flex*pipe*plus round and oval ducting system. Arbitrarily combinable.



flex*pipe*plus is the further development of the successful flex*pipe* air distribution system and it combines round and oval ducts in one smart system package with all conceivable round-oval combinations.

The oval duct has the identical hydraulic cross-section and pressure loss as the round duct as well as a point-symmetric design.
This results in unique advantages:

- No matter if it's planning and layout or installation and adjustment or maintenance, round and oval pipe behave completely identical.
- Depending on the structural circumstances, the optional change between round and oval ducts is possible using adapters, both in line and away from the distribution box. This offers a high degree of flexibility in planning and installation.
- For each application, an option can be selected that is both suitable from a construction perspective and economically attractive. The space-saving oval duct is mainly used if low installation heights are required.
- The round-oval compatibility results in low parts diversity. The stocking and consultation processes are greatly simplified. The installation is almost intuitive.
- The point-symmetric oval design allows installation from horizontal to vertical without the use of adapters for position correction.

Reference

flex*pipe* round duct system with ext. Ø 63 mm, int. 52 mm
for volume flows up to 20 m³/h
see page172

flex*pipe*plus is available in two designs which can be combined as required:

- FRS 75, round:
  External Ø: 75 mm, internal: 63 mm for volume flows up to 30 m³/h. For installation in concrete ceilings. High ring strength (STIS ≥ 10 kN/m² according to DIN EN 9969). Bending radius horizontal and vertical 150 mm.
- FRS 51, oval:
  51 x 114 mm, for volume flows up to 30 m³/h, ideal for space-saving installation e.g. on unfinished floors or in walls. Bending radius horizontal 300 mm, vertical 200 mm.

Installation, handling, commissioning

- Ultra-simple planning thanks to identical duct cross-sections and pressure losses.
- Quick installation due to radial, flexible endless installation from the roll.
- Construction site-compliant handling due to its low weight.
- Quick commissioning due to minimal adjustment effort.
- Uniform air distribution.
- To ensure high standards of hygiene and easy cleaning.

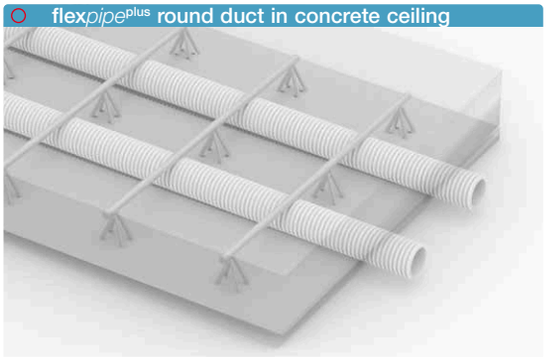
Duct properties and advantages

- Special round and oval ventilation duct made of hygienically safe PE-HD new material.
- Two-layer design – externally corrugated and internally smooth and antistatic. This reduces pressure losses and minimises airflow noise and dirt deposits.
- The extreme horizontal and vertical bending elasticity of both duct geometries minimises the number of necessary moulded parts.
- The point-symmetric design allows the installation of the oval duct from horizontal to vertical, upwards or downwards, without the use of adapters.

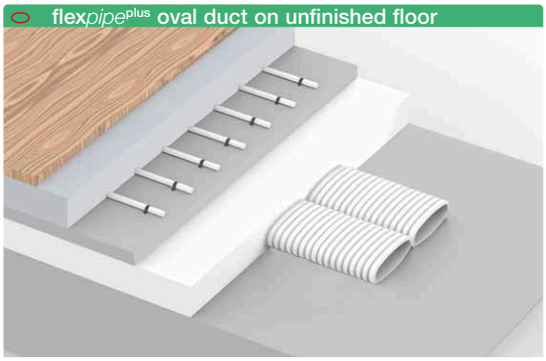
Duct concept, installation

- Mounting clips on all moulded parts for secure fixation to floors, walls or ceilings.
- Detachable mounting brackets guarantee quick, tear-proof duct fixation to all connection points.
- No additional cross talk silencer due to sound-insulating distribution box.
- Precisely fitting sealing system on all fittings for reliable air transport.
- Aerodynamically optimised ceiling and floor boxes as well as wall outlets are available for the use of room-side inlet and outlet elements at the duct ends. These have two parallel duct connections for delivering the volume flows required according to DIN 1946-6 with low pressure loss.

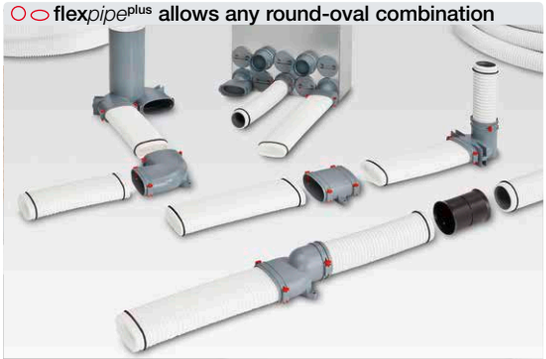
flex*pipe*plus round duct in concrete ceiling



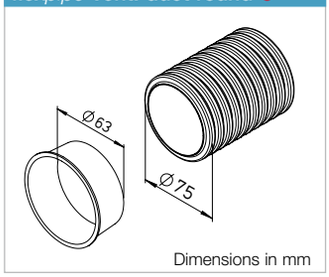
flex*pipe*plus oval duct on unfinished floor



flex*pipe*plus allows any round-oval combination



flex*pipe* vent. duct round ○

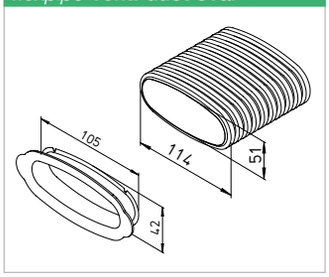


Dimensions in mm

flex*pipe* vent. duct				
Type Ø 75 mm	Ref. no.	Length lin. m	Dim. in mm Ext. Ø	Int. Ø
FRS-R 75 ○	02913	50	75	63
FRS-R 75/20 ○	40973	20	75	63
Hygiene duct shutter cover				Unit
FRS-VD 75 ○	02915			10 pcs.

Flexible round duct made of PE-HD, ideal for installation in concrete ceiling.
Includes two hygiene duct shutter covers, can also be ordered separately.

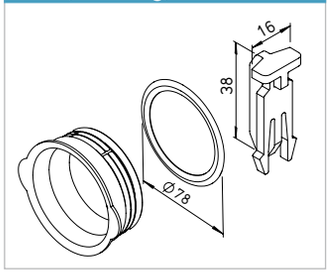
flex*pipe* vent. duct oval ⬭



flex*pipe* vent. duct (bundle = 20 lin. m)			
Type 114 x 51 mm	Ref. no.	Dim. in mm Width	Height
FRS-R 51 ⬭	03850	114	51
Hygiene duct shutter cover			Unit
FRS-VD 51 ⬭	03866		10 pcs.

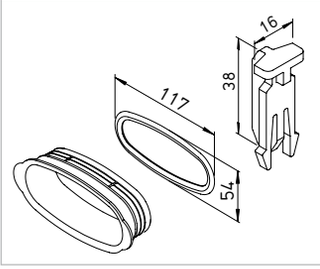
Flexible oval duct made of PE-HD, for space-saving installation on unfinished floors, installation in walls or suspended ceilings. Includes two hygiene duct shutter covers, can also be ordered separately.

Cover, seal ring, bracket ○



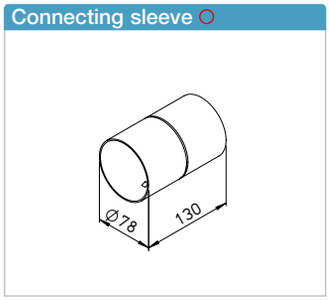
Connector cover / seal ring / bracket		
Type Ø 75 mm	Ref. no.	Unit
Connector shutter cover with seal ring		
FRS-VDS 75 ○	03855	1 pc.
Seal ring		
FRS-DR 75 ○	02916	10 pcs.
Bracket, detachable		
FRS-FK ○ ⬭	03854	10 pcs.

Cover, seal ring, bracket ⬭



Connector cover / seal ring / bracket		
Type 114 x 51 mm	Ref. no.	Unit
Connector shutter cover with seal ring		
FRS-VDS 51 ⬭	03856	1 pc.
Seal ring		
FRS-DR 51 ⬭	03864	10 pcs.
Bracket, detachable		
FRS-FK ○ ⬭	03854	10 pcs.

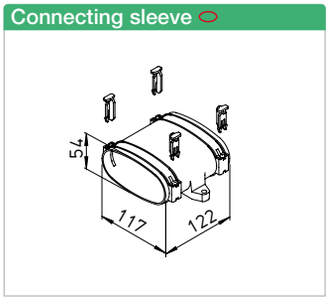
Connecting sleeve ○



Connecting sleeve	
Type Ø 75 mm	Ref. no.
FRS-VM 75 ○	02914

Connecting sleeve for round duct FRS-R 75 with tear-off protection on both sides, made of polyethylene.

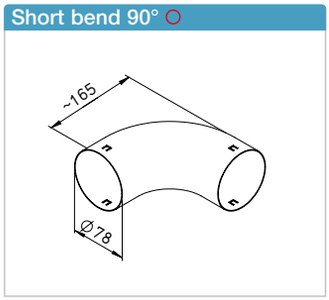
Connecting sleeve ⬭



Connecting sleeve	
Type 114 x 51 mm	Ref. no.
FRS-VM 51 ⬭	03862

Connecting sleeve for oval duct FRS-R 51.
With integrated fastening tabs, includes duct mounting brackets (4 pcs.).
Made of impact-resistant polypropylene.

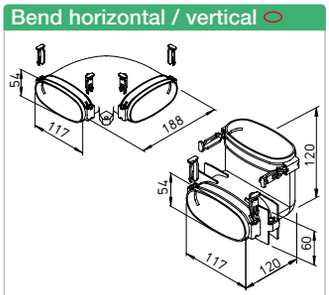
Short bend 90° ○



Short bend 90°	
Type Ø 75 mm	Ref. no.
FRS-B 75 ○	02994

Short bend 90° for bending radii < 2 x round duct external diameter. Horizontal and vertical application with tear-off protection on both sides.
Made of galvanised steel sheet.

Bend horizontal / vertical ⬭



Bend horizontal / vertical	
Type 114 x 51 mm	Ref. no.
FRS-BH 51 ⬭	03863
FRS-BV 51 ⬭	03859

Horizontal or vertical bend 90°.
With integrated fastening tabs, includes duct mounting brackets (4 pcs.).
Made of impact-resistant polypropylene.

■ Optional possibility to combine round and oval ducts

- ▢ With **flex*pipe*plus** from Helios, you rely on one system and you have the ideal solution at your fingertips at all times, depending on building requirements.
- ▢ The ultra-flat (only 51 mm) oval duct is used if low installation heights are required. The proven duct lends itself for direct embedding in concrete ceilings.
- ▢ Thanks to the identical hydraulic cross-sections and pressure losses of the two ducts and due to well-conceived system components, round and oval ducts can be combined in any way – both in line and away from the distribution box.

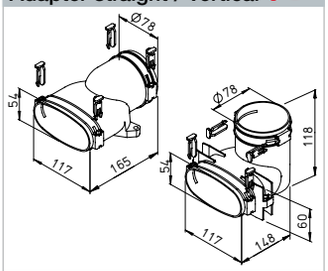


Vertical and horizontal adapters allow any round/oval, oval/oval and round/round combination.



The distribution boxes can be equipped with round and oval single connectors and mixed connectors.

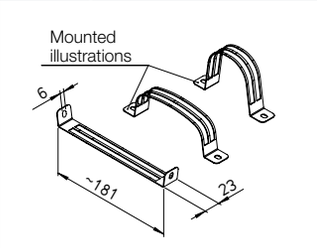
Adapter straight / vertical ○ ⬭



Adapter straight / vertical	
Type Ø 75 mm / 114 x 51 mm	Ref. no.
Adapter straight	
FRS-ÜG 51-75 ○ ⬭	03861
Adapter vertical	
FRS-ÜV 51-75 ○ ⬭	03860

Horizontal and vertical adapter from round duct FRS-R 75 to oval duct FRS-R 51.
With integrated fastening tabs, includes duct mounting brackets (4 pcs.).
Made of impact-resistant polypropylene.

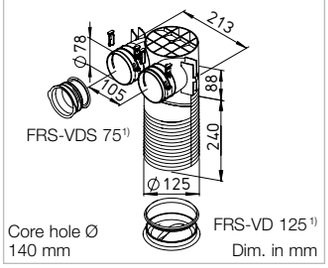
Mounting clip ○ ⬭



Mounting clip		
Type Ø 75 mm / 114 x 51 mm	Ref. no.	Unit
FRS-BS ○ ⬭	03869	10 pcs.

Mounting clip for round duct FRS-R 75 and oval duct FRS-R 51.
For non-slip duct fixation.
Made of galvanised steel sheet.

Ceiling / wall box ○

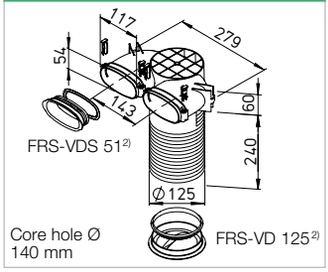


Ceiling / wall box	
Type Ø 75 mm	Ref. no.
FRS-DWK 2-75/125 ○	03857
Extension for ceilings > 240 mm	
FRS-VV 125 ○ ⬭	03906

Ceiling / wall box for max. 2 round ducts FRS-R 75. For connection of supply / extract air valves DN 125. Height marks can be shortened to fit. Per 1 pc. connector blind cover DN 75, DN 125.

1) Integr. mounting clips, duct mounting brackets (4 pcs.), made of impact-resistant polypropylene.

Ceiling / wall box ⬭

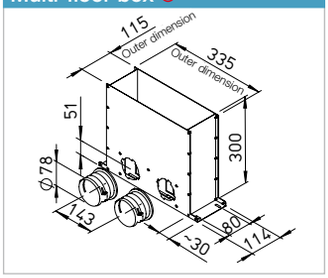


Ceiling / wall box	
Type 114 x 51 mm	Ref. no.
FRS-DWK 2-51/125 ⬭	03858
Extension for ceilings > 240 mm	
FRS-VV 125 ○ ⬭	03906

Ceiling / wall box for max. 2 oval ducts FRS-R 51. For connection of supply / extract air valves DN 125. Height marks can be shortened to fit. Per 1 pc. connector blind cover 51 mm, DN 125.

2) Integr. mounting clips, duct mounting brackets (4 pcs.), made of impact-resistant polypropylene.

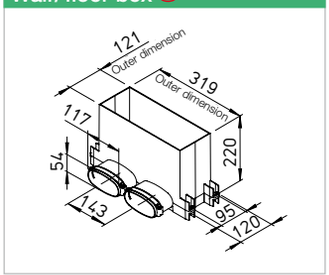
Multi-floor box ○



Multi-floor box	
Type Ø 75 mm	Ref. no.
FRS-MBK 2-75 ○	03872

Multi-floor box for connection of max. 2 round ducts FRS-R 75. Suitable for embedding in concrete ceiling, consists of:
– Floor box with air volume control insert in robust sheet metal design
– 2 pcs. connectors (round) and 1 pc. connector cover with seal (round)

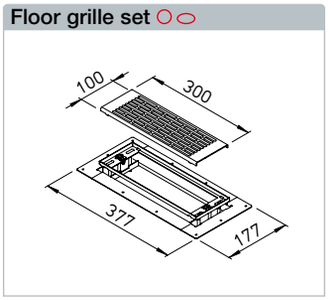
Wall / floor box ⬭



Wall / floor box	
Type 114 x 51 mm	Ref. no.
FRS-WBK 2-51 ⬭	03877

Wall / floor box for connection of max. 2 oval ducts FRS-R 51. Installation in walls or on unfinished floor, consists of:
– Plastic box made of impact-resistant polypropylene with air volume control insert. For use with FRS-WGS or FRS-BGS.
– 1 pc. connector cover with seal (oval).

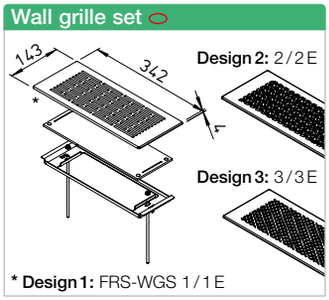
Floor grille set ○ ⬭



Floor grille set	
Type	Ref. no.
FRS-BGS 1 ○ ⬭	03878

Floor grille set made of stainless steel for multi-floor box FRS-MBK 2-75 and wall / floor box FRS-WBK 2-51, consists of:
– Grille frame with height adjustment for barrier-free installation in the floor covering
– Anti-puncture design floor grille
– Insert filter (replacement filter mats ELF-BGS, Ref. no. 03914, unit = 2 pcs.)

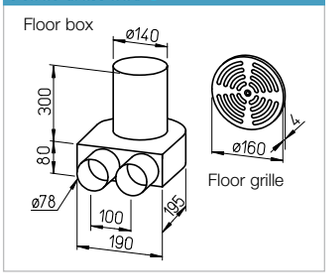
Wall grille set ⬭



Wall grille set		
Type	Ref. no.	
FRS-WGS 1 ⬭	03881	white
FRS-WGS 2 ⬭	03882	white
FRS-WGS 3 ⬭	03883	white
FRS-WGS 1 E ⬭	03886	Stainl. steel
FRS-WGS 2 E ⬭	03892	Stainl. steel
FRS-WGS 3 E ⬭	03904	Stainl. steel

Wall grille set with installation frame and insert filter for FRS-WBK 2-51. See p. 168 for grille designs.

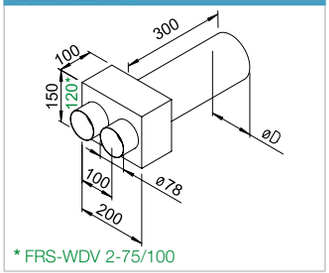
Floor box set ○



Floor box set		
Type Ø 75 mm	Ref. no.	
FRS-BKGS 2-75 ○	09992	

Floor box set consists of:
– 1 pc. floor box for grille connection DN 160
– 1 pc. floor grille made of brushed stainless steel with adjustable volume flow
– 1 pc. cover

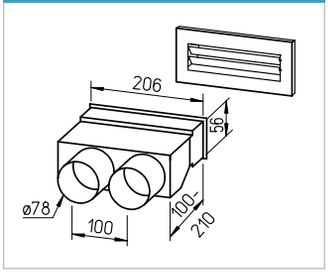
Wall outlet ○



Wall outlet for valve connection		
Type Ø 75 mm	Ref. no.	Ø D mm
FRS-WDV 2-75/100 ○	09621	100
FRS-WDV 2-75/125 ○	09622	125

Wall outlet incl. plaster / formwork lid and cover (1 pc.). For connection of supply air or extract air valves DN 100 or DN 125.

Wall outlet set ○



Wall outlet set, straight	
Type Ø 75 mm	Ref. no.
FRS-WDS 2-75 ○	09994

Wall outlet set consists of:
– Wall outlet with sliding connector
– Wall outlet white (FK-WA 200 W), 250 x 103 mm
– 1 pc. cover

Basic set package ○



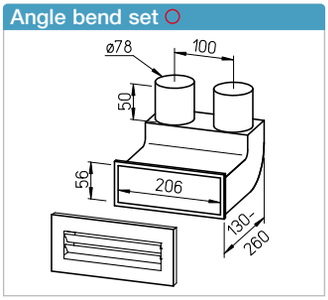
Basic set package		
Type	Ref. no.	Ø D mm
FRS-RP 75 ○	09397	75

flex*pipe* basic set package consists of:

– 3 pcs. FRS-R 75	(Ref. no. 02913)
– 2 pcs. FRS-VK 10-75/160	(Ref. no. 03847)
– 8 pcs. FRS-DWK 2-75/125	(Ref. no. 03857)
– 7 pcs. FRS-B 75	(Ref. no. 02994)
– 7 pcs. FRS-VM 75	(Ref. no. 02914)
– 4 units FRS-DR 75	(Ref. no. 02916)
– 1 units FRS-VD 75	(Ref. no. 02915)
– 1 pcs. cold shrink tape KSB	(Ref. no. 09343)

By choosing the Helios basic set package, you can save
– money due to the discounted package price.
– time, because everything is included to get started right away. There is no need for time consuming, annoying additional trips because little things are missing.

Angle bend set ○



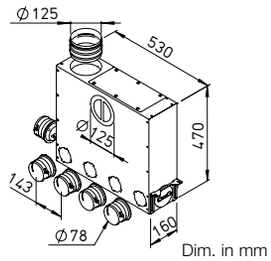
Angle bend set, 90°	
Type Ø 75 mm	Ref. no.
FRS-WBS 2-75 ○	09996

Angle bend set consists of:
– Angle bend with sliding connector
– Wall outlet white (FK-WA 200 W), 250 x 103 mm
– 1 pc. cover

1) Cover with integrated seal FRS-VDS 75, Ref. no. 03855 and -VD 125, Ref. no. 03865. Cover can be used for the connector or duct connection opening on distribution box.

2) Cover with integrated seal FRS-VDS 51, Ref. no. 03856 and -VD 125, Ref. no. 03865. Can also be used as cover for the connector or duct connection opening on distribution box.

Multi-distribution box 4+1x ○



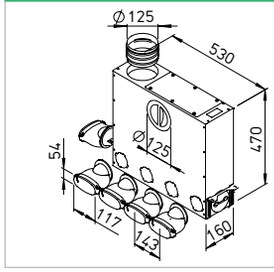
Dim. in mm

Multi-distribution box [1]

Type Ø 75 mm	Ref. no.	Ø NW mm
FRS-MVK 4+1-75/125 ○	03843	125

For universal installation in/on unfinished concrete flooring. With height-adjustable mounting brackets. Duct connection DN 125 optionally horizontal or vertical. 10 connection options for up to 5 ventilation ducts FRS-R 75. With sound-absorbing cladding and large inspection opening.

Multi-distribution box 4+1x ⬭



Multi-distribution box 4+1x [1]

Type 114 x 51 mm	Ref. no.	Ø NW mm
FRS-MVK 4+1-51/125 ⬭	03841	125

For universal installation on unfinished concrete flooring. With height-adjustable mounting brackets. Duct connection DN 125 optionally horizontal or vertical. 10 connection options for up to 5 oval ventilation ducts FRS-R 51. With sound-absorbing cladding and large inspection opening.

Multi-distribution box 5+2x ○

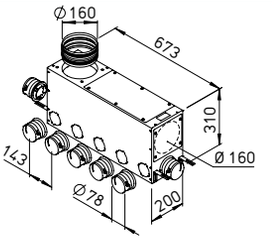


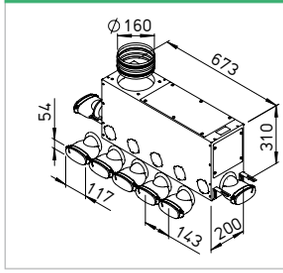
Fig.: FRS-MVK 5+2-75/160

Multi-distribution box 5+2x [1]

Type Ø 75 mm	No.	Ø NW mm
FRS-MVK 5+2-75/160 ○	03836	160
FRS-MVK 5+2-75/160 H ○	03835	160

For universal installation in/on unfinished concrete flooring. With height-adjustable mounting brackets. Duct connection DN 160 optionally horizontal or vertical. Type FRS-MVK 5+2-75/160 H with 380 mm casing height and 3 x duct connection DN 160. 12 connection options for up to 7 ventilation ducts FRS-R 75.

Multi-distribution box 5+2x ⬭

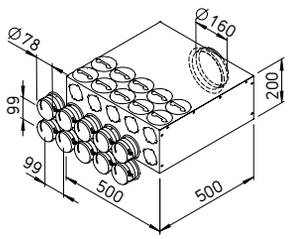


Multi-distribution box 5+2x [1]

Type 114 x 51 mm	Ref. no.	Ø NW mm
FRS-MVK 5+2-51/160 ⬭	03838	160

For universal installation on unfinished concrete flooring or as floor distributor. With height-adjustable mounting brackets. Duct connection DN 160 optionally horizontal or vertical. 12 connection options for up to 7 oval ventilation ducts FRS-R 51. With sound-absorbing cladding and large inspection opening.

Distribution box 10x ○

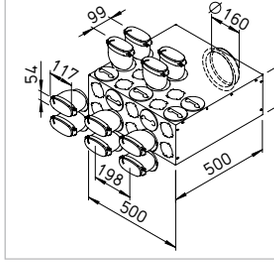


Distribution box 10-75 [2]

Type Ø 75 mm	Ref. no.	Ø NW mm
FRS-VK 10-75/160 ○	03847	160

20 connection options for up to 10 ventilation ducts FRS-R 75. Can be installed as straight distributor, 90° distributor or combined. Mixed setup with oval connectors possible (Type FRS-ES 51, Ref. no. 03851). With sound-absorbing cladding and large inspection opening.

Distribution box 10x ⬭

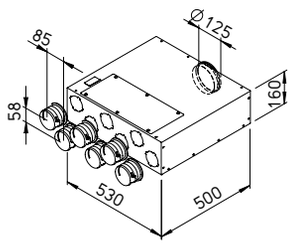


Distribution box 10-51 [2]

Type 114 x 51 mm	Ref. no.	Ø NW mm
FRS-VK 10-51/160 ⬭	03849	160

20 connection options for up to 10 oval ventilation ducts FRS-R 51. Can be installed as straight distributor, 90° distributor or combined. Mixed setup with round connectors possible (Type FRS-ES 75, Ref. no. 03852). With sound-absorbing cladding and large inspection opening.

Flat distribution box 6x ○

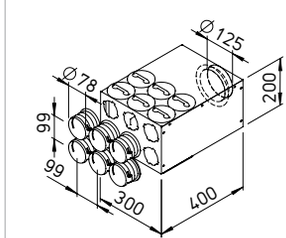


Distribution box 6-75, flat design [1]

Type Ø 75 mm	Ref. no.	Ø NW mm
FRS-FVK 6-75/125 ○	03845	125

For connection of up to 6 ventilation ducts FRS-R 75. Installation as straight distributor. Mixed setup with oval connectors possible (Type FRS-ES 51, Ref. no. 03851). With sound-absorbing cladding and large inspection opening.

Distribution box 6x ○

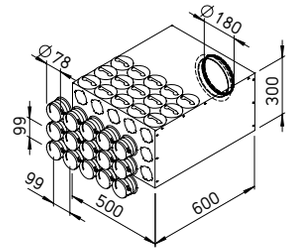


Distribution box 6-75 [1]

Type Ø 75 mm	Ref. no.	Ø NW mm
FRS-VK 6-75/125 ○	03846	125

12 connection options for up to 6 ventilation ducts FRS-R 75. Can be installed as straight distributor, 90° distributor or combined. Mixed setup with oval connectors possible (Type FRS-ES 51, Ref. no. 03851). With sound-absorbing cladding and large inspection opening.

Distribution box 15x ○



Distribution box 15-75 [2]

Type Ø 75 mm	Ref. no.	Ø NW mm
FRS-VK 15-75/180 ○	03848	180

30 connection options for up to 15 ventilation ducts FRS-R 75. Can be installed as straight distributor, 90° distributor or combined. Mixed setup with oval connectors possible (Type FRS-ES 51, Ref. no. 03851). With sound-absorbing cladding and large inspection opening.

Combination distribution box ○

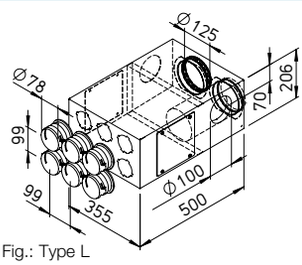


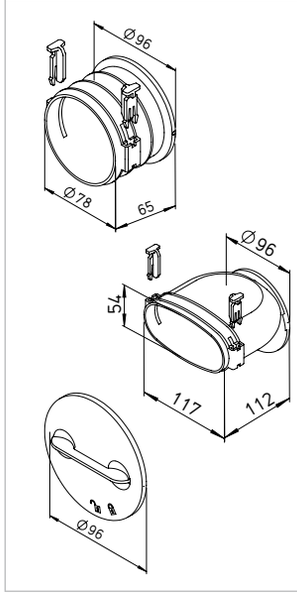
Fig.: Type L

Combination distribution box [1]

Type Ø 75 mm	Ref. no.	Ø NW mm
FRS-KVK 6-75/125 L* ○	03873	125
FRS-KVK 6-75/125 R* ○	03874	125

* Supply air connection on left or right. Compact distribution box, ideal for adjoining extract air rooms. 2 x DN 100 for direct insertion of extract air valves DLV (see accessories). Supply air distribution via connection of up to 6 ventilation ducts FRS-R 75.

Connector, cover ○ ⬭



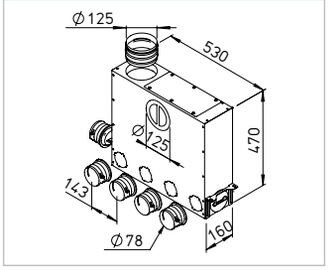
Connector, bayonet cap

Type	Ref. no.	Unit
Connector, Ø 75 mm		
FRS-ES 75 ○	03852	1 pc.
Connector, 114 x 51 mm		
FRS-ES 51 ⬭	03851	1 pc.
Bayonet cap		
FRS-VDB ○ ⬭	03853	1 pc.

Additional connectors for connection of round ventilation duct FRS-R 75 or oval ventilation duct FRS-R 51 to distribution box. Easy and variable positioning using bayonet closure. Tight-closing, includes duct mounting brackets (2 pcs.), made of impact-resistant polypropylene. Bayonet cap for the connector openings on the distribution box.

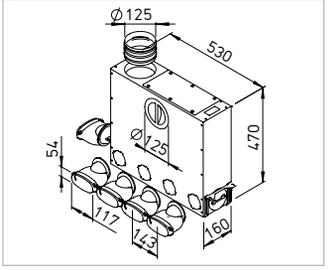
[1] incl. 2 pcs. connector cover.
[2] incl. 4 pcs. connector cover.

Multi-distribution box 4+1x ○



Type Ø 75 mm	No.	Ø NW mm
FRS-MVK 4+1-75/125 ○	03843	125

Multi-distribution box 4+1x ⬭



Type 114 x 51 mm	No.	Ø NW mm
FRS-MVK 4+1-51/125 ⬭	03841	125

Frequency	Insertion loss	Cross-talk loss
Hz	dB	dB
125	23.5	30.6
250	24.2	25.3
500	19.3	18.3
1000	28.7	25.3
2000	30.8	39.0
4000	36.6	42.9
8000	38.3	40.8

Multi-distribution box 5+2x ○

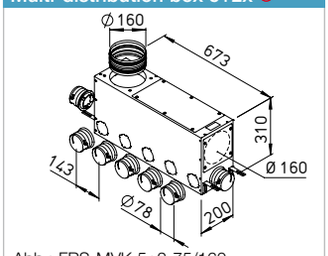
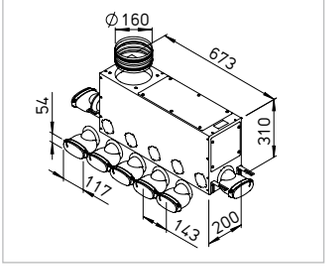


Abb.: FRS-MVK 5+2-75/160

Type Ø 75 mm	No.	Ø NW mm
FRS-MVK 5+2-75/160 ○	03836	160
FRS-MVK 5+2-75/160 H ○	03835	160

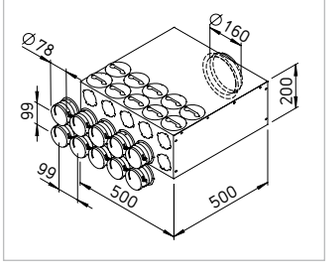
Multi-distribution box 5+2x ⬭



Type 114 x 51 mm	No.	Ø NW mm
FRS-MVK 5+2-51/160 ⬭	03838	160

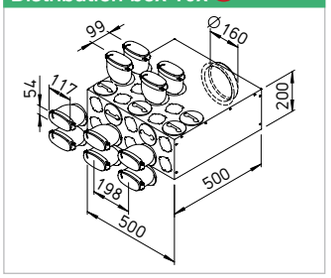
Frequency	Insertion loss	Cross-talk loss
Hz	dB	dB
125	21.0	28.8
250	16.5	24.7
500	24.6	28.0
1000	36.3	34.4
2000	35.2	40.2
4000	43.8	45.0
8000	46.1	41.1

Distribution box 10x ○



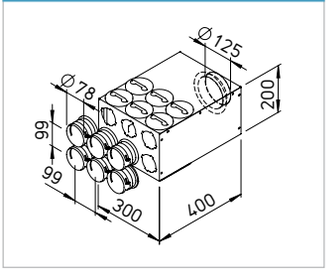
Type Ø 75 mm	No	Ø NW mm
FRS-VK 10-75/160 ○	03847	160

Distribution box 10x ⬭



Type 114 x 51 mm	No.	Ø NW mm
FRS-VK 10-51/160 ⬭	03849	160

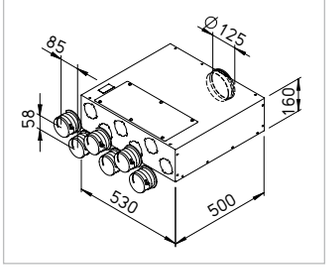
Distribution box 6x ○



Type Ø 75 mm	No.	Ø NW mm
FRS-VK 6-75/125 ○	03846	125

Frequency	Insertion loss	Cross-talk loss
Hz	dB	dB
125	23.0	34.4
250	21.8	33.1
500	36.2	27.4
1000	29.4	26.9
2000	28.9	38.7
4000	34.4	44.2
8000	36.1	44.0

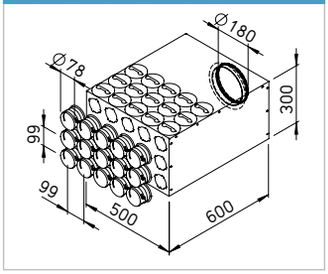
Flat distribution box 6x ○



Type Ø 75 mm	No.	Ø NW mm
FRS-FVK 6-75/125 ○	03845	125

Frequency	Insertion loss	Cross-talk loss
Hz	dB	dB
125	22.6	27.4
250	21.3	21.4
500	27.7	20.4
1000	28.8	20.2
2000	30.6	33.6
4000	42.6	40.1
8000	43.2	40.2

Distribution box 15x ○



Type Ø 75 mm	No.	Ø NW mm
FRS-VK 15-75/180 ○	03848	180

Frequency	Insertion loss	Cross-talk loss
Hz	dB	dB
125	26.8	30.9
250	19.4	30.2
500	28.4	25.3
1000	25.4	29.0
2000	30.8	39.8
4000	34.7	49.1
8000	34.9	53.0

Measured in accordance with DIN EN ISO 7235 and DIN EN ISO 11820.

flex*pipe*plus ceiling-integrated distribution element

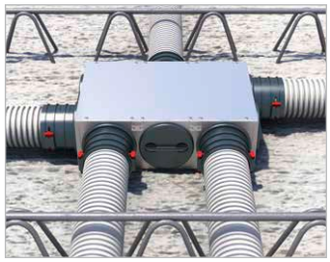


With the ceiling-integrated distribution element, we are making it even easier for you to realise the perfect KWL ventilation system quickly and easily in the future. The distribution element is not only flexible in application due to its compact dimensions, but it also saves you the complicated duct insertion and removal from the concrete ceiling

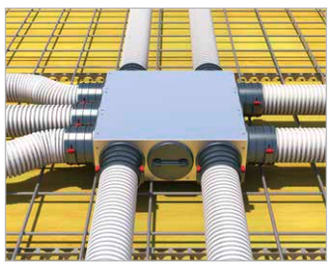
Highlights:

- ▢ Intelligent, almost invisible solution for air distribution of **flex*pipe*plus** ducts in concrete ceilings for single-family houses and apartment buildings.
- ▢ Integrated height adjustment for different ceiling types.
- ▢ Installation without formwork damage and tool-free duct connection using a click system save time and money.

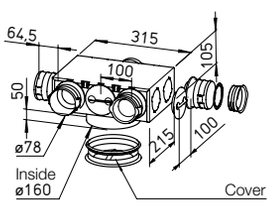
Installation in filigree ceiling:



Installation in raw concrete ceiling:



Distribution element 5x ○



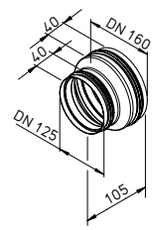
Core hole -ø ≥ 172 mm

Dimensions in mm

flex*pipe* distribution element 5x		
Type Ø 75 mm	Ref. no.	Ø NW mm
FRS-VE 5-75/160 ○	40161	160

For universal installation in the unfinished concrete flooring. Duct connection DN 160 or DN 125 possible (duct connector RVBD 160 L or RVBD 160/125 required for this).
10 connection options for up to 5 FRS-R 75 ventilation ducts. Large inspection opening for easy cleaning incl. cover.

Fitting for duct connection ○

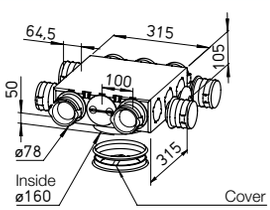


Dimensions in mm

Duct connector	
Type Ø 160/125 mm	Ref. no.
RVBD 160/125 ○	40165

Duct connector for the connection of ventilation ducts/IsoPipe ducts DN 125.

Distribution element 9x ○



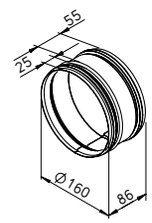
Core hole -ø ≥ 172 mm

Dimensions in mm

flex*pipe* distribution element 9x		
Type Ø 75 mm	Ref. no.	Ø NW mm
FRS-VE 9-75/160 ○	40162	160

For universal installation in the unfinished concrete flooring. Duct connection DN 160 or DN 125 possible (duct connector RVBD 160 L or RVBD 160/125 required for this).
12 connection options for up to 9 FRS-R 75 ventilation ducts. Large inspection opening for easy cleaning incl. cover.

Fitting for duct connection ○



Dimensions in mm

Duct connector long	
Type Ø 160 mm	Ref. no.
RVBD 160 L ○	40164

Duct connector for the connection of ventilation ducts/IsoPipe ducts DN 160.

flex*pipe*plus Silencer box

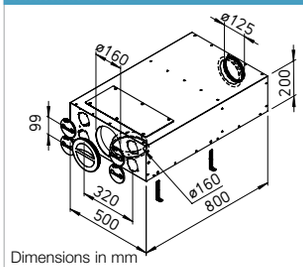


The ideal companion for the FRS-VE ceiling-integrated distribution element: The innovative FRS silencer box.

Highlights:

- ▢ Direct mounting on the ceiling-integrated distribution element for minimal space requirements, e.g. directly under the ceiling.
- ▢ Effective sound insulation properties. In combination with FRS-VE, values of up to 30 dB are achieved.
- ▢ Very good accessibility for easy cleaning thanks to extra-large inspection opening.
- ▢ Simple and flexible installation vertically on the wall or horizontally on the ceiling.

Silencer box ○



Dimensions in mm

flexpipe silencer box		
Type Ø 75 mm	Ref. no.	Ø NW mm
FRS-SDB 75/160 ○	40163	75

Silencer and distribution box for combination with the FRS-VE. RVBD 160 L required for connection.
Horizontal and vertical installation possible.
4 optional connections 75 mm at the front.
Optional accessories:
Single connector ref. no. 03852.
Including: Mounting bracket, 75 mm cover and 160 mm cover.

Insertion losses

Type	Ref. no.	Insertion loss D_e dB at Hz						Average insertion loss
		125	250	500	1000	2000	4000	
FRS-SDB 75/160	40163	16	23	23	17	21	18	23