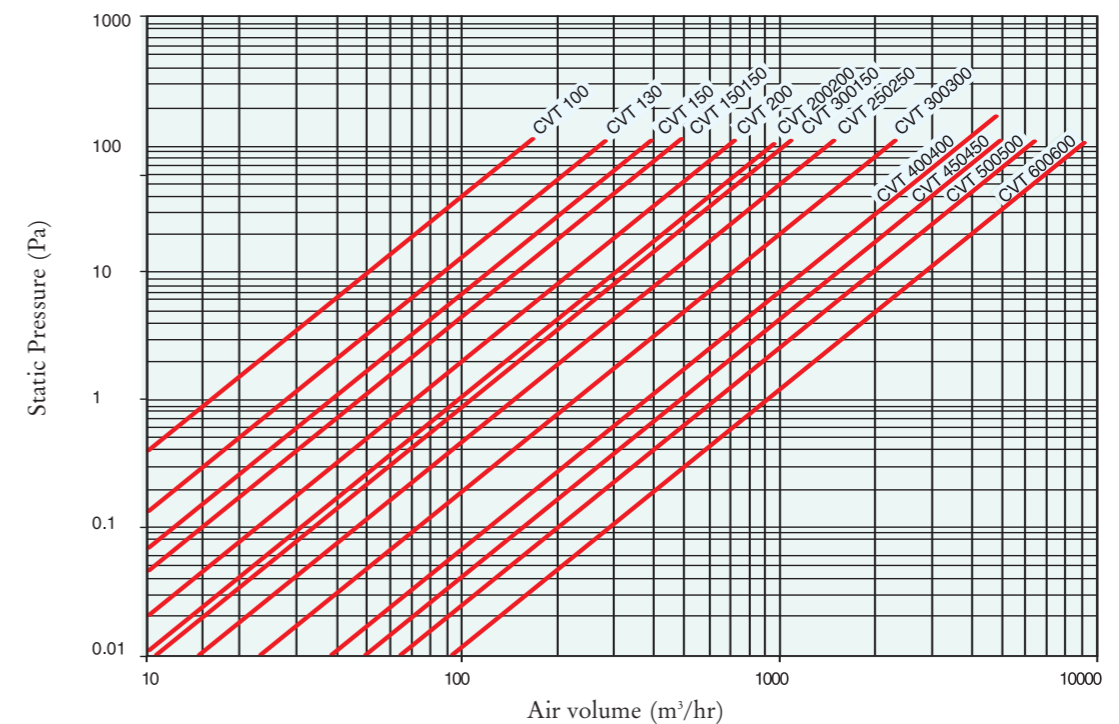
| Code No | D | A | B | MATCHING TRANSFER GRILLE |
|------------|-----|-----|-----|--------------------------|
| CVT 100 | 100 | - | - | - |
| CVT 130 | 125 | - | - | - |
| CVT 150 | 150 | - | - | - |
| CVT 200 | 198 | - | - | - |
| CVT 250 | 248 | - | - | - |
| CVT 300 | 298 | - | - | - |
| CVT 100100 | - | 100 | 100 | 33G0404 |
| CVT 150150 | - | 150 | 150 | 33G0606 |
| CVT 200200 | - | 200 | 200 | 33G0808 |
| CVT 250250 | - | 250 | 250 | 33G1010 |
| CVT 300300 | - | 300 | 300 | 33G1212 |
| CVT 350350 | - | 350 | 350 | 33G1414 |
| CVT 400400 | - | 400 | 400 | 33G1616 |
| CVT 450450 | - | 450 | 450 | 33G1818 |
| CVT 500500 | - | 500 | 500 | 33G2020 |
| CVT 600600 | - | 600 | 600 | 33G2424 |

Pyrocheck Circular Pyrocheck Rectangular



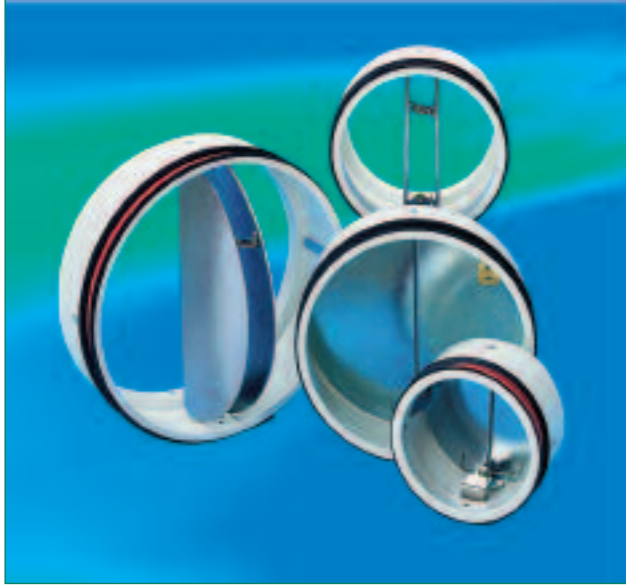
Matching pressed steel transfer grilles finished in epoxy white are available to suit rectangular models.

Pressure Loss Graph



Pyrocheck

Fusible Link Fire Dampers



Suitable for installation in ducts, walls and ceilings

Four hour tested to BS476 Part 20

High shut-off twin blade design

Low cost solution for small diameter ducts

Complete with gasket for in-duct mounting

Low pressure drop and noise generation

Blade locking springs

Pyrocheck Series PA fire dampers can be mounted horizontally, vertically without effect on their operation.

The design of Pyrocheck Series PA presents minimal obstruction to the air flow during normal operation (prior to initiation), consequently the pressure drop across the damper is extremely low.

The precision low mass fusible link is set to operate at 72°C. Operation of the fusible link releases the blades and completely blocks the duct. A feature of the PA damper is its duct sealing ring and intumescent seal. This compensates for any minor irregularities in the duct which may otherwise create gaps between the duct wall and the damper.

Fire Rating

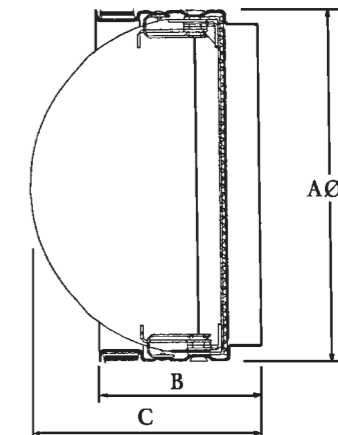
The pyrocheck range of dampers have been tested at Warrington Fire Research Centre. The dampers were assessed against the criterion for integrity as defined in BS476 Part 20 for 4 hours.

The dampers maintained their integrity successfully throughout the test, which was discontinued after 4 hours.

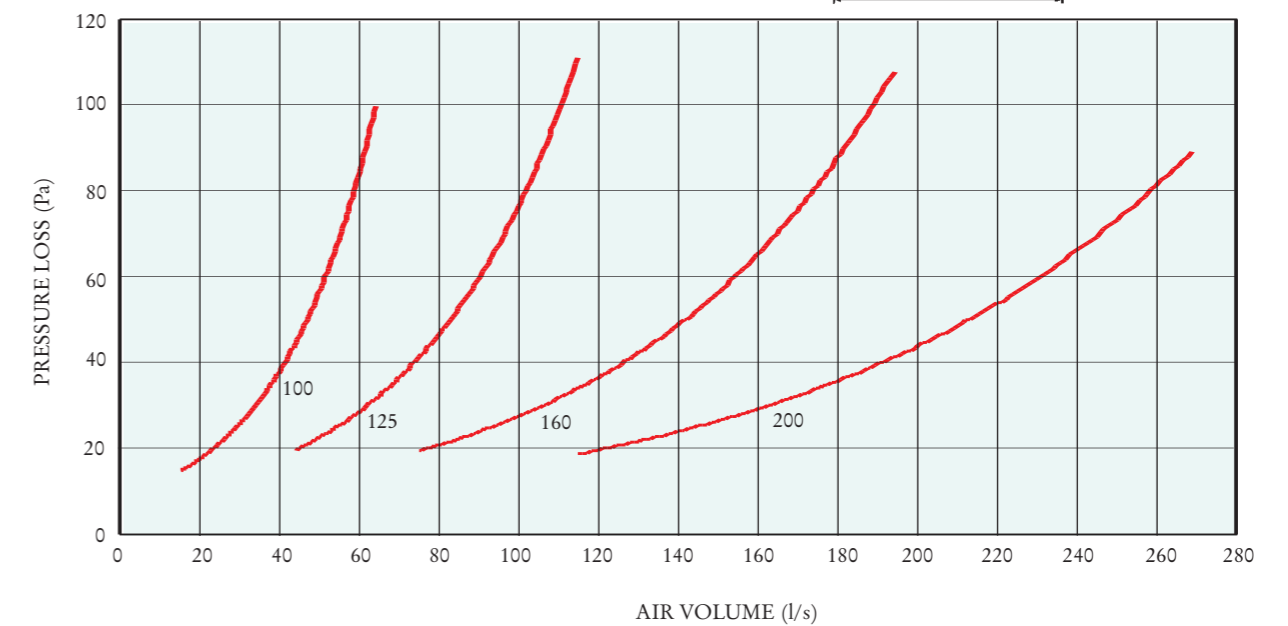
Fusible Fire Link Dampers

Dimensions (mm)

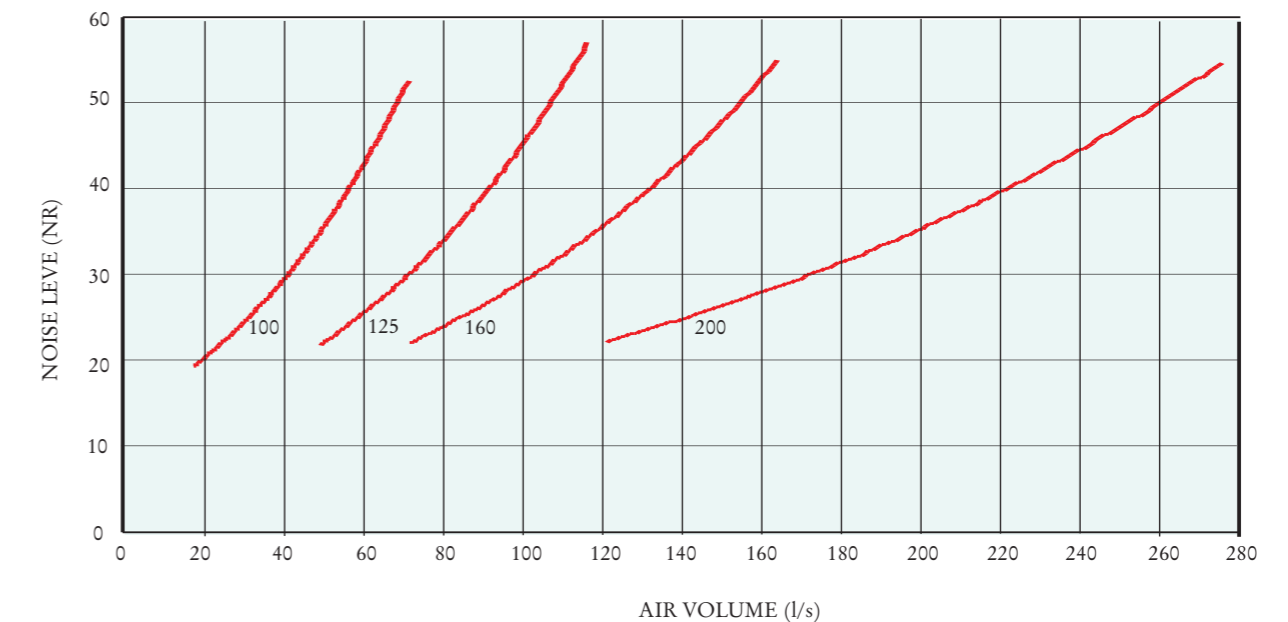
| Model No. | AØ | B | C |
|-----------|-----|------|------|
| PA 100B | 99 | 72.5 | 72.5 |
| PA 125B | 124 | 72.5 | 85 |
| PA 160B | 159 | 72.5 | 103 |
| PA 200B | 199 | 72.5 | 121 |



Pressure Loss Graph



Noise Generation Data



Ventilex

Plastic Extract and Supply Valves



Extract and Supply Air version all with adjustable core for precise setting of required airflow

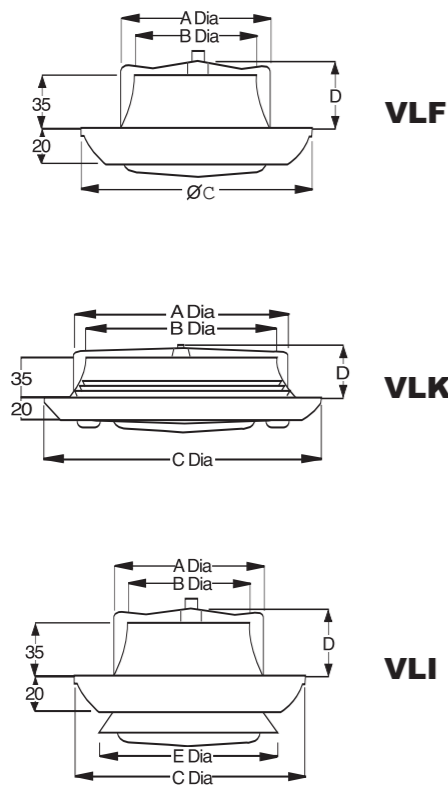
Wide range from 4" to 8" allowing proper selection for your application

Supplied with 'Plug-in' fixing frame giving easy access for cleaning or adjustment.

Elegant design combined with excellent performance characteristics makes the Ventilex range eminently suitable for any extract or supply air application. Ventilex valves have been especially designed to cope with high humidity environments commonly encountered in bathrooms, kitchens, toilets etc. A particular feature of the design is an air flow, which avoids 'fouling' of adjacent decorated surfaces.

Made from white polyamide and polypropylene the valves are suitable for temperatures up to 100°C. The adjustment screw is brass with stainless steel retaining springs.

Dimensions (mm)



Extract Dimensions (mm)

| Code No | A* | B | C | D |
|---------|-----|-----|-----|----|
| VLF 100 | 95 | 80 | 145 | 40 |
| VLF 125 | 120 | 93 | 158 | 40 |
| VLF 150 | 145 | 124 | 195 | 40 |
| VLF 160 | 158 | 124 | 195 | 40 |
| VLK 200 | 195 | 170 | 245 | 40 |

*spigot diameter

Supply Dimensions (mm)

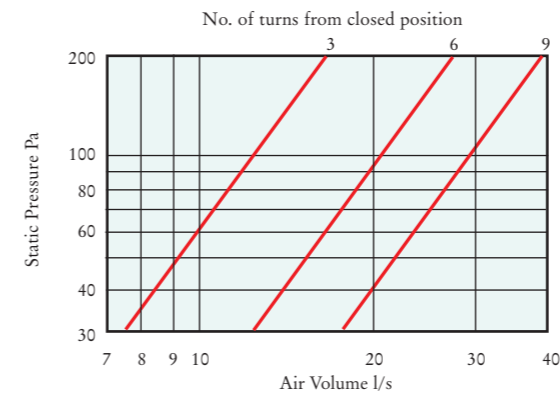
| Code No | A* | B | C | D | E |
|---------|-----|-----|-----|----|-----|
| VLI 100 | 95 | 80 | 145 | 40 | 125 |
| VLI 125 | 120 | 93 | 158 | 40 | 140 |
| VLI 150 | 145 | 124 | 195 | 40 | 177 |
| VLI 200 | 195 | 170 | 245 | 40 | - |

*spigot diameter

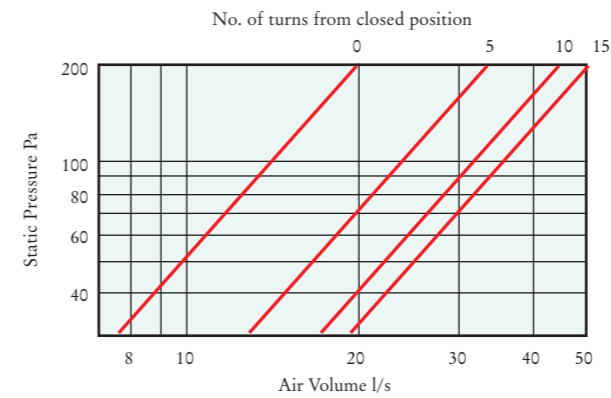
Plastic Extract and Supply Valves

Supply Valves

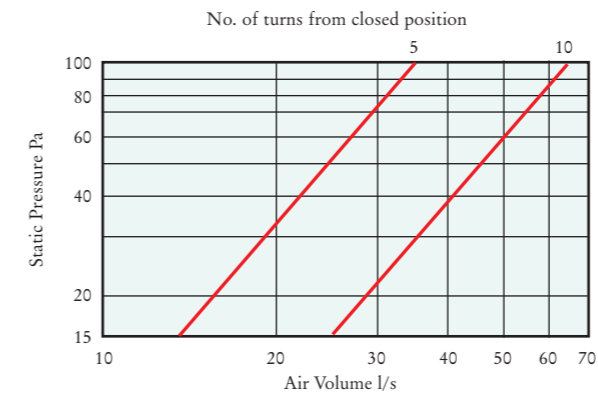
VLI 100



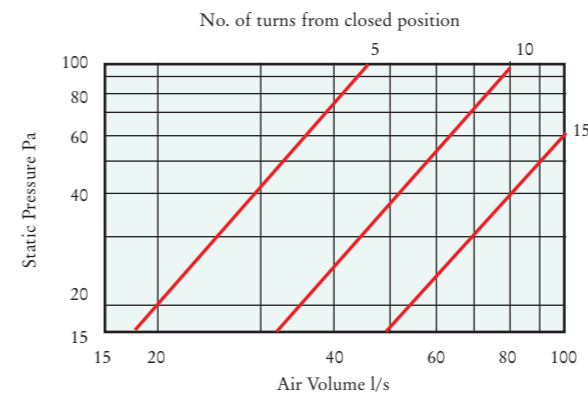
VLI 125



VLI 150

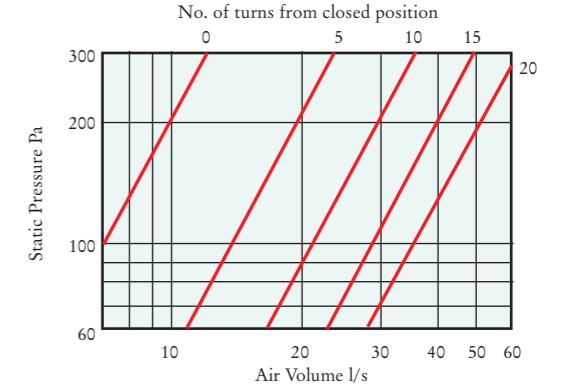


VLI 200

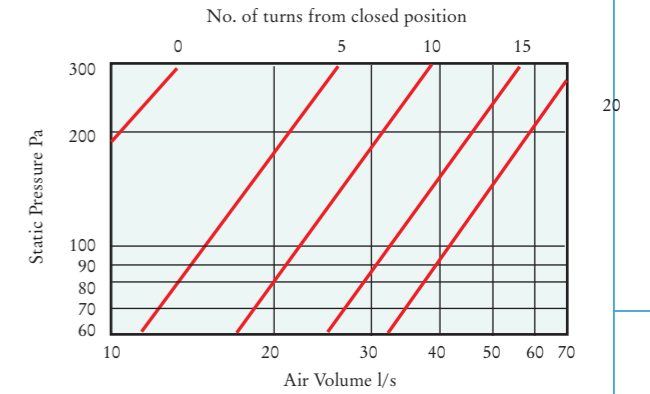


Extract Valves

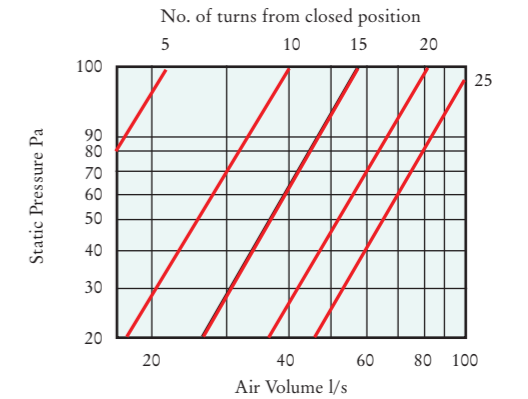
VLF 100



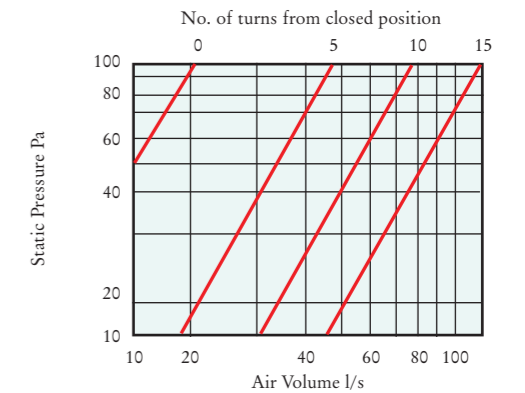
VLF 125



VLF 150/160



VLK 200



Ventilex

Fire Protection Ventilation Valves



- Supply and extract valve
- Integrated 2 hour fire damper
- 74° thermal fuse
- Tested to BS476 Part 20
- White epoxy finished steel
- Adjustable centre core

Ventilex Model VHD extract/supply valves offer all the advantages long associated with the Ventilex range, with one very special addition.

Model VHD is also an integrated, 2 hour rated fire damper. The unit operates as a supply/exhaust valve in normal circumstances but is equipped with a thermal fuse and rapid closure spring. Its careful design allows full adjustment over a wide range of pressure/flow settings. When the temperature rises above 74°C the thermal fuse releases the closure mechanism. In this closed position the valve has been tested in accordance with BS476 Part 20 and is independently verified as having a 2 hour rating.

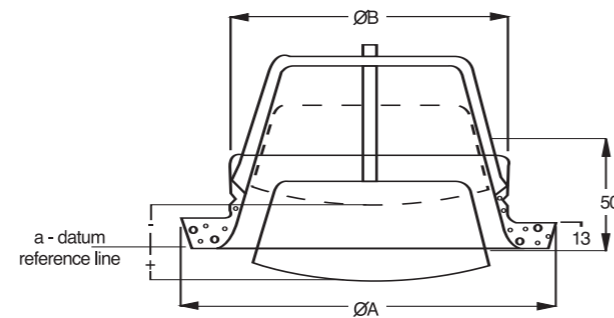
The whole assembly has an epoxy white finish and is constructed from steel. The valve installs into a fixing frame allowing simple connection to ductwork and easy access for adjustment or cleaning.

The central core is adjustable and offers a wide range of setting to meet specific system designs. Datum position is achieved when core face is level with face of valve (see diagram below).

Applications

Bathrooms, kitchens, toilets and lobby areas requiring an efficient adjustable diffuser with integral fire protection.

Dimensions (mm)

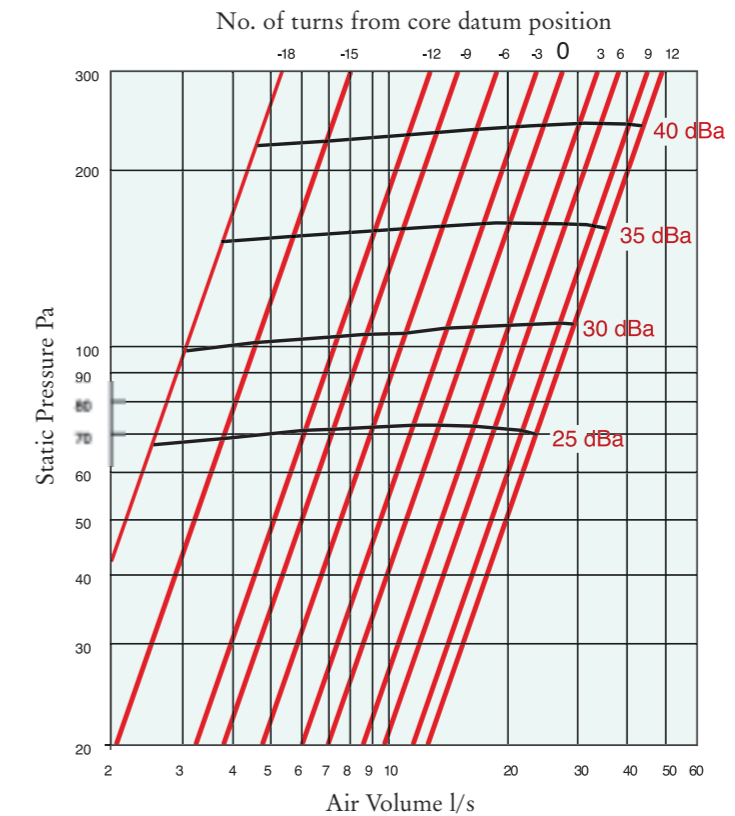


| Code No | ØA | ØB |
|----------|-----|------|
| VHD 100 | 140 | 99 |
| VHD 150* | 200 | 150* |

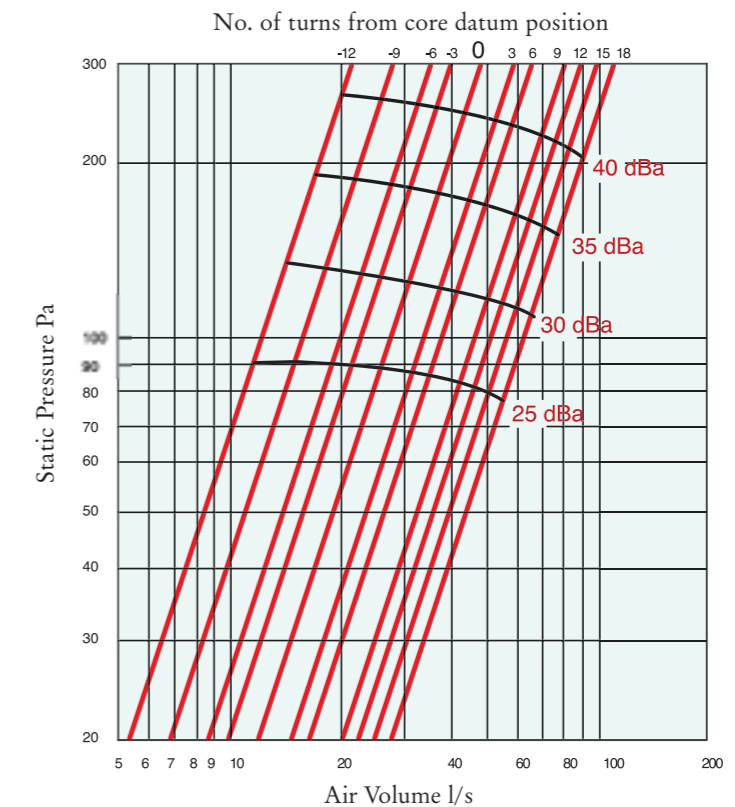
*125mm and 200mm to special request

Fire Protection Ventilation Valves

VHD100



VHD150



Ventilex

Steel Ventilation Valves



- Supply and extract valve
- White epoxy finished steel
- Adjustable centre core
- Bayonet fixing - easy removal for cleaning

Ventilex Model VHE extract/supply valves are a new addition to the well established Ventilex range and continue the concept of elegant design combined with excellent performance characteristics.

The valves are constructed from white epoxy finished steel and are supplied complete with a bayonet action fixing frame.

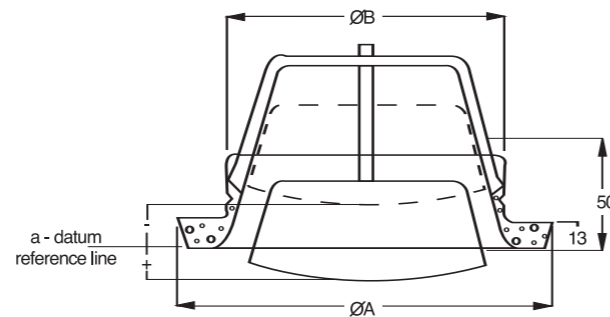
This allows positive locking and sealing of the valve yet still enables, easy removal for adjustment or cleaning. The valve profile is designed to eliminate fouling of adjacent decorated surfaces - a feature common to all Ventilex valves.

The central core is adjustable and offers a wide range of settings to meet specific system designs. Datum position is achieved when core face is level with face of valve (see dimensional diagram).

Applications

Bathrooms, kitchens, toilets, lobby areas or any room requiring a single diffuser for up to 100m³/hr (multiple arrays can of course be utilised).

Dimensions (mm)



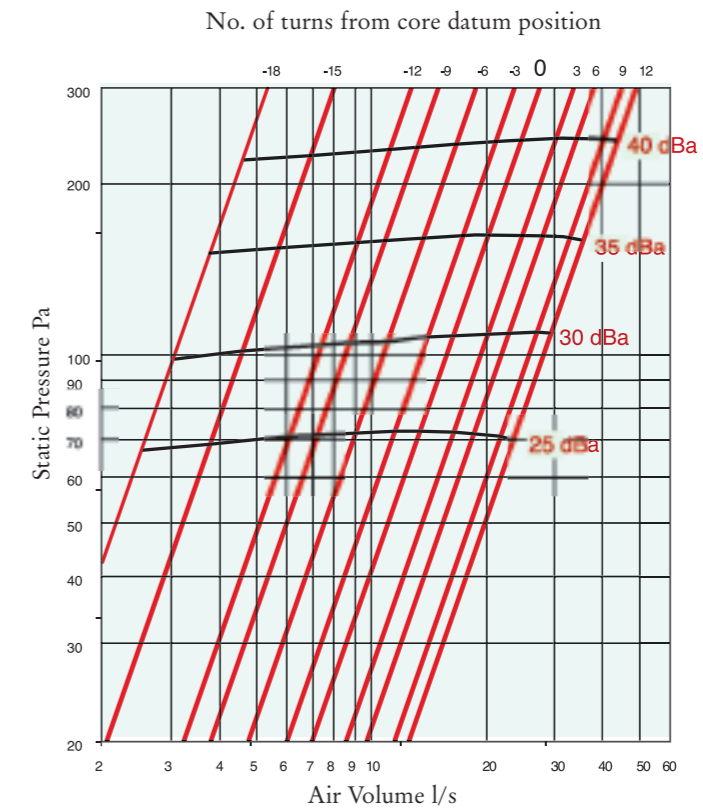
| Code No | ØA | ØB |
|----------|-----|------|
| VHE 100 | 140 | 99 |
| VHE 150* | 200 | 150* |

*125mm and 200mm to special request

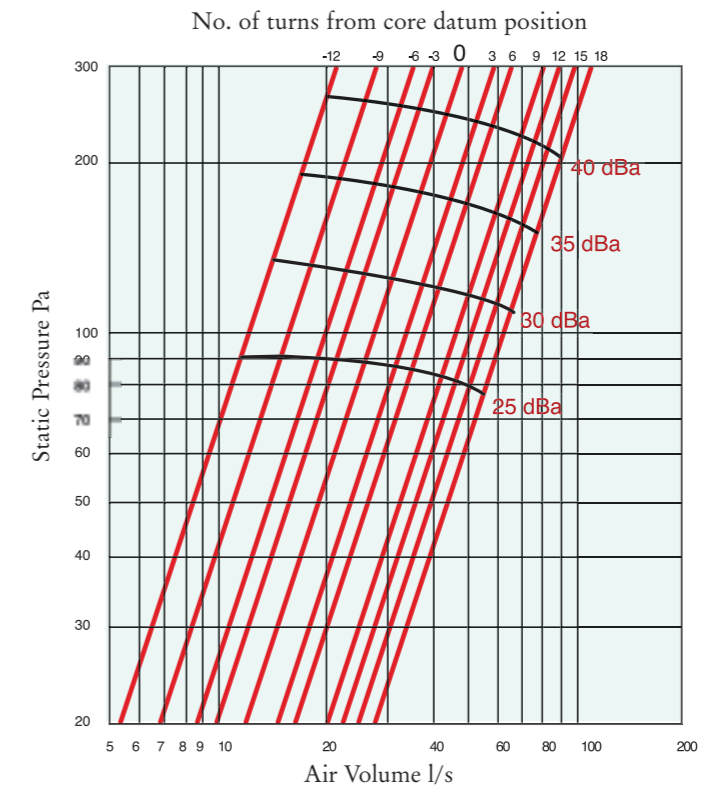
The Ventilex Steel Valves can be supplied in special colours to match the building design.

Steel Ventilation Valves

VHE100



VHE 150



Ventilex

Ceiling Terminals



Streamlined moulded design means less turbulence and less noise.

Simple to install - needs only a 225mm diameter hole.

Stepped collar design accommodates 150, 175 & 200mm (6", 7" or 8") circular ducts.

Available with 4-way, 3-way or 2-way diffuser.

Adjustable damper included.

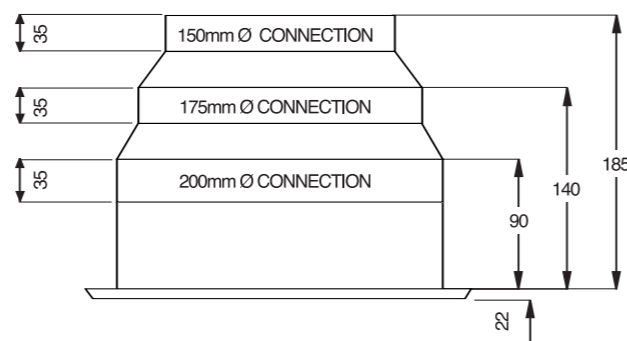
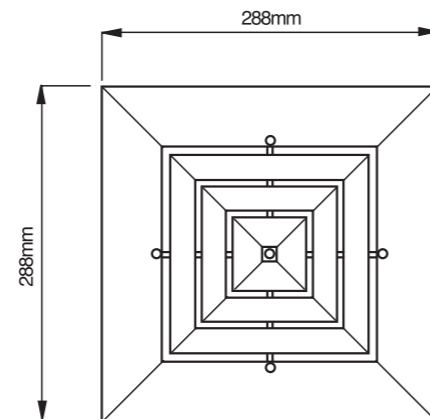
Ventilex ceiling terminals are manufactured from top grade high impact polymers to resist breakage, scratching and fading. Their moulded design is more streamlined than most comparable diffusers producing less turbulence and hence less noise. They are suitable for air temperatures of up to 122°C.

Installation requires only a 225 diameter hole in the ceiling into which the ventilex ceiling terminal is inserted. Ingenious clips rotate into position and clamp the unit into place as the four screws are tightened.

A stepped collar arrangement can accommodate 150, 175 or 200 diameter ducting. Special tear away bands enable the unwanted section to be removed without the need for cutting. The collar design allows easy installation of flexible ducting and has a special lip to give an effective seal when using rigid ductwork.

To assist the regulation of airflow each Ventilex ceiling terminal includes a manually adjustable damper. The Ventilex ceiling terminals can be supplied in special colours to match building design.

Dimensions (mm)



| Code No | Diffuser Type |
|---------------|----------------|
| VCT 4 | 4 Way Diffuser |
| VCT 4 + VCG 3 | 3 Way Diffuser |
| VCT 4 + VCG 2 | 2 Way Diffuser |

Ceiling Terminals

4-Way Diffuser

| Air Volume l/s | Pressure Loss Pa | Throw metre | Face Velocity m/s |
|-------------------|---------------------|----------------|----------------------|
| 26 | 1.8 | 1.18 | 0.93 |
| 35 | 2.8 | 1.62 | 1.25 |
| 42 | 4.3 | 1.95 | 1.49 |
| 52 | 6.1 | 2.38 | 1.82 |
| 59 | 7.6 | 2.71 | 2.08 |
| 71 | 10.9 | 3.23 | 2.57 |
| 82 | 14.5 | 3.78 | 2.85 |
| 94 | 18.5 | 4.33 | 3.25 |
| 118 | 29.0 | 5.39 | 4.23 |
| 141 | 41.5 | 6.49 | 5.08 |
| 165 | 56.5 | 7.56 | 5.92 |

3-Way Diffuser

| Air Volume l/s | Pressure Loss Pa | Throw metre | Face Velocity m/s |
|-------------------|---------------------|----------------|----------------------|
| 26 | 2.0 | 1.52 | 0.96 |
| 35 | 3.6 | 2.07 | 1.30 |
| 42 | 5.1 | 2.47 | 1.57 |
| 52 | 7.6 | 3.02 | 1.88 |
| 59 | 9.6 | 3.44 | 2.26 |
| 71 | 13.7 | 4.11 | 2.63 |
| 82 | 18.5 | 4.82 | 3.06 |
| 94 | 24.0 | 5.49 | 3.50 |
| 118 | 37.5 | 6.86 | 4.38 |
| 141 | 54.0 | 8.23 | 5.25 |
| 165 | 73.5 | 9.60 | 6.13 |

2-Way Diffuser

| Air Volume l/s | Pressure Loss Pa | Throw metre | Face Velocity m/s |
|-------------------|---------------------|----------------|----------------------|
| 26 | 1.5 | 1.49 | 0.83 |
| 35 | 2.3 | 2.04 | 1.16 |
| 42 | 3.6 | 2.44 | 1.34 |
| 52 | 5.3 | 2.99 | 1.68 |
| 59 | 6.9 | 3.38 | 1.91 |
| 71 | 9.9 | 4.08 | 2.29 |
| 82 | 13.5 | 4.75 | 2.71 |
| 94 | 17.5 | 5.43 | 3.07 |
| 118 | 27.5 | 6.80 | 3.85 |
| 141 | 39.6 | 8.14 | 4.62 |
| 165 | 53.8 | 9.51 | 5.38 |

*1 - All throw measurements are measured from centre of grille to a terminal velocity of 0.254 m/s.

*2 - Throw measurements are equal in all three directions +/-5%.

*3 - Noise level of any diffuser is directly related to face velocity. As a general rule, face velocity should be under 4 m/s for residential applications.

NOTE: Supply diameter has no appreciable effect on characteristics or airflow specifications, but should be consistent with the desired airflow of the particular outlet and application.

Unitex Roof Cowl System



Complete weather proofing with low pressure drop.

Supplied complete with bird guard

Galvanised steel construction additionally protected by a dark brown epoxy powder coat finish

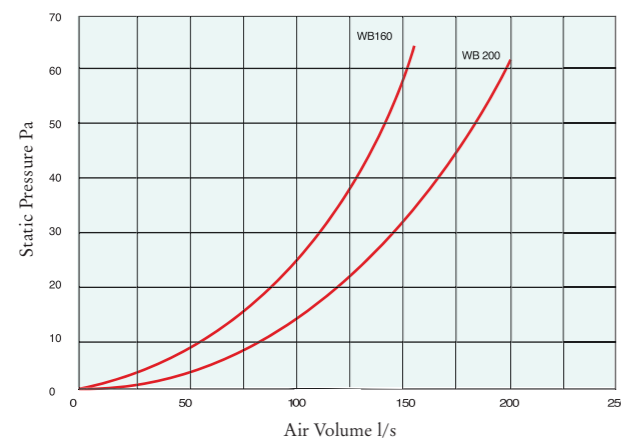
Weather apron in code 3 lead

Suitable for flat or pitched roofs up to 20° as standard

Can be supplied in special colours to match building design

The Unitex Roof Cowl System greatly simplifies the roof termination of mechanical ventilation systems. Consisting of an attractive epoxy finished cowl with a lead weather slate and a range of direct connection reducing fittings. It is suitable for connection to spiral duct, soil pipe and flexible duct from 125 to 250mm diameter.

Pressure Loss Graph



Product Range Component Selection

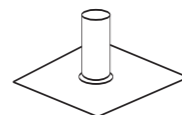
| Ducting Method | Cowl Code No | Weather Apron Code No | Adaptor Code No |
|-----------------|--------------|-----------------------|-----------------|
| 125mm Spiral | WB 160 | WA 160 | OR16012 |
| 150mm Spiral | WB 160 | WA 160 | Not Required |
| 150mm Soil Pipe | WB 160 | WA 160 | Not Required |
| 200mm Spiral | WB 200 | WA 200 | Not Required |
| 200mm Soil Pipe | WB 200 | WA 200 | Not Required |
| 250mm Spiral | WB 200 | WA 200 | Not Required |
| 250mm Soil Pipe | WB 200 | N/A | OR25020 |

Product Range



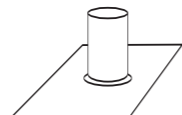
COWL ASSEMBLY

WB160 For ducts from 125 to 175mm
WB200 For ducts from 175 to 200mm



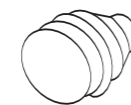
WEATHER APRON FOR FLAT ROOFS

WA160
WA200



WEATHER APRON FOR PITCHED ROOFS (20° MAX)

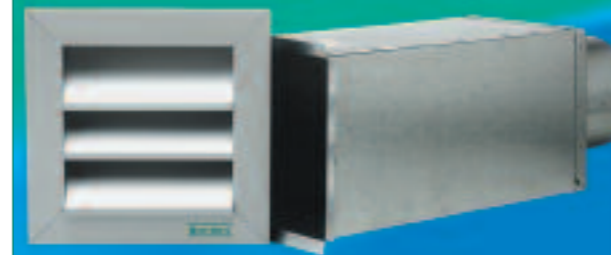
WA160/20
WA200/20



ADAPTOR

OR16012 (125 to 160mm)
OR25020 (200 to 250mm)

Wall Terminals



External weather louvre, wall sleeve and duct connection spigot in one unit

Satin anodised louvre gives full weather protection

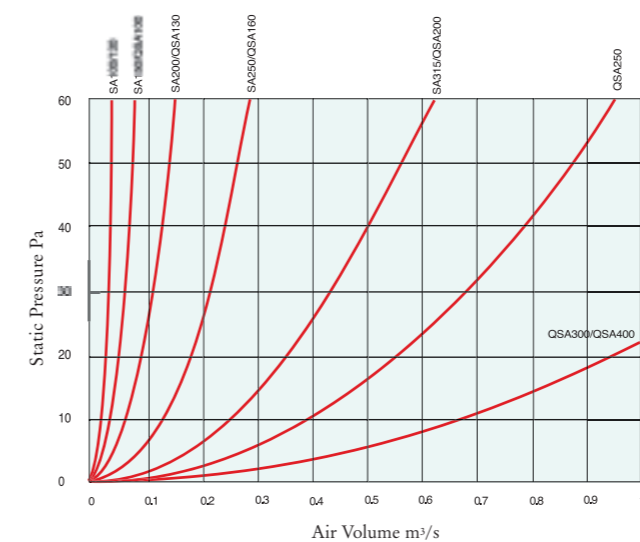
Epoxy powder coated finish, weather louvre available as optional extra

280mm or 80mm wall sleeve section

Spigot connections from 100mm to 400mm

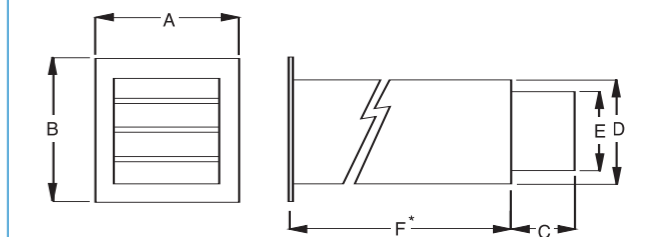
The Unitex SA Wall Terminal Module consists of a high grade satin anodised weather louvre fitted with bird guard (epoxy finish optional extra). This is located in a galvanised sheet metal 'box section' linked to a reinforced circular stub for direct connection to rigid or flexible ductwork. Two lengths of 'box section' are available; 80mm and 280mm. An airstream operated back draught shutter can be fitted in the 280mm version. For applications where larger air volumes are involved the Unitex QSA range of wall terminals is available.

Product Range Component Selection



Wall Terminal QSA

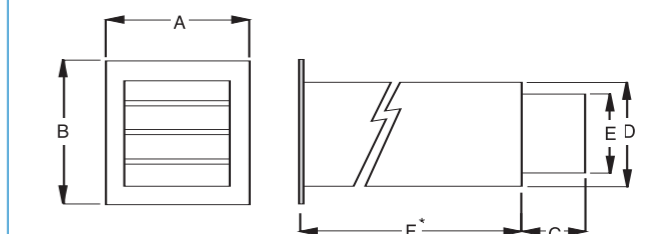
| Code N° | EØ | A | B | C | D |
|---------|-----|-----|-----|----|-----|
| QSA100 | 98 | 230 | 230 | 80 | 180 |
| QSA125 | 124 | 280 | 280 | 80 | 230 |
| QSA150 | 149 | 330 | 330 | 80 | 280 |
| QSA200 | 199 | 400 | 400 | 80 | 350 |
| QSA250 | 249 | 500 | 500 | 80 | 450 |
| QSA315 | 313 | 550 | 550 | 80 | 500 |
| QSA400 | 400 | 550 | 550 | 80 | 500 |



* Dimension F select from 280mm or 80mm

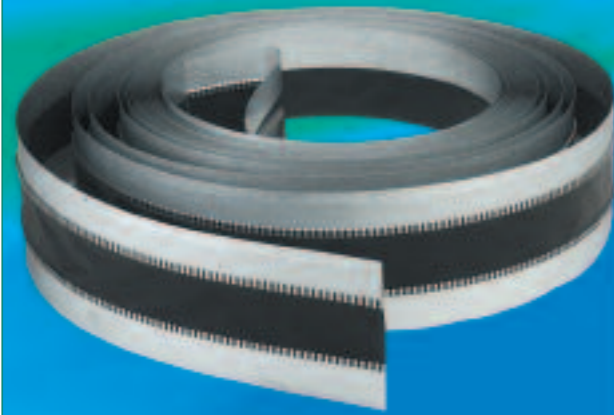
Wall Terminal SA

| Code N° | EØ | A | B | C | D |
|---------|-----|-----|-----|----|-----|
| SA100 | 99 | 180 | 180 | 80 | 130 |
| SA125 | 124 | 210 | 210 | 80 | 160 |
| SA150 | 149 | 230 | 230 | 80 | 180 |
| SA200 | 199 | 280 | 280 | 80 | 230 |
| SA250 | 249 | 330 | 330 | 80 | 280 |
| SA315 | 313 | 400 | 400 | 80 | 350 |



* Dimension F select from 280mm or 80mm

Unitex Flexible Connector



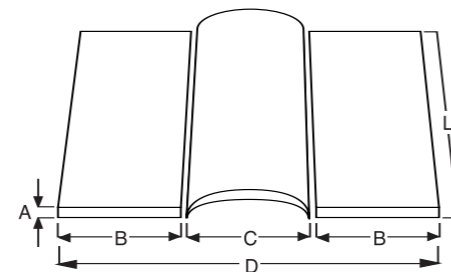
The simplest and most effective way to fabricate flexible duct connectors

Suitable for rectangular, round for flat oval ductwork

Convenient 25 metre dispenser for easy handling and minimum waste

Fabric/metal combinations to meet every installation requirement including Class 1 surface spread of flame rating

The use of flexible duct sections to prevent the transmission of vibration and associated noise along ductwork is a well established practice. Unitex flexible connector is a pre-assembled metal/fabric/metal construction packaged in a dispenser containing 25 metres of connector. Different combinations of metal/fabric are available from stock to meet every type of installation requirement. Unitex flexible connector is equally suited to round, rectangular or flat oval ductwork and is easily formed with the minimum of waste. Fabrics have been selected to provide the optimum solution for performance, fire resistance and economy.



Dimensions (mm)

| Type | A | B | C | D | L(m) |
|------|-----|----|----|-----|------|
| B | 0.4 | 45 | 60 | 150 | 25 |
| G | 0.4 | 45 | 75 | 165 | 25 |

Stock Code No.

| Type | Type Ref. | Material Ref. |
|-------|-----------|---------------|
| 10201 | B | R |
| 10305 | G | N |
| 10314 | G | S |

Reference Chart

| Fabric Backing | Material Ref | | |
|------------------|-------------------------|--------------------|--------------------|
| | R | N | S |
| | Polyester | Glass Fibre | Glass Fibre |
| Coating | Flame | FlameSilicone | |
| | Retard PVC | Retard PVC | |
| Colour | Dark Grey | Dark Grey | Silver |
| Temp. Range | -30°C to +80°C | -30°C to +80°C | -40°C to +280°C |
| | | | 310°C |
| | Intermittent 20hrs@70°C | | Intermittent |
| Fire Performance | Flame | Hardly | Hardly |
| | Retardant | Flammable | Flammable |
| | Hardly Flammable | BS476 Pt.7 Class 1 | BS476 Pt.7 Class 1 |

Unitex Damper Quadrants



4 Standard sizes

Quick and simple to install

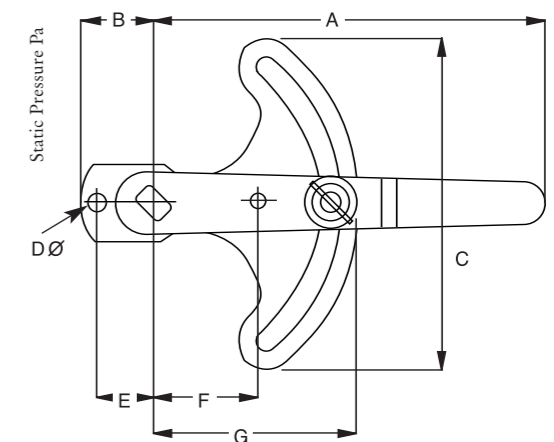
Suitable for circular or rectangular duct work

High quality cast aluminium quadrant sets available in 4 standard sizes, designed to be quick and simple to install. Each size can be used with circular or rectangular ductwork and comes as a pre packed set ready to install. The set comprises of lever arm, base plate, locking wiring nut assembly, quadrant spindle, bearing spindle, bearing assembly and neoprene washers.

Dimensions (mm) Quadrant

| Code No | Dimensions in mm | | | | | | |
|---------|------------------|----|-----|----|----|----|-----|
| | A | B | C | DØ | E | F | G |
| BGD011 | 90 | 20 | 60 | 5 | 13 | 33 | 40 |
| BGD021 | 115 | 20 | 90 | 5 | 15 | 50 | 60 |
| BGD031 | 155 | 28 | 115 | 5 | 23 | 25 | 77 |
| BGD041 | 260 | 40 | 160 | 5 | 28 | 60 | 105 |

Product Range Component Selection



Note: Quadrant and Bearing Spindles have 3 Fixing Holes on Size BGD041

Unitex

Blast Gate Dampers



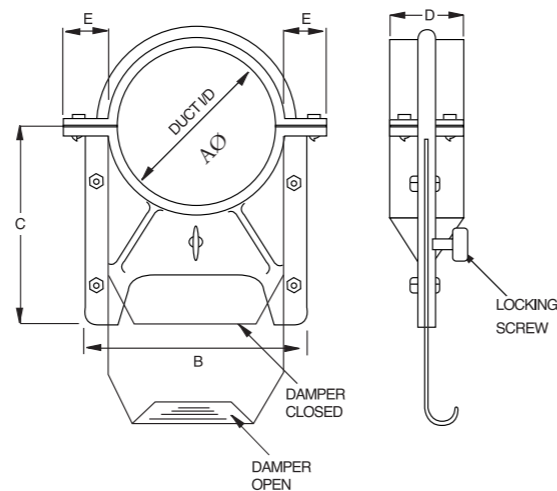
- Genuine metric sizes
- Simple to install
- Easy to operate
- Lockable with thumb screw

Unitex Blast Gate Dampers provide an extensive range of genuine metric sizes eliminating the problems of adapting imperial sized units to metric spiral ducting. Imperial sizes are also available.

Although principally designed for shutting off branches in dust and fume extract systems they can also be used in a wide range of other applications in existing or new systems. Unitex blast gate dampers are simple to install and easy to operate. The manually operated damper can be locked in its open or closed position by using the thumb screw.

The damper bodies are die cast aluminium alloy and the blades are of zinc plated steel. Stainless steel blades are available to special order. The dampers shown are for manual operation but pneumatically operated versions can also be supplied.

Dimensions (mm)



| Code No | AØ | B | C | D | E |
|---------|-----|-----|-----|-----|----|
| BGA063 | 63 | 95 | 90 | 44 | 25 |
| BGA080 | 80 | 110 | 105 | 47 | 25 |
| BGA100 | 100 | 135 | 130 | 50 | 30 |
| BGA125 | 125 | 165 | 155 | 55 | 40 |
| BGA150 | 150 | 190 | 175 | 75 | 40 |
| BGA160 | 160 | 200 | 190 | 75 | 40 |
| BGA180 | 180 | 215 | 200 | 75 | 40 |
| BGA200 | 200 | 240 | 230 | 75 | 40 |
| BGA224 | 224 | 280 | 250 | 88 | 40 |
| BGA250 | 250 | 300 | 290 | 105 | 40 |
| BGA280 | 280 | 325 | 290 | 108 | 40 |
| BGA300 | 300 | 360 | 340 | 125 | 45 |
| BGA315 | 315 | 380 | 350 | 125 | 45 |
| BGA355 | 355 | 410 | 400 | 155 | 50 |

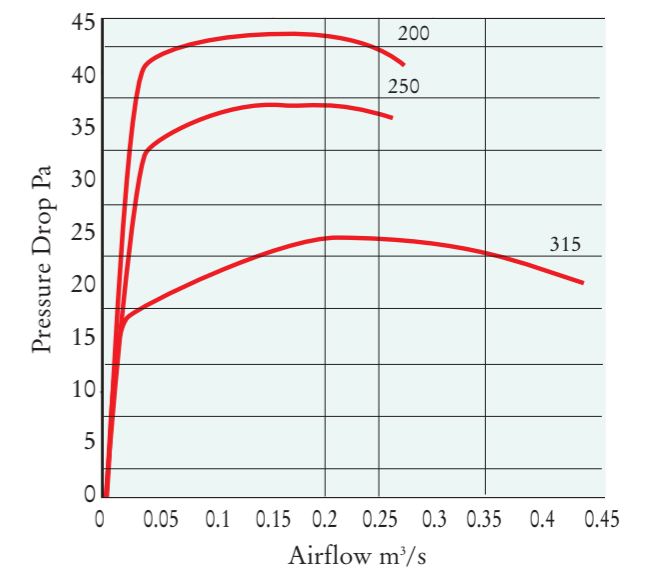
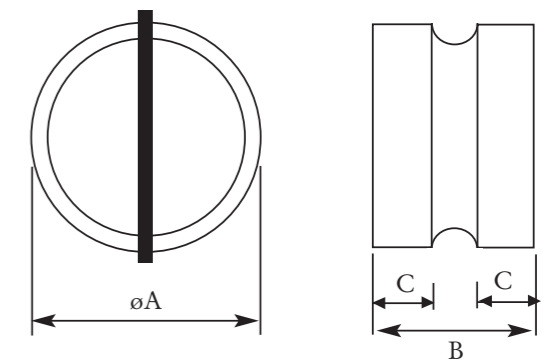
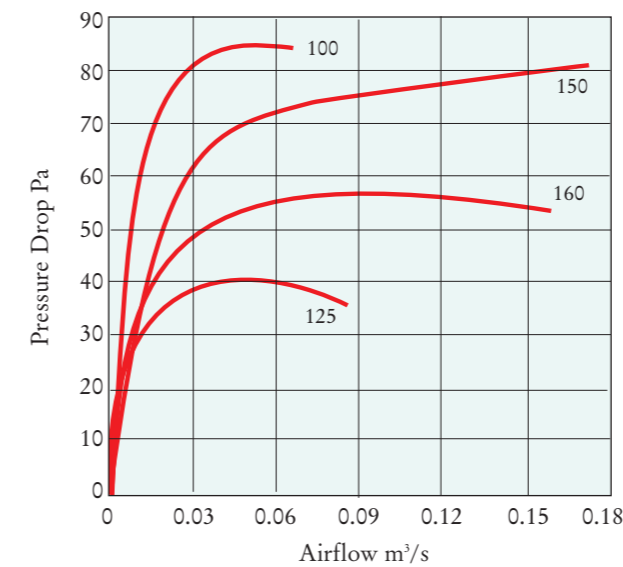
Unitex

Back Draught Shutters



- Manufactured in electro-zinc steel
- Positive spring return mechanism
- Sizes 100-315mm diameter

In-line back draught shutters manufactured in electro-zinc steel these units have a positive spring return mechanism. The springs are carefully selected for positive closure without undue pressure loss. Diameters from 100 to 315mm. Also available in 400mm diameter to special request.



Dimensions (mm)

| Code No. | AØ | B | C |
|----------|-----|-----|----|
| BDS 100 | 100 | 80 | 31 |
| BDS 125 | 125 | 100 | 43 |
| BDS 150 | 150 | 100 | 46 |
| BDS 160 | 160 | 120 | 53 |
| BDS 200 | 200 | 140 | 63 |
| BDS 250 | 250 | 140 | 63 |
| BDS 315 | 315 | 140 | 63 |

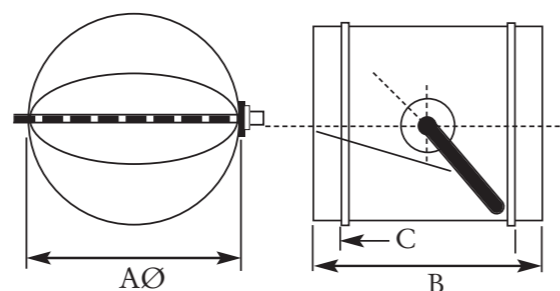
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Volume Control Dampers



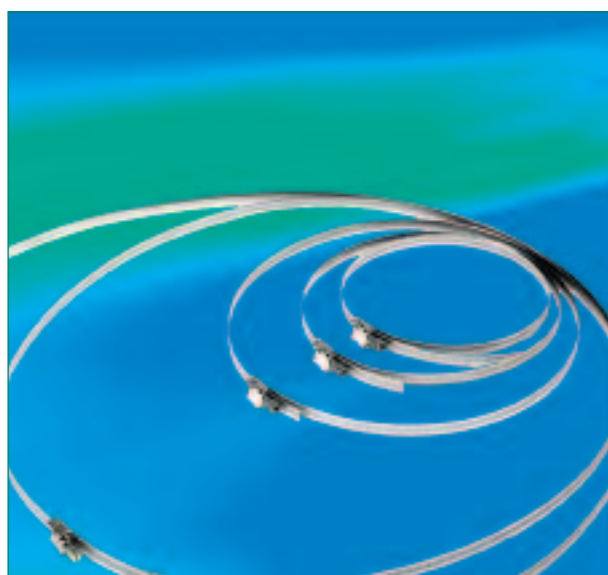
Dimensions (mm)

| Code No. | AØ | B | C |
|----------|-----|-----|----|
| VCD 100 | 100 | 230 | 28 |
| VCD 125 | 125 | 230 | 28 |
| VCD 150 | 150 | 230 | 28 |
| VCD 160 | 160 | 230 | 28 |
| VCD 200 | 200 | 230 | 28 |
| VCD 250 | 250 | 400 | 28 |
| VCD 300 | 300 | 400 | 28 |
| VCD 315 | 315 | 400 | 28 |



In-line dampers for the regulation and balancing of ventilation systems. A locking quadrant & indicator permits simple adjustment. Competitively priced they offer a much more economical solution than expensive multi-blade dampers often used for simple balancing and are easily accommodated in restricted spaces. Available in diameters from 100 to 315mm.

Speed Clamps

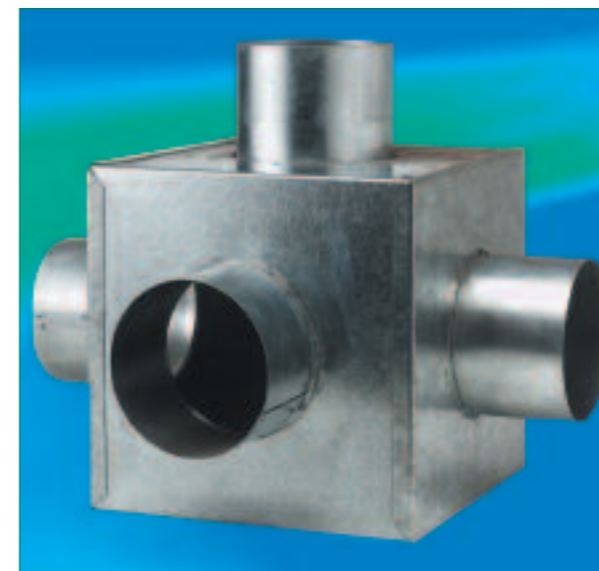


Speed Clamps ready made stainless steel fastening bands in a range of sizes and quicker to apply than conventional strip fastening systems. Each band is fully adjustable and the unique flip lock assembly allows initial adjustment by hand - final tightening for the last few turns, by screwdriver.

| Code No | Dia (min. & max.) |
|----------|-------------------|
| 49085135 | 85 to 135mm dia. |
| 49115165 | 115 to 165mm dia. |
| 49165215 | 165 to 215mm dia. |
| 49275325 | 275 to 325mm dia. |
| 49375425 | 375 to 425mm dia. |
| 49475525 | 475 to 525mm dia. |

Unitex

Distribution Boxes



Dimensions (mm)

| Code No | Spigots (outside dia.) | | | | | |
|---------|------------------------|-----|-----|-----|-----|-----|
| | A | B | 1 | 2 | 3 | 4 |
| PLB100 | 200 | 200 | 100 | 100 | 100 | 100 |
| PLB125 | 200 | 200 | 125 | 100 | 100 | 125 |
| PLB150 | 250 | 250 | 150 | 100 | 100 | 150 |
| PLB160 | 250 | 250 | 160 | 100 | 100 | 150 |
| PLB200 | 305 | 305 | 200 | 150 | 150 | 150 |
| PLB250 | 356 | 356 | 250 | 150 | 150 | 200 |
| PLB315 | 406 | 406 | 315 | 200 | 200 | 250 |

Heavy gauge galvanised steel construction

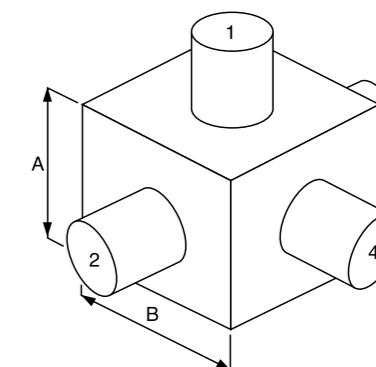
Standard sizes available from stock

Integral balancing dampers available as optional extra

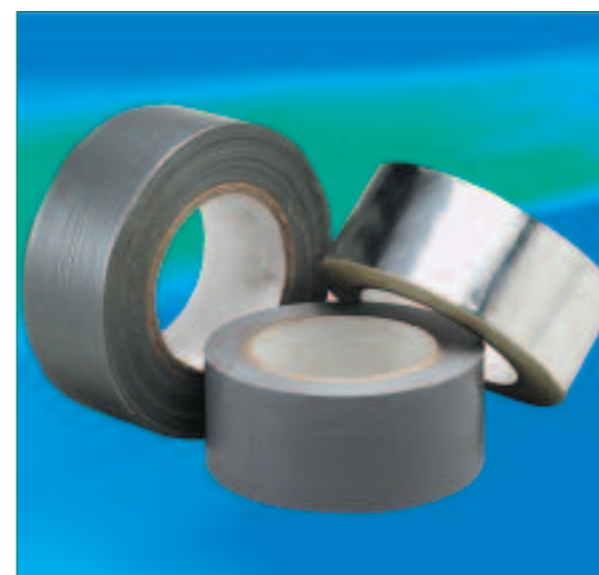
Unitex Plenum boxes are available in a range of standard sizes from stock. Manufactured from heavy gauge galvanised steel with sealed seams, the external surface is additionally protected by an epoxy powder coat finish. Three outlet spigots with a further main duct spigot simplifies the installation of multi-way systems.

Integral dampers can be fitted as an optional extra to allow individual balancing of each connection.

For the first time a connection 'system' is available as a standard off the shelf module for the smaller installation.



Duct Sealing Tape



| Code No | Description |
|---------|---|
| 4555047 | Silver Fabric Base Polycloth Duct Sealing Tape (50mm wide, 50m length/roll) |
| 4555046 | Extra Thick Aluminium Foil Duct Sealing Tape (50mm wide, 45m length/roll) |
| 4550100 | Grey Heavy Duty PVC Duct Sealing Tape (50mm wide, 33m length/roll) |