

# NOVA®

Twin Wall Insulated Chimney System



British Built  
Flue System



Residential  
&  
Commercial



100-355mm  
Diameter



Twist-Lock  
Jointing System



Multi-Fuel  
Appliances



P1 / H1  
Rating



Fire Rated  
EN1366-13



Approved  
Product



20  
Year Product  
Warranty

## NOVA® is a British built pre-fabricated twin-wall insulated stainless steel chimney system, CE and UKCA certified to BS EN 1856-1/2.

Suitable for condensing and positive pressure applications and is specifically designed to meet the demands of the latest high-efficiency heating appliances as well as traditional multi-fuel combustion equipment.

NOVA is available in 8 internal diameters, ranging from 100mm to 355mm. With a wide range of components, together with a strong 16-barb twist-lock jointing system, NOVA offers the ultimate in ease of installation and functionality. With its strong joint design, NOVA can achieve a maximum unsupported height of 3.0 metres above the last support (2.0 m for DN100), without the need for structural locking bands.

As standard, NOVA is suitable for flue gas temperatures up to 600°C where the chimney is designed to operate under natural draught and dry conditions. With the addition of a retrofit elastomer seal, the range of application is extended, and the product is capable of positive pressure applications of up to 5000Pa(H1), subject to the performance characteristics given in Table A. This makes NOVA an ideal solution for condensing appliances and other applications where the chimney operates under positive pressure or wet condensing conditions.

NOVA XL extends the diameter range by a further 5 sizes, covering 400mm to 600mm internal diameter, please refer to separate NOVA XL brochure.

### Typical Applications

- Biomass
- Gas/Oil Boilers
- CHP
- Pizza Ovens
- Bakery Ovens
- Coffee Roasters
- Fire Rated Compartments



PRODUCT &  
DOWNLOADS  
QR CODE

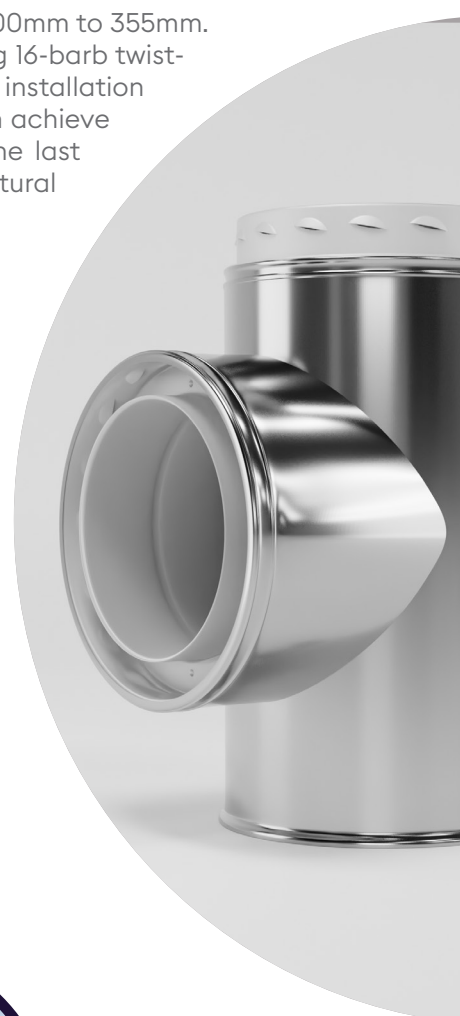


Table A

NOVA® Product Designations to BS EN 1856-1/2							
Standard Number	Diameter Range	Temperature Class	Pressure Class	D = Dry W = Wet	Corrosion Class	Material Specification Liner Grade 316L Liner Thickness 0.5	Sootfire Resistance G= Yes O= No
BS EN 1856-1	DN100 - DN355	T600	NI	D	V3	L50050	G(XX)
BS EN 1856-1	DN100-DN355	T450	NI	D	V3	L50050	G(XX)
BS EN 1856-1	DN100-DN355	T200	PI	W	V2	L50050	O(XX)
BS EN 1856-1	DN100-DN200	T160	H1	W	V2	L50050	O(XX)
BS EN 1856-2	DN100 - DN355	T450	NI	D	V3	L50050	G(XX)
BS EN 1856-2	DN100 - DN355	T200	PI	W	V2	L50050	O(XX)

**Notes**

- (1) PI & H1 rating require elastomer seals to be fitted
- (2) Distance to combustible material (XX) - DN100-DN300 = 50mm DN355 = 75mm
- (3) With the exception of T600 all other designations have been tested within a combustible enclosure  
T600 is only rated for unenclosed application in an open environment

**Approvals**

NOVA is CE and UKCA certified to BS EN 1856-1/2, certificate no. 2797-CPR-496040, 2797-CPR-559419 and 0086-CPR740592, 0086-CPR-740593 respectively to the performance designations as detailed in Table A above.

**Fire Resistance**

NOVA has been tested to BS EN 1366-13 Fire Resistance Tests for Service Installations (Chimneys) achieving the following classification to BS EN 13501-2.

**EI 90 (i→o) h<sub>o</sub> v<sub>e</sub> Type A**

The integrity has also been assessed for a period of 4 hours under the general principles of BS 476 Part 20.

**Quality**

All components are manufactured under a Quality Management System, certificate No. FM557622, administered by British Standards in accordance with BS EN 9001:2015.

**Construction**

NOVA is fabricated with a laser welded 0.5mm 316L (1.4404:X2CrNiMo 17-12-2) stainless steel inner liner and a grade 304 (1.4301:X5CrNi18-10) outer case. The product features a high-performance insulation that is auger injected into the 25mm annulus to a density of 250Kg/m<sup>3</sup>, offering rapid stabilisation of draught and thermal performance. The unique joint design allows in inner liner to expand and contract throughout the system, eliminating the need for additional expansion components.

Condensate and pressure resistance, if the application demands, is achieved using a retrofit three lip elastomer seal located in the liner of the male end. The joint is finished with a locking band supplied as standard with the component.

**Warranty**

NOVA® is backed by a comprehensive 20-year manufacturing defects warranty. The 20-year warranty is a measure of our confidence in the manufactured quality and installed reliability of our flue systems and gives added peace of mind for any installation.



**IMPORTANT (Always Read The Installation Instructions)**

For detailed information regarding design, installation and application of this product, please refer to the separate installation instructions available on the website which can also be accessed from the QR code.

**Partner with us, succeed together.**

Do you need any assistance with your residential or commercial flue project? Our team of experts are on hand to help you at every stage. We offer design assistance, site surveys and work with experienced installers who offer full turnkey packages tailored to your needs.

www.sflchimneys.com  
info@sflchimneys.com  
01271 326633