

Heat Recovery & Plastic Ducting

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How does STÖRNCH InDuct work?

STÖRNCH InDuct is a pre-insulated system of ducting and fittings, suited to air-conditioning (HVAC), ventilation, chiller and heating installations. Consisting mainly of glass, sand and soda, the InDuct ducting and fittings come with a patented aluminium foil on both the inner and outer surfaces, which provides an effective barrier against condensation.

This innovative new system boasts a host of unique features, benefiting specifiers, installers and end-users alike.

Cut easily using a standard kitchen/bread knife (see image below), InDuct does not require the use of any power tools. This effectively removes the associated fire risks, as well as simply providing a much easier system to work with.

Joining of ducting and fittings, and connecting onto existing spiral ducting is quick and secure, using the hex-round rubber sleeve pictured below. No adhesive of any description is required, due to the inherent security of the connection.

Get in contact with a member of the team today for more information on this revolutionary new system!



PERFECT FIT FOR YOUR VAN



TIME SAVING... NO MORE LAGGING



PERFECT FIT FOR YOUR SITE STORAGE



STÖRNCH InDuct Pipes



Part No	Description	Size	Qty/Pk
GMID125	STÖRNCH InDuct	125 x 2350mm	Pk 4
GMID160	STÖRNCH InDuct	160 x 2350mm	Pk 3
GMID200	STÖRNCH InDuct	200 x 2350mm	Pk 3
GMID250	STÖRNCH InDuct	250 x 2350mm	Pk 2
GMID315	STÖRNCH InDuct	315 x 2350mm	Pk 2

- Round duct, hexagonal interior
- Constructed from glass wall insulation
- Covered inside and outside in vapour tight aluminium foil
- Water vapour resistance > 140m 2h Pa/mg
- ≈ 30mm insulation thickness

STÖRNCH InDuct 90° Elbows



- Constructed from compressed glass wall insulation
- Covered inside and outside in vapour tight aluminium foil
- Water vapour resistance > 140m 2h Pa/mg
- ≈ 30mm insulation thickness

Part No	Description	Size	Qty/Pk
GMID90125	STÖRNCH InDuct 90° Elbow	125mm	each
GMID90160	STÖRNCH InDuct 90° Elbow	160mm	each
GMID90200	STÖRNCH InDuct 90° Elbow	200mm	each
GMID90250	STÖRNCH InDuct 90° Elbow	250mm	each
GMID90315	STÖRNCH InDuct 90° Elbow	315mm	each

STÖRNCH InDuct 45° Elbows



- Constructed from compressed glass wall insulation
- Covered inside and outside in vapour tight aluminium foil
- Water vapour resistance > 140m 2h Pa/mg
- ≈ 30mm insulation thickness

Part No	Description	Size	Qty/Pk
GMID45125	STÖRNCH InDuct 45° Elbow	125mm	each
GMID45160	STÖRNCH InDuct 45° Elbow	160mm	each
GMID45200	STÖRNCH InDuct 45° Elbow	200mm	each
GMID45250	STÖRNCH InDuct 45° Elbow	250mm	each
GMID45315	STÖRNCH InDuct 45° Elbow	315mm	each

STÖRNCH InDuct Tee Pieces



- Equal branch tee constructed from compressed glass wall insulation
- Covered inside and outside in vapour tight aluminium foil
- Water vapour resistance > 140m 2h Pa/mg
- ≈ 30mm insulation thickness

Part No	Description	Size	Qty/Pk
GMIDT125	STÖRNCH InDuct Tee Piece	125mm	each
GMIDT160	STÖRNCH InDuct Tee Piece	160mm	each
GMIDT200	STÖRNCH InDuct Tee Piece	200mm	each
GMIDT250	STÖRNCH InDuct Tee Piece	250mm	each
GMIDT315	STÖRNCH InDuct Tee Piece	315mm	each

STÖRNCH InDuct Connectors



- Connector for joining InDuct pipe
- Constructed from galvanised sheet steel

Part No	Description	Size	Qty/Pk
GMIDC125	STÖRNCH InDuct Connector	125mm	each
GMIDC160	STÖRNCH InDuct Connector	160mm	each
GMIDC200	STÖRNCH InDuct Connector	200mm	each
GMIDC250	STÖRNCH InDuct Connector	250mm	each
GMIDC315	STÖRNCH InDuct Connector	315mm	each

STÖRNCH InDuct Sleeves



- Hex round rubber sleeve
- Attach to InDuct pipe using InDuct tape
- Flame retardant PU

Part No	Description	Size	Qty/Pk
GMIDS125	STÖRNCH InDuct Sleeve	125mm	each
GMIDS160	STÖRNCH InDuct Sleeve	160mm	each
GMIDS200	STÖRNCH InDuct Sleeve	200mm	each
GMIDS250	STÖRNCH InDuct Sleeve	250mm	each
GMIDS315	STÖRNCH InDuct Sleeve	315mm	each

STÖRNCH InDuct Circular Adapters



- Connector for joining InDuct pipe to the respective sized standard spiral ducting
- Constructed from galvanised sheet steel

Part No	Description	Size	Qty/Pk
GMIDA125	STÖRNCH InDuct Circ Adapter	125mm	each
GMIDA160	STÖRNCH InDuct Circ Adapter	160mm	each
GMIDA200	STÖRNCH InDuct Circ Adapter	200mm	each
GMIDA250	STÖRNCH InDuct Circ Adapter	250mm	each
GMIDA315	STÖRNCH InDuct Circ Adapter	315mm	each

InDuct Hanger Straps



- Mounting band with click function
- Fits using InDuct Mounting Nut

Part No	Description	Size	Qty/Pk
GMIDST125	STÖRNCH InDuct Hanger Strap	125mm	each
GMIDST160	STÖRNCH InDuct Hanger Strap	160mm	each
GMIDST200	STÖRNCH InDuct Hanger Strap	200mm	each
GMIDST250	STÖRNCH InDuct Hanger Strap	250mm	each
GMIDST315	STÖRNCH InDuct Hanger Strap	315mm	each

InDuct Wire Clamps



- Stainless steel clamp for securing InDuct pipe to metal fittings
- Tighten with 6mm hex key (NOTE: Not for suspending InDuct)

Part No	Description	Size	Qty/Pk
GMIDCL125	STÖRNCH InDuct Wire Clamp	125mm	each
GMIDCL160	STÖRNCH InDuct Wire Clamp	160mm	each
GMIDCL200	STÖRNCH InDuct Wire Clamp	200mm	each
GMIDCL250	STÖRNCH InDuct Wire Clamp	250mm	each
GMIDCL315	STÖRNCH InDuct Wire Clamp	315mm	each

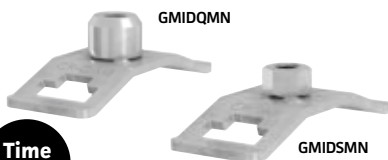
InDuct Accessories



- Soap applicator is essential for lubricating/joining InDuct fittings
- Age restriction on knife purchases (18+)
- Knife for cutting InDuct pipe

Part No	Description	Qty/Pk
GMIDSA	STÖRNCH InDuct Soap Applicator	each
GMIDK	STÖRNCH InDuct Knife	each
GMIDS	STÖRNCH InDuct Soap	each

InDuct Mounting Nut for Strap



Time Saver

- Mounting nut used in conjunction with hanger strap
- For suspending InDuct with M8 Studding
- Standard option winds onto M8 studding
- Quick click *time saving* option simply pushes onto M8 studding

Part No	Description	Qty/Pk
GMIDQMN	STÖRNCH InDuct Quick Click Mounting Nut	each
GMIDSMN	STÖRNCH InDuct Standard Mounting Nut	each

InDuct Transformers



- Frame to create and maintain rectangular form of InDuct
- For a single point transformation to avoid obstacles such as structural features

Part No	Description	Size	Qty/Pk
GMIDTR125	STÖRNCH InDuct Transformer	125mm	each
GMIDTR160	STÖRNCH InDuct Transformer	160mm	each
GMIDTR200	STÖRNCH InDuct Transformer	200mm	each
GMIDTR250	STÖRNCH InDuct Transformer	250mm	each
GMIDTR315	STÖRNCH InDuct Transformer	315mm	each

InDuct Tape



- Reinforced adhesive tape for InDuct
- 45m Roll

Part No	Description	Size	Qty/Pk
GMIDT50	STÖRNCH InDuct Tape	50mm	45m Roll
GMIDT100	STÖRNCH InDuct Tape	100mm	45m Roll



On-Site Project Support

Get in contact with a member of the team today to arrange your FREE on-site support visit!

We realise this is still a relatively new concept in the market place, and are more than happy to visit your first job to ensure everything goes smoothly, and the benefits of the system are realised and leveraged from the outset.

THE PERFECT FIT FOR YOUR VAN...

THE PERFECT RETRO-FIT...
Fast connection to standard spiral!

THE PERFECT FIT FOR YOUR SITE...

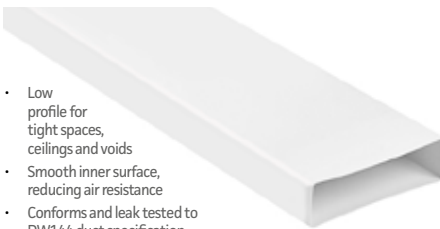
EASY ON THE STAIRS...

EASY ON THE LIFT!



Download our STÖRNCH InDuct Supplement to find out more:
www.greenmillac.com/stornch-induct

Flat Plastic Ducting



- Low profile for tight spaces, ceilings and voids
- Smooth inner surface, reducing air resistance
- Conforms and leak tested to DW144 duct specification
- UV protected white PVC

Part No	Description	Size	Length
GMVDF1	Flat Plastic Ducting	110mm x 54mm	1.5 mt
GMVDF2	Flat Plastic Ducting	204mm x 60mm	1.5 mt
GMVDF3A	Flat Plastic Ducting	220mm x 90mm	1.5 mt

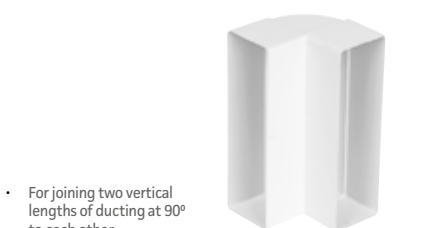
Horizontal 90° Bends



- For joining two horizontal lengths of ducting at 90° to each other

Part No	Description	Size
GMVDF13	Horizontal 90° Bend	110mm x 54mm
GMVDF14	Horizontal 90° Bend	204mm x 60mm
GMVDF15	Horizontal 90° Bend	220mm x 90mm

Vertical 90° Bends



- For joining two vertical lengths of ducting at 90° to each other

Part No	Description	Size
GMVDF22	Vertical 90° Bend	110mm x 54mm
GMVDF23	Vertical 90° Bend	204mm x 60mm
GMVDF24	Vertical 90° Bend	220mm x 90mm

Flat Connectors



- For joining a straight run of ducting

Part No	Description	Size
GMVDF4	Flat Connector	110mm x 54mm
GMVDF5	Flat Connector	204mm x 60mm
GMVDF6	Flat Connector	220mm x 90mm

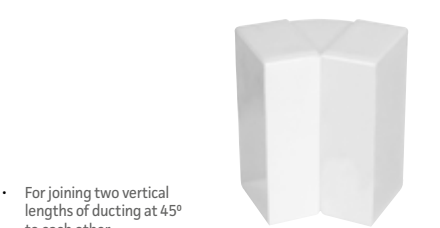
Horizontal 45° Bends



- For joining two horizontal lengths of ducting at 45° to each other

Part No	Description	Size
GMVDF16A	Horizontal 45° Bend	110mm x 54mm
GMVDF17A	Horizontal 45° Bend	204mm x 60mm
GMVDF18A	Horizontal 45° Bend	220mm x 90mm

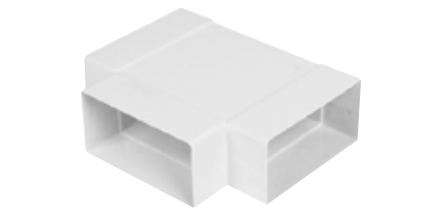
Vertical 45° Bends



- For joining two vertical lengths of ducting at 45° to each other

Part No	Description	Size
GMVDF19	Vertical 45° Bend	110mm x 54mm
GMVDF20	Vertical 45° Bend	204mm x 60mm
GMVDF21	Vertical 45° Bend	220mm x 90mm

Horizontal Tees



- For joining three horizontal lengths of ducting of the same size

Part No	Description	Size
GMVDF35	Horizontal Tee	110mm x 54mm
GMVDF36	Horizontal Tee	204mm x 60mm
GMVDF37	Horizontal Tee	220mm x 90mm

Round to 90° Flat Bends



- For joining a length of round ducting to a length of flat ducting at 90° to each other

Part No	Description	Size
GMVDF29	100mm Round to 90° Flat Bend	110mm x 54mm
GMVDF30	100mm Round to 90° Flat Bend	204mm x 60mm
GMVDF27	125mm Round to 90° Flat Bend	204mm x 60mm
GMVDF38	125mm Round to 90° Flat Bend	220mm x 90mm
GMVDF28	150mm Round to 90° Flat Bend	204mm x 60mm
GMVDF31	150mm Round to 90° Flat Bend	220mm x 90mm

Flat Duct Clips



GMVDF10/
GMVDF11

GMVDF12

- To provide support for flat ducting (horizontal or vertical)
- With 2 screw holes for securing to a surface

Part No	Description	Size
GMVDF10	Flat Duct Clip	110mm x 54mm
GMVDF11	Flat Duct Clip	204mm x 60mm
GMVDF12	Flat Duct Clip	220mm x 90mm

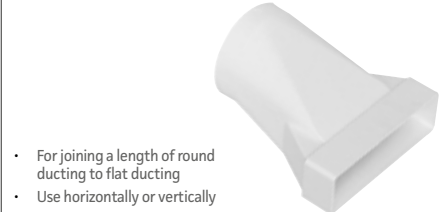
Flat Reducers



- For joining different sizes of flat ducting on a straight run

Part No	Description	Size
GMVDF40	Flat Reducer	204mm x 60mm - 110mm x 54mm
GMVDF2220R	Fitting Reducer	220mm x 90mm - 204mm x 60mm

Round to Flat Adapters



- For joining a length of round ducting to flat ducting
- Use horizontally or vertically

Part No	Description	Size
GMVDF32	100mm Round to Flat Adapter	110mm x 54mm
GMVDF33	100mm Round to Flat Adapter	204mm x 60mm
GMVDF39	125mm Round to Flat Adapter	204mm x 60mm
GMVDF34	150mm Round to Flat Adapter	220mm x 90mm

Trunking Accessories



- Perfect for taping the plastic ducting joints

- Silicone - For general industrial use
- Anti-fungal
- Stixall is a combined adhesive and sealant

Part No	Description	Colour	Size
GMT2WH	PVC Insulation Tape	White	50mm x 33mt
GMF3W	Silicone	White	310ml
GMSTIX	Stixall Grab Adhesive	White	290ml

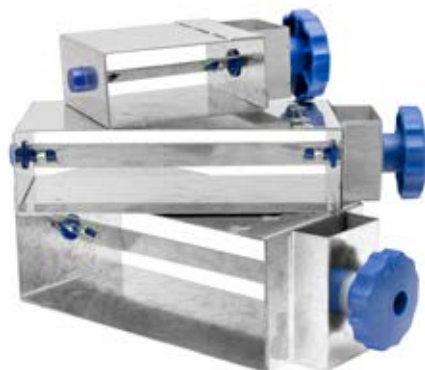
Air Brick



- Suitable for use with 204 x 60mm ducting system accessories and bends.
- Compliant with Part F of the Building Regulations.
- Suitable for commercial and domestic use.

Part No	Description	Size
GMVDF26	Air Brick	204mm x 60mm

Rectangular Single Blade Dampers for Plastic Ducting



- Rectangular single blade dampers are designed to control airflow through plastic ductwork
- The damper is designed to be a male fit to plastic ductwork, and is adjusted using an ergonomic blue plastic handle, which is lockable with a screw in the centre of the handle
- Manufactured from galvanised steel

Part No	Description	Size
GMVDF41	Rectangular Single Blade Damper	110mm x 54mm
GMVDF42	Rectangular Single Blade Damper	204mm x 60mm
GMVDF43	Rectangular Single Blade Damper	220mm x 90mm

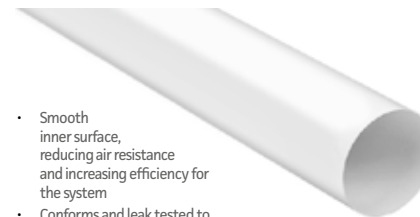
Fire Collar for Plastic Ducting



- The Fire Collars consist of a continuous pressed stainless steel flexible shell containing high performance graphite based intumescent material which reacts under the influence of heat to exert pressure on the ventilation duct as it softens to form a carbonaceous char which provides an effective insulation plug thus preventing smoke and fire passing through to the adjoining compartment
- The Fire Collar has built in fixing lugs which are used to secure it to the structure

Part No	Description	Size
GMFC110	Fire Collar for Plastic Ducting	110mm x 54mm
GMFC204	Fire Collar for Plastic Ducting	204mm x 60mm

Round Plastic Ducting



- Smooth inner surface, reducing air resistance and increasing efficiency for the system
- Conforms and leak tested to DW144 duct specification
- UV protected white PVC

Part No	Description	Size	Length
GMVDR2	Round Plastic Ducting	100mm	1.5 mt
GMVDR1215	Round Plastic Ducting	125mm	1.5 mt
GMVDR1515	Round Plastic Ducting	150mm	1.5 mt

Round 90° Bends



- For joining two lengths of round ducting at 90° to each other

Part No	Description	Size
GMVDR6	Round 90° Bend	100mm
GMVDR1290	Round 90° Bend	125mm
GMVDR1590	Round 90° Bend	150mm

Round Connectors



- Male fitting to fit inside & join two lengths of round ducting

Part No	Description	Size
GMVDR4	Round Connector	100mm
GMVDR12RC	Round Connector	125mm
GMVDR15RC	Round Connector	150mm

Round PVC Flexible Ducting



- Maximum flexibility for ducting runs
- Manufactured to EN13180 & BS476

Part No	Description	Size	Length
GMVF30A	Round PVC Flexible Ducting	100mm	3.0 mt
GMVF31A	Round PVC Flexible Ducting	100mm	45 mt

Round 45° Bends



- For joining two lengths of round ducting at 45° to each other

Part No	Description	Size
GMVDR7	Round 45° Bend	100mm
GMVDR1245	Round 45° Bend	125mm
GMVDR1545	Round 45° Bend	150mm

Round Hose Connector



- For joining round PVC flexi-ducting to rigid round plastic ducting

Part No	Description	Size
GMVDR5	Threaded Hose Connector c/w Socket	100mm

Round Equal Tees



- For joining three lengths of round ducting to each other

Part No	Description	Size
GMVDR8	Round Equal Tee	100mm
GMVDR12T	Round Equal Tee	125mm
GMVDR15T	Round Equal Tee	150mm

Back-Draught Shutters



- Prevents air from travelling back down the ducting
- Gravity operated

Part No	Description	Size
GMVDR10	Back-Draught Shutter	100mm
GMVDR12BDS	Back-Draught Shutter	125mm
GMVDR15BDS	Back-Draught Shutter	150mm

Plastic Grille - White



- Gravity operated back draught shutter for round ducting
- Removable blades for easy installation and cleaning
- Rain and weatherproof for external use
- Prevents air travelling back through the duct

Part No	Description	Size	Colour
GMVD1	Wall Outlet Gravity Flap	100m Dia. Spigot	White

Plastic Grille - Brown



- Gravity operated back draught shutter for round ducting
- Removable blades for easy installation and cleaning
- Rain and weatherproof for external use
- Prevents air travelling back through the duct

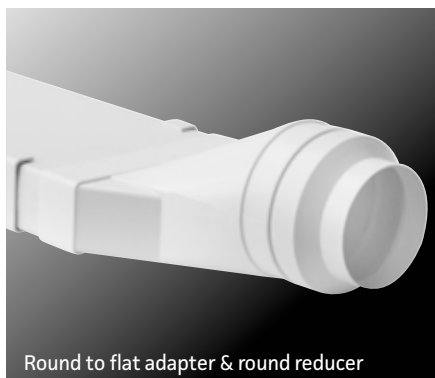
Part No	Description	Size	Colour
GMVD2	Wall Outlet Gravity Flap	100m Dia. Spigot	Brown

Round Reducers



- For joining round ducting of different diameters

Part No	Description	Size
GMVDR1210R	Round Ducting Reducer	125mm – 100mm
GMVDR1510R	Round Ducting Reducer	150mm – 100mm
GMVDR1512R	Round Ducting Reducer	150mm – 125mm



Round to flat adapter & round reducer

Plastic Cowl - White



- Gravity shutter combined with a cowl hooded wall vent baffle
- The best solution for preventing draughts, wind and rain from entering through the ducting system
- Removable hood for easy installation and cleaning

Part No	Description	Size	Colour
GMVD5	Cowled Wall Outlet c/w Damper	100m Dia. Spigot	White

Plastic Cowl - Brown



- Gravity shutter combined with a cowl hooded wall vent baffle
- The best solution for preventing draughts, wind and rain from entering through the ducting system
- Removable hood for easy installation and cleaning

Part No	Description	Size	Colour
GMVD6	Cowled Wall Outlet c/w Damper	100m Dia. Spigot	Brown

Round Duct Clips



- Single piece, easy to use mounting clip
- Locks together to form a tight bracket

Part No	Description	Size
GMVDR12	Round Duct Clip	100mm
GMVDR12C	Round Duct Clip	125mm

Round Plastic Wall Plate



- For use with circular ducts when mounting through walls
- Can also be used over a fan spigot
- For a neat and tidy end result where ducting goes through a wall

Part No	Description	Size
GMVDR9	Round Equal Tee	100mm

