



PRODUCT SPECIFICATION

Product: Mini Canal-(natural convection)

Duct:

Pre-assembled duct in Sendzimir galvanized steel plate of 1mm thick, c/w intermediate support brackets. This is to be provided with anthracite grey epoxy polyester finish, RAL 7024 - gloss degree 10%. Specified lengths to comprise suitable unitary lengths of up to 4900mm, or where longer lengths are required, separate units joined to form continuous lengths to suit site requirements.

The duct is to be complete with 6no pre perforated holes for pipework accommodation, which are to be covered with black blanking plugs. The trench is to be of sufficient quality to be provided with the manufacturer's 10 year guarantee.

Heat Exchanger:

Shall be manufactured from seamless copper tubes, fitted with aluminium fins. The fins shall provide high contact area to the tubes, guaranteeing optimum efficiency, across a wide range of flow & return water temperatures. The heat exchanger shall be complete with 2No. brass ½" BSP connections. Generally these shall be same end connections except where specified to the alternative, and be suitable for left or right hand installation.

The complete heat exchanger assembly shall be non-corrosive and the whole assembly shall be electro statically lacquered with dirt repellent and dust proof anthracite grey epoxy polyester lacquer RAL 7024 gloss degree 70%.

The heat exchanger shall be supplied complete with ½" BSP air vent & ½" BSP drain plug, and the whole assembly to be pressure tested to 20 bar, with a maximum working pressure of 10bar. The heat exchanger shall be of sufficient quality to be provided with the manufacturer's 30 year guarantee.

Frame:

The frame shall be constructed from reinforced 'L' profile or 'Z' profile, anodized aluminium, with a height of 31.5mm and a width of 24mm.

The frame shall be pre-mounted on the Mini Canal floor duct, but be removable to avoid deformation during installation or floor construction.

The frame shall be supplied to the specified finish and colour. Where a lacquered colour is specified, it shall be lacquered in a scratch resistant epoxy- polyester powder, sprayed electro statically, and baked to 200 degrees C. The colour shall be UV resistant due to ASTM G53. The frame shall be of sufficient quality to be provided with the manufacturer's 10 year guarantee.

Roll-Up Designo Wooden Grille:

Shall be constructed from natural or varnished wooden planed and sanded slats placed crossways (12mm wide x 25mm high) with 13mm space between. The grille shall be supported by the 'L' or 'Z' profile frame. The grille will have horizontal slats connected with multiple lengthways stainless steel spring (6mm diameter) over its entire length covered with an 11mm diameter anodized aluminium spacing ring between each slat. Each grille will be so constructed as to be able to 'Roll-Up' to give full access to the trench and have a free air flow of not less than 52% with a correction factor of 0.93 to be applied to the Mini Canal output.

The grille shall be of sufficient quality to be provided with the manufacturer's 10 year guarantee.



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Roll-Up Wooden Grille:

Shall be constructed from natural or varnished wooden planed and sanded slats placed crossways (12mm wide x 25mm high) with 20mm space between. The grille shall be supported by the 'L' or 'Z' profile frame. The grille will have horizontal slats connected with multiple lengthways stainless steel spring (6mm diameter) over its entire length covered with an 17mm diameter dark brown plastic spacing ring between each slat. Each grille will be so constructed as to be able to 'Roll-Up' to give full access to the trench and have a free air flow of not less than 63% with a correction factor of 0.97 to be applied to the Mini Canal output.

The grille shall be of sufficient quality to be provided with the manufacturer's 10 year guarantee.

Roll-Up Aluminium Grille:

Shall be constructed from anodized aluminium profiled slats placed crossways (5mm wide x 23mm high) with 10mm space between. The grille shall be supported by the 'L' or 'Z' profile frame. The grille will have horizontal slats connected with multiple lengthways stainless steel spring (6mm diameter) over its entire length covered with an 11mm diameter anodized aluminium spacing ring between each slat. Each grille will be so constructed as to be able to 'Roll-Up' to give full access to the trench and have a free air flow of not less than 70% with no correction factor to be applied to the Mini Canal output.

The grille shall be supplied to the specified finish and colour. The grille shall be of sufficient quality to be provided with the manufacturer's 10 year guarantee.

Roll-Up Stainless Steel Grille:

Shall be constructed from high grade stainless steel profiled slats placed crossways (8mm wide x 18mm high) with 13mm space between. The grille shall be supported by the 'L' or 'Z' profile frame. The grille will have horizontal slats, complete with mounted black rubber strip(5mm deep) to cover the bottom edge of the frame to avoid contact noises, connected with multiple lengthways stainless steel spring (6mm diameter) over its entire length covered with an 11mm diameter anodized aluminium spacing ring between each slat. Each grille will be so constructed as to be able to 'Roll-Up' to give full access to the trench and have a free air flow of not less than 60% with a correction factor of 0.96 to be applied to the Mini Canal output.

The grille shall be supplied to natural stainless steel finish and colour. The grille shall be of sufficient quality to be provided with the manufacturer's 10 year guarantee.

Designo Rigid Aluminium Grille:

Shall be constructed from anodized aluminium profiled slats placed lengthways (5mm wide x 16mm high) with 9mm space between. The slats shall be mechanically connected with crossways supporting slats (5mm wide x 27mm high) with maximum 305mm space between, and be so constructed as to have a free air flow of not less than 62.5% with a correction factor of 0.97 to be applied to the Mini Canal output.

The grille shall be supplied to the specified finish and colour. Where a lacquered colour is specified, it shall be lacquered in a scratch resistant epoxy- polyester powder, sprayed electro statically, and baked to 200 degrees C. The colour shall be UV resistant due to ASTM G53. The grille shall be of sufficient quality to be provided with the manufacturer's 10 year guarantee.



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Rigid Aluminium Grille:

Shall be constructed from anodized aluminium profiled slats placed crossways (5mm wide x 16mm high) with 14mm space between. The slats shall be mechanically connected with crossways supporting slats (5mm wide x 27mm high) with maximum 305mm space between, and be so constructed as to have a free air flow of not less than 75% with no correction factor to be applied to the Mini Canal output.

The grille shall be supplied to the specified finish and colour. Where a lacquered colour is specified, it shall be lacquered in a scratch resistant epoxy- polyester powder, sprayed electro statically, and baked to 200 degrees C. The colour shall be UV resistant due to ASTM G53. The grille shall be of sufficient quality to be provided with the manufacturer's 10 year guarantee.

Roll-Up Accordion Aluminium Grille:

Shall be constructed from curved anodized aluminium profiled slats placed crossways, matched in ranks (6mm wide x 24mm high) with 14mm space at one end. The grille shall be supported by the 'L' or 'Z' profile frame. The grille will have horizontal slats connected with multiple lengthways stainless steel spring (6mm diameter) over its entire length covered with an 12mm diameter anodized aluminium spacing ring between each slat. Each grille will be so constructed as to be able to 'Roll-Up' to give full access to the trench and have a free air flow of not less than 55% with a correction factor of 0.75 to be applied to the Mini Canal output.

The grille shall be supplied in the natural colour. The grille shall be of sufficient quality to be provided with the manufacturer's 10 year guarantee.

Rigid Pebble Grille:

Shall be constructed from cast aluminium profiled with 'pebble' pattern tile effect (approximately 10mm diameter) with a maximum length of 500mm per grille tile. The grille is 10mm deep with 14mm grommets on the underside to reduce the impact noise. The grilles have a pattern of holes which can be matched at the joints so that the seams are barely visible, with a 20mm gap all around the edge, and be so constructed as to have a free air flow of not less than 66% with a correction factor of 0.85 to be applied to the Mini Canal output.

The grille shall be supplied to the specified colour, it shall be sandblasted and lacquered in a scratch resistant epoxy- polyester powder, sprayed electro statically, and baked to 200 degrees C. The colour shall be UV resistant due to ASTM G53. The grille shall be of sufficient quality to be provided with the manufacturer's 10 year guarantee.

Note:

Each measured trench duct supplied, shall come complete with factory pressure tested heat exchanger, grille, frame and height adjusters, ready to install.

Connection sets for hydraulic connections are available, please contact **JAGA HEATING PRODUCTS (U.K.) Ltd.**