



Fire protection implementation

LUX-NOVA

DESCRIPTION

Variable shortenable wall, ceiling and roof duct for carrying out chimneys flues and connecting pieces

Variant 1: with pipe cut

Variant 2: without pipe cut

MATERIAL

Housing made of temperature resistant fireproof material

NOMINAL DIAMETER (DN)

Up to DN 250 mm

INSTALLATION DIMENSIONS

430 x 430 mm, 480 x 480 mm (measure B),

Length up to 496 mm (measure A)

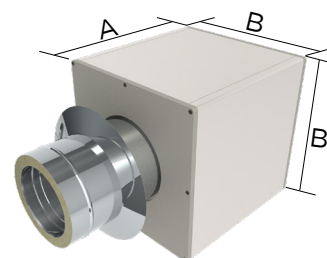
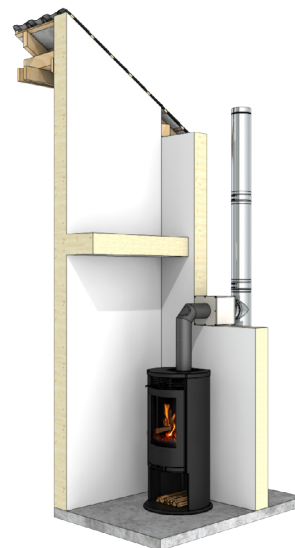
Up to 530 x 530 mm (only LUX-NOVA variant 2)

Length up to 496 mm (measure A) as wall feed-through

 Length up to 1000 mm (dimension A) as ceiling/roof feed-through depending on degree number (see approval)

WALL THICKNESS

of penetrated walls, ceilings or roof:
up to max. 496 mm



CHARACTERISTICS

- Only 140 mm from inner tube to combustible materials
- Fast and easy installation
- Also suitable for later installations
- Can be fitted with each exhaust system (EW, DW) and each stovepipe
- Suitable for passive and low-energy houses with a special adapter rubber for vapor barrier (blower door test-capable)
- Compact ready solution
- Industrially manufactured with consistent quality fire protection
- Individual wall thicknesses and roof pitches practicable
- Length adaptable on site
- Simple and secure connection with the building structure by stable outer shell

APPLICATION

- Penetration designed for walls made of combustible materials
- Meets the requirements of the combustion regulations of German federal states and of DIN 18160-1
- Certified for flue pipes of exhaust systems or chimneys up to temperature classification T400
- Developed for use in inside and exterior walls
- Significant reduction of the lateral distance for pipe penetrations compared to FeuVo

LICENSE NUMBER

Z - 7.4 - 3487

CLASSIFICATION

T400 - L_A00

WALL PENETRATIONS / ROOF PENETRATIONS 0°

	DN Ø smoke pipe in mm	Component length in mm, Dimension A	External dimensions in mm dimension b	EW pipe cutout in mm	Price EW - Variant *1		DN Ø smoke pipe in mm	Component length in mm, Dimension A	External dimensions in mm dimension b	EW pipe cutout in mm	Price EW - Variant
LUX-NOVA-GP-EW12Ø	130	120	430x430	140	319,00 €	LUX-NOVA-GP-DW12Ø	130	120	430x430	210	319,00 €
LUX-NOVA-GP-EW24Ø	130	240	430x430	140	376,00 €	LUX-NOVA-GP-DW24Ø	130	240	430x430	210	376,00 €
LUX-NOVA-GP-EW36Ø	130	360	430x430	140	568,00 €	LUX-NOVA-GP-DW36Ø	130	360	430x430	210	568,00 €
LUX-NOVA-GP-EW40Ø	130	400	430x430	140	637,00 €	LUX-NOVA-GP-DW40Ø	130	400	430x430	210	637,00 €
LUX-NOVA-GP-EW50Ø	130	496	430x430	140	734,00 €	LUX-NOVA-GP-DW50Ø	130	496	430x430	210	734,00 €
LUX-NOVA-GP-EW12Ø	150	120	430x430	160	319,00 €	LUX-NOVA-GP-DW12Ø	150	120	430x430	230	319,00 €
LUX-NOVA-GP-EW24Ø	150	240	430x430	160	376,00 €	LUX-NOVA-GP-DW24Ø	150	240	430x430	230	376,00 €
LUX-NOVA-GP-EW36Ø	150	360	430x430	160	568,00 €	LUX-NOVA-GP-DW36Ø	150	360	430x430	230	568,00 €
LUX-NOVA-GP-EW40Ø	150	400	430x430	160	637,00 €	LUX-NOVA-GP-DW40Ø	150	400	430x430	230	637,00 €
LUX-NOVA-GP-EW50Ø	150	496	430x430	160	734,00 €	LUX-NOVA-GP-DW50Ø	150	496	430x430	230	734,00 €
LUX-NOVA-GP-EW36Ø	160	360	480x480	170	637,00 €	LUX-NOVA-GP-DW36Ø	160	360	480x480	240	637,00 €
LUX-NOVA-GP-EW40Ø	160	400	480x480	170	677,00 €	LUX-NOVA-GP-DW40Ø	160	400	480x480	240	677,00 €
LUX-NOVA-GP-EW50Ø	160	496	480x480	170	781,00 €	LUX-NOVA-GP-DW50Ø	160	496	480x480	240	781,00 €
LUX-NOVA-GP-EW12Ø	180	120	480x480	190	334,00 €	LUX-NOVA-GP-DW12Ø	180	120	480x480	260	334,00 €
LUX-NOVA-GP-EW24Ø	180	240	480x480	190	417,00 €	LUX-NOVA-GP-DW24Ø	180	240	480x480	260	417,00 €
LUX-NOVA-GP-EW36Ø	180	360	480x480	190	637,00 €	LUX-NOVA-GP-DW36Ø	180	360	480x480	260	637,00 €
LUX-NOVA-GP-EW40Ø	180	400	480x480	190	678,00 €	LUX-NOVA-GP-DW40Ø	180	400	480x480	260	677,00 €
LUX-NOVA-GP-EW50Ø	180	496	480x480	190	781,00 €	LUX-NOVA-GP-DW50Ø	180	496	480x480	260	781,00 €
LUX-NOVA-GP-EW12Ø	200	120	480x480	210	334,00 €	LUX-NOVA-GP-DW12Ø	200	120	480x480	280	334,00 €
LUX-NOVA-GP-EW24Ø	200	240	480x480	210	417,00 €	LUX-NOVA-GP-DW24Ø	200	240	480x480	280	417,00 €
LUX-NOVA-GP-EW36Ø	200	360	480x480	210	637,00 €	LUX-NOVA-GP-DW36Ø	200	360	480x480	280	637,00 €
LUX-NOVA-GP-EW40Ø	200	400	480x480	210	677,00 €	LUX-NOVA-GP-DW40Ø	200	400	480x480	280	677,00 €
LUX-NOVA-GP-EW50Ø	200	496	480x480	210	781,00 €	LUX-NOVA-GP-DW50Ø	200	496	480x480	280	781,00 €

*1 For single-walled pipes, please always order insulation shell FU39-25!

- Please note that adhesive L69-1 is always included.
- LUX-NOVA including insulation shell is also available as a SET. Order-code: LUXNOVAGP-EW...-SET

FACT-BOX LUX-NOVA Variant 1

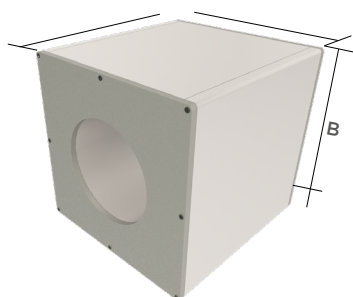
- Quick and easy installation
- Also suitable for subsequent installation on the construction site
- Can be used with any exhaust system (stainless steel single-walled and double-walled, stove pipes)
- Tested and approved max. installation length 496 mm
- Individual wall thicknesses can be achieved
- Length can be shortened on site to 72 mm
- Simple and secure connection to the building structure thanks to stable outer cover
- All penetrations are already pre-primed so that the vapor barrier film can be attached using a sealing sleeve
- The change from double-walled to single-walled can take place within the penetration or with DW-Length element with integrated wall lining
- Individual custom-made products with length adjustment and pipe cutout can be delivered ready-made according to customer requirements (see accessories table)



Fire protection implementation

LUX-NOVA

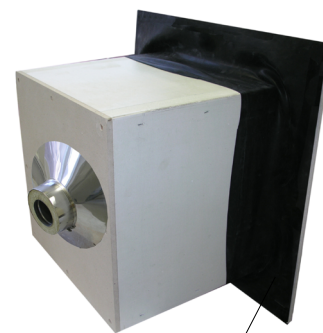
LUX-NOVA1551	Surcharge for customised length	87,00 €
LUX-NOVAPLEW130	Cover plate 630x630mm for LUX-NOVA 430x430mm with pipe cutout	162,00 €
LUX-NOVAPLEW150	Cover plate 630x630mm for LUX-NOVA 430x430mm with pipe cutout	162,00 €
LUX-NOVAPLEW160	Cover plate 680x680mm for LUX-NOVA 480x480mm with pipe cutout	173,00 €
LUX-NOVAPLEW180	Cover plate 680x680mm for LUX-NOVA 480x480mm with pipe cutout	173,00 €
LUX-NOVAPLEW200	Cover plate 680x680mm for LUX-NOVA 480x480mm with pipe cutout	173,00 €
LUX-NOVAPLDW130	Cover plate 630x630mm for LUX-NOVA 430x430mm with pipe cutout	162,00 €
LUX-NOVAPLDW150	Cover plate 630x630mm for LUX-NOVA 430x430mm with pipe cutout	162,00 €
LUX-NOVAPLDW160	Cover plate 680x680mm for LUX-NOVA 480x480mm with pipe cutout	173,00 €
LUX-NOVAPLDW180	Cover plate 680x680mm for LUX-NOVA 480x480mm with pipe cutout	173,00 €
LUX-NOVAPLDW200	Cover plate 680x680mm for LUX-NOVA 480x480mm with pipe cutout	173,00 €
LUX-NOVA1556.01	Special seal 0-22° 430x430mm Set including silicone adhesive	140,00 €
LUX-NOVA1556.02	Special seal 0-22° 480x480mm Set including silicone adhesive	142,00 €
LUX-NOVAABS1050X1050	Heat radiation shield plate for 1050x1050x25mm for flammable wall	352,00 €
LS69-1	Glue (Tube 1000g)	14,00 €



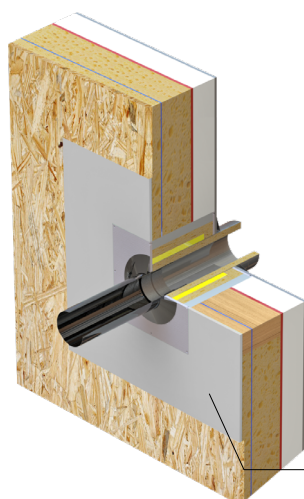
Example:
LUX-NOVA with Ø pipe cutout
140 mm for EW or
210 mm for DW



Accessories: Optionally, the wall duct can be ordered with connection plate for easier connection of the on-site vapor barrier and/or the special seal and fastening to the wall



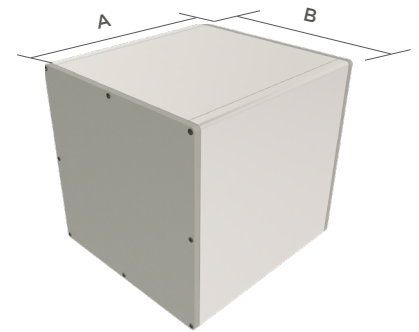
Accessories: Special seal for connection to existing vapor barrier or in combination with connection plate



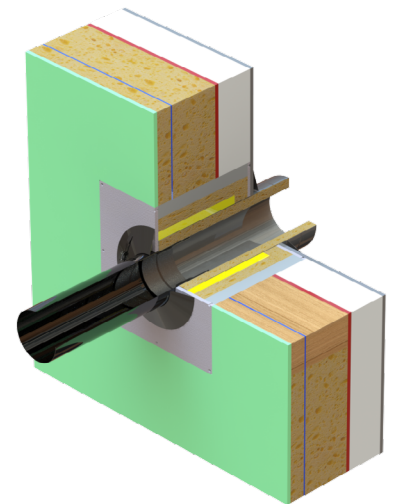
Accessories: Radiation protection plate for combustible wall

WALL PENETRATIONS / ROOF PENETRATIONS 0°

	DN Ø smoke pipe in mm	Component length in mm Dimension A	Outsideabmessungen in mm Maße B	Price
LUX-NOVA-GP-200.1	up to 150	200	430x430	408,00 €
LUX-NOVA-GP-400.1	up to 150	400	430x430	526,00 €
LUX-NOVA-GP-500.1	up to 150	500	430x430	625,00 €
LUX-NOVA-GP-200.2	160-200	200	480x480	436,00 €
LUX-NOVA-GP-400.2	160-200	400	480x480	578,00 €
LUX-NOVA-GP-500.2	160-200	500	480x480	680,00 €
LUX-NOVA-GP-200.3	225-250	200	530x530	465,00 €
LUX-NOVA-GP-400.3	225-250	400	530x530	613,00 €
LUX-NOVA-GP-500.3	225-250	500	530x530	735,00 €



LUX-NOVA without pipe cutout



LUX-NOVA

ACCESSORIES

LUX-NOVA1551	Surcharge for customised length	87,00 €
LUX-NOVA1552	Surcharge for customised round hole both sides	87,00 €
LUX-NOVA1430	Cover plate 630x630mm for LUX-NOVA without pipe cutout	103,00 €
LUX-NOVA1480	Cover plate 680x680mm for LUX-NOVA without pipe cutout	117,00 €
LUX-NOVA1530	Cover plate 730x730mm for LUX-NOVA without pipe cutout	127,00 €
LUX-NOVA1556.01	Special seal 0-22° 430x430mm Set including silicone adhesive	140,00 €
LUX-NOVA1556.02	Special seal 0-22° 480x480mm Set including silicone adhesive	142,00 €
LUX-NOVA1556.03	Special seal 0-22° 530x530mm Set including silicone adhesive	145,00 €
LUX-NOVAAB-S1050X1050	Heat radiation shield plate for 1050x1050x25mm for flammable wall	352,00 €
LS69-1	Glue (Tube 1000g)	14,00 €

Special seal for vapor barrier

When installing in a low-energy, passive or timber-frame prefabricated house, the fire protection duct must be connected to the vapor barrier film.

Depending on the outside dimensions of the duct, we offer special seals in different sizes as accessories. These are supplied together with a suitable silicone adhesive.

Together with the optionally available connection plate, a clean on-site seal can be created in order to meet the requirements of the blower door test.

FACT-BOX LUX-NOVA Variant 2

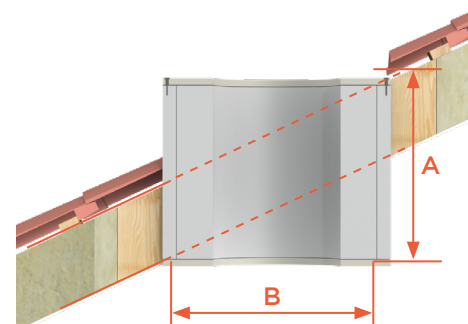
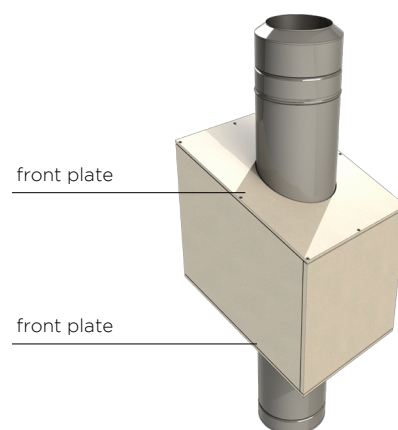
- Hole cutouts in the desired size can be made on site
- Can be used for different diameters, so little storage is required
- The hole cutout can be moved from the middle of the wall duct, provided that it is ensured that the distance from the exhaust gas-carrying inside pipe to the combustible component or to the outside dimension of the wall duct is not less than 140 mm at any point (see "the right size")
- Installation as a blind wall duct for later connection possible
- Quick and easy installation
- Also suitable for subsequent installation on the construction site
- Can be used for various exhaust systems (stainless steel single-walled and double-walled, stove pipes)
- Tested and approved for a maximum installation length of 496 mm
- Individual wall thicknesses and roof pitches can be realized (see accessories table)
- Length can be adjusted on site
- Simple and secure connection to the building structure thanks to stable outside cover
- All ducts are already pre-primed so that the vapor barrier film can be attached using a sealing sleeve
- The change from double-walled on single-walled can take place within the feedthrough or with DW-Length element with integrated wall lining
- Individual custom-made products with length adjustment, pipe cutouts and bevel cuts can be delivered ready-made according to customer requirements (see accessories table)



Fire protection implementation LUX-NOVA

ROOF PENETRATION FOR PITCHED ROOF

	DN Ø smoke pipe in mm	Component length in mm Dimension A Others on request	Outside dimensions in mm Dimensions B	Price
LUX-NOVA-GP-600.1	up to 150	600	430x430	632,00 €
LUX-NOVA-GP-1000.1	up to 150	1000	430x430	926,00 €
LUX-NOVA-GP-600.2	160-200	600	480x480	693,00 €
LUX-NOVA-GP-1000.2	160-200	1000	480x480	980,00 €
LUX-NOVA-GP-600.3	*1 225-250	600	530x530	750,00 €
LUX-NOVA-GP-1000.3	*1 225-250	1000	530x530	1.077,00 €



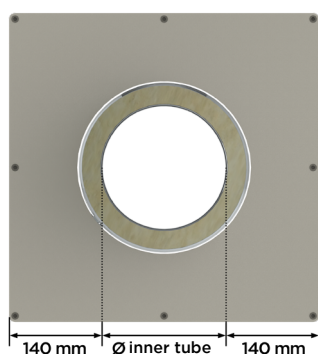
ACCESORIES

LUX-NOVA1553	Surcharge for bevel cut up to 45°	173,00 €
LUX-NOVA1554	Surcharge for bevel cut over 45°	259,00 €
LUX-NOVA1555	Surcharge for double-sided cutout elliptical	173,00 €
LUX-NOVA1556.01	Special seal 0-22° 430x430mm Set including silicone adhesive	140,00 €
LUX-NOVA1556.02	Special seal 0-22° 480x480mm Set including silicone adhesive	142,00 €
LUX-NOVA1556.03	Special seal 0-22° 530x530mm Set including silicone adhesive	145,00 €
LUX-NOVA1557.01	Special seal 23-45° Set including silicone adhesive	141,00 €
LUX-NOVA1557.02	Special seal 23-45° Set including silicone adhesive	145,00 €
LUX-NOVA1557.03	Special seal 23-45° Set including silicone adhesive	147,00 €

SPECIAL: PITCHED ROOF

When routing exhaust gases through a pitched roof, the roof pitch must be taken into account when selecting the appropriate fire protection duct. The greater the roof pitch, the greater the required length (dimension A) of the LUX-NOVA. The corresponding bevel cut as well as the elliptical pipe cut-out must be ordered from us as an additional service.

Calculation of the required component length:
 $A = (\text{outside width } B \times \tan \text{ roof pitch}) + (\text{vertical component depth } C / \sin (90^\circ \text{ roof pitch}))$



THE RIGHT SIZE

For our fire protection ducts, the minimum distance between the exhaust pipe and combustible components is 140 mm. If the pipe cutout is installed centrally, the required outside dimensions of the fire protection duct are calculated as pipe diameter + 280 mm. If the pipe cutout is eccentric, the deviation from the center point must be added accordingly. The distance must not be less than 140 mm on any side.

Please note that the minimum distances only apply to the combustible wall structure or the combustible components in the wall. The wall cladding must at least correspond to Appendix 2 - Pos. 1 of approval Z - 7.4 - 3487.

*1 Please inquire about delivery time separately.

Please note that adhesive L69-1 is always included.

LUX-NOVA including insulation shell is also available as a SET. Order code: LUX-NOVA-GP-EW...-SET