

A twin wall insulated stainless steel multi fuel chimney system, offering the ultimate in ease of installation, quality and functionality.

Application?

Nova is a multi-fuel pre-fabricated chimney system covering residential and commercial / industrial applications from 100ID to 600ID internal diameter. For residential application, Nova is the ideal product for solid fuel application such as the latest pellet stoves, traditional wood burning stoves right the way up to commercial biomass installations. With the addition of seals, Nova is also suitable for the latest high efficiency condensing gas appliances.

Is Nova CE marked?

Nova is CE Marked to BS EN 1856-1 for metal system chimneys and BS EN 1856-2 for use as a connecting flue or where the chimney passes through a timber frame construction. The performance designation is as follows:-

0086-CPD-496040 Nova BS EN 1856-1 T450 N1 D V2 L50050 G(50)

0086-CPD-496040 Nova BS EN 1856-1 T200 P1 W V2 L50050 O(50)

Can anyone install Nova?

Yes, Nova is probably the most installer friendly products on the market due to its simplicity of joint design and strength. In the UK, connection to an appliance which is not connected to a fuel supply may be carried out by a competent person. It is a requirement however that work undertaken by a competent person must be signed off by the local Building Control office. Alternatively for solid fuel appliance a professional heating engineer who is HETAS registered can undertake the installation for you. Where the appliance is connected to a fuel supply, then the installation must be carried out by a registered heating engineer, e.g. Gas Safe(Gas), OFTEC(Oil). In all cases both the appliance and Nova installation instructions must be strictly adhered to.

Do I need any special tools?

No, Nova is a user friendly, twist lock system with locking bands. Nova offers a complete range of components, much like a Meccano kit design to meet the requirements of most installation requirements. A basic toolbox consisting of a spanner collection, screwdrivers, spirit level and drills is more than adequate. Always wear safety gloves when handling metal products.

How do the components fit together?

Nova is a very simple, twist lock system. Simply engage the female end over the preceding male end and lock it into position by twisting it clockwise. Next install the locking band over the centre of the joint, close the toggle and strike. For vibrating appliances such as generators, it is considered good practice to lock wire the locking bands through the holes in the toggle and strike set. Ensure that the male end of the product is orientated up.

A twin wall insulated stainless steel exhaust vent, specifically designed for today's high performance appliances.

Do I need to tape the joints?

No, this is unnecessary. Nova either works on the principle of negative pressure where the flue system draws a negligible quantity of air into the flue via the joints, or by positive pressure using the lip seals provided with each component.

What if I want to remove the appliance later?

Nova has in its range, adjustable lengths, which can be compressing to allow for disconnection of the appliance, whilst leaving the proceeding flue system unaffected. Adjustable lengths are not load bearing and therefore have to be supported from above by using a fixing such as a Support Plate.

I need to install Nova on an external wall that is exposed to cold winds, is this ok?

Yes, Nova has been tested and tortured to extremes in our in-house wind-load testing facility. Nova is suitable for internal and external use with its excellent insulation properties and bracketry system that is able to withstand wind speeds of up to 110mph without damage. Due to the 16-barb coupler system, Nova is incredibly strong and has a free-standing height of up to 3 metres without the need for additional Structural Locking Bands. Please refer to installation literature for detailed application.

At what distances will I need to install support components on the chimney system?

A wall support bracket must be used to take the vertical weight of the chimney. The maximum distance between lateral supports for both internal and external applications is 4 metres and the unsupported length above the last support should not exceed 3 metres (this will be reduced to 1.5 metres if elbows or any other fitting is installed within the last 4 metres of the chimney).

Can Nova be used on condensing appliances?

Yes, providing seals have been used. Where seals are used they should be lubricated prior to making the joint, SFL provides a lubricant for this purpose (Part Number 3107500). It is advisable that the seal is bonded to the inner seal recess using a silicon adhesive and allowed to cure prior to lubricating and making good the joint. The Nova system incorporates a number of components specific to condensing applications such as drains, 93° - 95° Tees, 85° - 87° Elbows and Vertical / Horizontal Duct Drains. In all instances where Nova is installed on a condensing system, any horizontal run should be inclined to a minimum of 3° to allow for the back flow of condensation through the system to suitable drain points.

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Is it necessary to provide an air supply?

Yes. Adequate ventilation is a regulatory requirement and should always be accounted for. Information pertaining to the ventilation requirements for the air supply such be as detailed in the appliance manufacturer's installation instructions, Building Regulations or applicable British / European Standards. The air supply is critical to the safe operation of the system by ensuring the correct venting and combustion conditions.

Can Nova be painted?

Nova as standard is available in either its natural stainless steel finish or factory coated satin black architectural powder coating. SFL have invested heavily in our own dedicated powder coating facility at our manufacturing facility in Barnstaple. By process standardisation and in-house quality control, our powder coated finish is highly durable and offers superior performance against UV radiation and the external environment. Should other colours be required, SFL would advise that expert advice is sought from a professional coating specialist.

PLEASE ALWAYS REFER TO THE MANUFACTURERS INSTALLATION INSTRUCTIONS BEFORE ATTEMPTING THE INSTALLATION OF THE PRODUCT. IF YOU HAVE ANY FURTHER TECHNICAL QUESTIONS, OUR TECHNICAL SUPPORT TEAM WILL BE ABLE TO HELP.

