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UMK CHIMNEYS CATALOGUE



Ural character in every detail

2017

At the present time our company is a big holding that consists of several trade, project and production companies



Wholesale network across Russia, Kazakhstan and Latvia

- | | | | | | |
|-----------------|------------------|--------------------|-----------------|----------------|-----------------|
| Abakan | Verkhnyaya Tura | Kokshetau | Nizhnevartovsk | Revda | Talitsa |
| Alapaevsk | Vladivostok | Kostroma | Nizhny Novgorod | Riga | Tver |
| Almaty | Volgograd | Krasnodar | Nizhny Tagil | Samara | Tobol'sk |
| Aramil | Voronezh | Krasnoturinsk | Nizhnyaya Tura | St. Petersburg | Togliatti |
| Artemovskiy | Vyatskie Polyany | Krasnoufimsk | Novosibirsk | Sarapul | Tomsk |
| Arkhangelsk | Glaziv | Krasnoyarsk | Novouralsk | Saratov | Turinsk |
| Asbest | Dimitrovgrad | Kumertau | Noyabrsk | Satka | Tyumen |
| Astana | Ekaterinburg | Kurgan | Nyagan | Serov | Ulan-Ude |
| Astrakhan | Zarechny | Kushva | Nyazepetrovsk | Sovetsky | Ufa |
| Asha | Zelenogorsk | Lensk | Omsk | Solikamsk | Ukhta |
| Balakovo | Zlatoust | Lysva | Orenburg | Sochi | Khabarovsk |
| Belgorod | Izhevsk | Magadan | Orsk | Stary Oskol | Khanty-Mansiysk |
| Beloretsk | Irbit | Magnitogorsk | Penza | Strezhevoy | Cheboksary |
| Berezniki | Irkutsk | Miass | Pervouralsk | Сургут | Chelyabinsk |
| Berezovsky | Ishim | Moscow | Perm | Sukhoi Log | Chernushka |
| Blogoveshchensk | Kazan | Naberezhnye Chelny | Petropavlovsk | Sizran | Chita |
| Veliky Ustyug | Kemerovo | Nevyansk | Pohvistnevo | Sysert | Shadrinsk |
| Verkhny Ufaley | Kirov | Nefteyugansk | Rostov on Don | Tavda | Engels |

Our dealer network 100 pechey.ru with branches



Ekaterinburg,
Aramil, Chelyabinsk,
Ufa, Samara, Perm,
Irkutsk, Surgut, Tyumen,
Krasnodar, Pyatigorsk, Turinsk, Kurgan,
Krasnoyarsk, Ulan-Ude, Novosibirsk,
Omsk, Irkutsk and Kazan

Two most significant departments:



Project department
is engaged in the design and development of
new, modern chimneys



Production company
is engaged in the production of single- and
double-wall chimneys



We use **vermiculite** in insulation of our chimneys

The material has heat and sound insulation properties, **is non-toxic, does not rot and prevents the spread of mold.**

Vermiculite is a mineral from the group of hydromica of a layered structure, the grains of it are shiny with lamellar structure, can have brown, golden, silver or red color of various shades.

Unique technical characteristics of vermiculite are temperature and fire resistance, reflectivity, chemical inertness. Expanded vermiculite has a number of advantages over many thermal insulation materials:



Is used in heat insulation with temperatures up to 1200°C



Ecologically clean.
Does not contain formaldehyde



Thermal conductivity ratio of the vermiculite mark 100 at a temperature 25°C = 0.05 W/mK



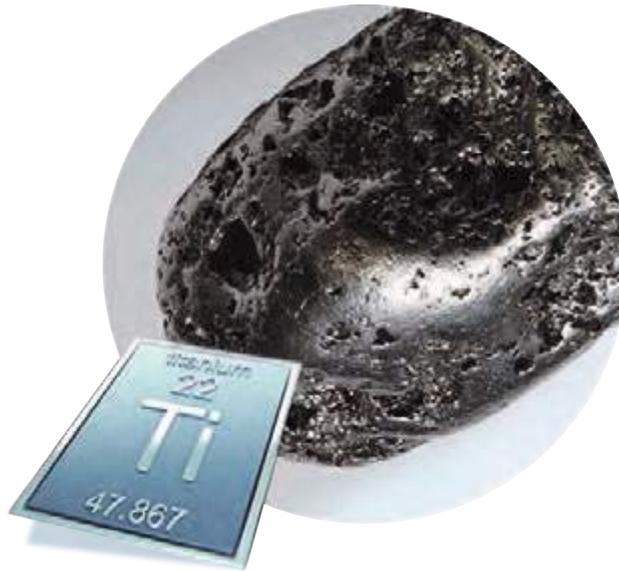
Does not shrink and is not deformed during operation



High sound absorption



Low bulk Weight



The presence of **titanium and aluminum** in AISI 439 steel, combined with a reduced carbon content, provides it with high strength and plastic properties. Steel has a balanced chemical composition, providing it with a high overall and intergranular corrosion resistance.



String and stable steel 439 - keeps our chimneys in its original shape up to 10 years

Stainless steel 1.0 mm with the addition of Titanium is classified as heat resistant in operation with temperature up to 900 °C.

Use of elements from titanium subgroup. Titanium is twice as lighter than steel, and titanium alloys are **3 times** stronger than aluminum, **5 times** stronger than magnesium alloys and superior to some special steels, while their density is much lower than the last ones. That is why titanium and alloys based on it are widely used in aircraft-, shipbuilding and space technology.



The thickness of steel 1.0 mm, provides increased rigidity of products and resistance to weight loads in comparison with 0.8 mm type of steel from competitors.



AISI 439 is ideal for wood-burning devices because wood contains no sulfur and wood-burning stoves often have high temperature of smoke



AISI 439 is used as basic material for the production of stovepipes and other products.



AISI 439 increases the service life due to corrosion resistance to atmospheric precipitation

Single wall chimneys



Single wall chimneys

are the basic elements of the chimney system and they are intended to exhaust combustion products

Are used with:



Fireplaces



Wood-burning stoves



Boilers

Package:



Corrugated cardboard

stainless steel
up to 1.0 mm



Inside the chimney draft
regulator

Description of the system



Features:

Is used in domestic heating appliances

Note:

Lifetime is basically defined by the condition of operation

Heating appliance:



Fireplaces



Wood-burning stoves



Sauna stoves

Fuel:



Firewood

Package:



Corrugated cardboard

life time up to **10** years

Single wall stovepipe

439 AISI 439 (1.4510)

∅ Diameter 80-1000

°C Corrosion resistance
resistant to intercrystalline corrosion

At a temperature 900 °C
ГОСТ (GOST RU) 5632-2014



The temperature of application not exceeding 900 °C is recommended for use for a long time.

STS / state standard specification
(ГОСТ/GOST RU) 5632-2014

Stove adapter

is a starting element between heating appliance and chimney system. It is intended to make assemble of the chimney "by condensate".



Cap

is intended to the maintenance of the chimney. It is installed on the T-joint.



Cap with hole

is intended to hide the basalt insulation of the chimney and the transition from a double-wall chimney to single-walled without a double wall start.



Cap with condensate diversion

is intended for the accumulation of the condensate and for the diversion of it into neutralization system.



Decorative ceiling-pass unit (DCPU)

is an element intended for the chimney to pass through the ceiling or the wall of the building. Installation is obligatory in appliance with fire regulations in high-temperature conditions.

DCPU quadratic



DCPU circular



Rain cap

is a final element of a chimney that is used to protect the single-wall chimney from atmospheric condensation.

Rain cap



Rain cap with deflector

Besides, it is also used to decrease the wind impact.



Rain cap with clasp



Rain cap with spark arrester

Besides, it is also to decrease the spark emission.



Elbow band

Element of the chimney intended to change the direction of the chimney in order to get around obstacles.

Elbow band 90



Elbow band 135



Connector

is intended to increase chimney diameter.



Stovepipe

is a basic element of the chimney system that is intended for the diversion of combustion products on the straight sectors. Length from 0,25 to 1 m.



T-joint

is intended for the correction of direction of chimney, it is used in connection of heating appliance with the main channel. It makes maintenance of chimney easier. It can be used together with cap as a revision.

T-joint 90



T-joint 135



T-joint 135 type 2



Damper

is an element intended to regulate flow inside the chimney. In most cases its use is expedient in chimneys systems of wood-burning stoves and fireplaces.

Damper-shutter



Damper turnable



Double wall chimneys



Double wall chimneys

are the basic elements of the chimney system and they are intended to exhaust combustion products

Are used with:



Fireplaces



Wood-burning stoves



Boilers

Package:



Corrugated cardboard



Description of the system



Features:

It allows to use on heating appliances without cyclic mode of operation.

Note:

Operation at temperatures above 900 °C leads to a change in the internal structure of the steel. Steel becomes brittle.

Heating appliance:



Fireplaces



Wood-burning stoves



Sauna stoves

Fuel:



Firewood



Fuel granules

Package:



Corrugated cardboard

life **10** years
time up to

Internal pipe

439 AISI 439 (1.4510)

∅ Diameter 160 - 1200 mm

1.0 Stainless steel 1.0 mm

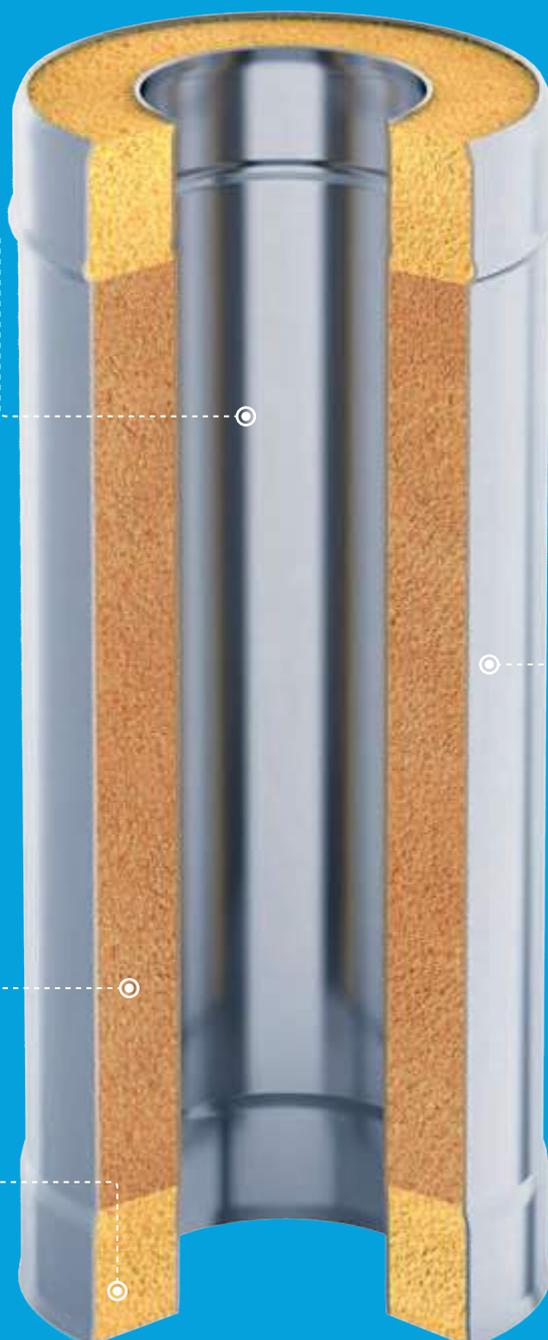
°C Corrosion resistance
The temperature of the beginning of intensive slag formation in air 900 °C

Insulation

Expanded vermiculite

Ecover

The temperature of application not exceeding 900 °C is recommended for use for a long time.
STS / state standard specification (ГОСТ/GOST RU) 5632-2014



External pipe

0.5 Stainless steel 0.5 mm

Description of the system



Features:

It allows to use on heating appliances without cyclic mode of operation.

Note:

Operation at temperatures above 900 °C leads to a change in the internal structure of the steel. Steel becomes brittle.

Heating appliance:



Fireplaces



Wood-burning stoves



Sauna stoves

Fuel:



Firewood



Fuel granules

Package:



Corrugated cardboard

life **3** years
time up to

Internal pipe

439 AISI 439 (1.4510)

Ø Diameter 160 - 1200 mm

0.5 1.0 Stainless steel 0.5 mm

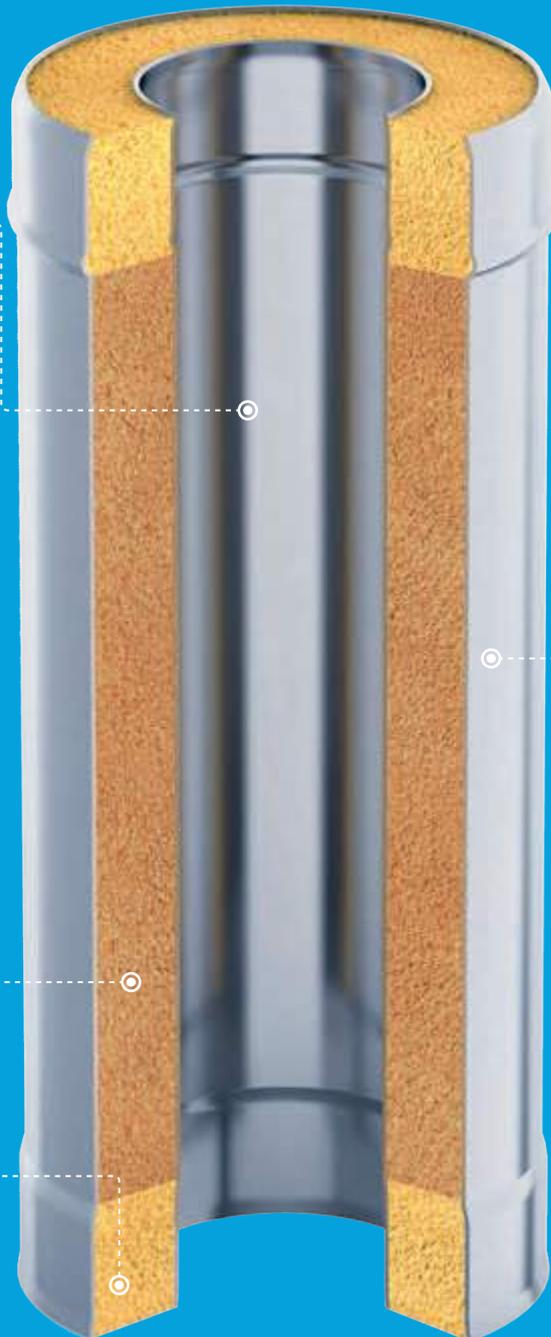
°C Corrosion resistance
The temperature of the beginning of intensive slag formation in air 900 °C

Insulation

Expanded vermiculite

Ecover

The temperature of application not exceeding 900 °C is recommended for use for a long time.
STS / state standard specification (ГОСТ/ГОСТ RU) 5632-2014



External pipe

0.5 Zinc coated steel 0.5 mm

Explosion valve

element of the chimney system intended to prevent damage of the chimney in case of sudden ignition or explosion of gas accumulated in it as an emergency situation during operation of the boiler.



Mounting pad

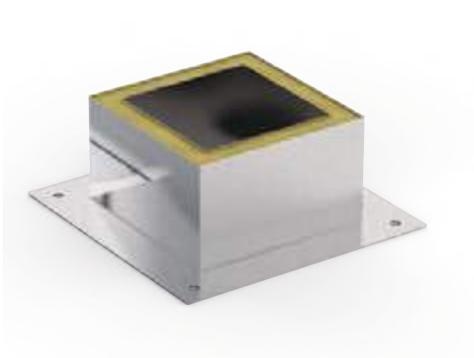
is used for the installation one- and double-wall chimneys jointly with supports; element is able to withstand high loads.



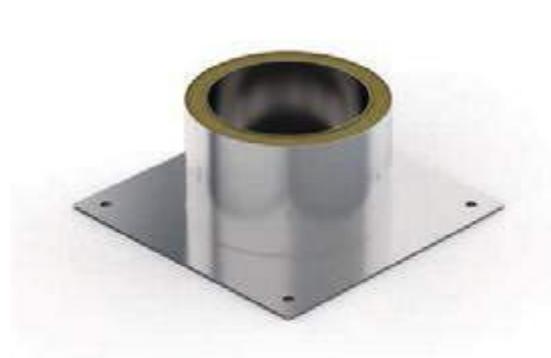
Decorative ceiling-pass unit (DCPU)

is an element that is intended for the chimney to pass through the ceiling or the wall of the building. Installation is obligatory in appliance with fire regulations in high-temperature conditions.

DCPU quadratic



DCPU circular



Double wall start

is intended to connect single with double wall chimneys and to cover insulation of the double wall chimneys as well.

Double wall start insulated



Double wall start non-insulated



Double wall finish

is a final element of a chimney that is used to protect the double-wall chimney from atmospheric condensation and to cover insulation as well.

Double wall finish



Double wall finish without raincap

It is applicable for the chimneys with an opened orifice.



Double wall finish connector

Besides, it is intended to connect double wall with single system.



Double wall finish with deflector

Besides, it is used to decrease the wind impact.



Double wall finish with spark arrestor

Besides, it is used to decrease the spark emission.



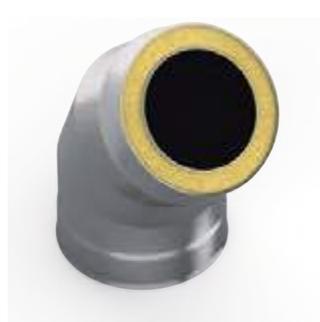
Insulated elbow band 135

Element of the chimney intended to change the direction of the chimney in order to get around obstacles.

Insulated elbow band 90



Insulated elbow band 135



Insulated T-joint

is intended for the correction of direction of chimney, it is used in connection of heating appliance with the main channel. It makes maintenance of chimney easier. Inclined entrance, closed with a cap can be used as a revision.

Insulated T-joint 90



Insulated T-joint 135



Insulated stovepipe

is a basic element of the chimney system that is intended for the diversion of combustion products on the straight sectors. Length from 0,25 to 1 m.



Insulated damper

is necessary to regulate draft



Mounting elements

Mounting elements

are necessary for fastening a stovepipe to the building and to the mounting pad.

Are used with:



Fireplaces



Wood-burning stoves



Boilers

Package:



Corrugated cardboard



• Steel thickness 0.8-1.0 mm

Telescopic wall bracket

is used to fix chimney vertically with the possibility to regulate the distance from the wall.



Telescopic support bracket

is used to fix chimney horizontally.



Wall bracket

is used to fix chimney vertically.



Wall support stainless steel 400x400

is used jointly with mounting pad, installation of support is carried out on the vertical plane. A number of sizes are available for selecting the desired distance and a possibility of adjusting.



Floor support constructional steel

is intended for installation on it of a vertical chimney.



Wall support constructional steel

is used jointly with mounting pad, installation of support is carried out on the vertical plane. A number of sizes are available for selecting the desired distance and a possibility of adjusting.



Crimping clamp

is a fastening element for single and double wall chimney, it is used to improve sealing at the joints. It is mandatory element of the system.



Stretch marks clamp

is intended to fix chimney vertically in case if the height of the chimney above the roof exceeds 1.5m, and in case when there is no possibility to fix chimney to bearing structures as well.



Fire protective plate

is used as a protective element, it increases the fire safety. It is necessary for the installation of wood-burning stoves and fireplaces



Protective screen

is used as a decorative element, it increases the fire safety. It is mandatory for the installation of wood-burning stoves and fireplaces



Roof passage

is an element intended to pass through the roof of the building allowing to protect chimney against penetration of atmospheric condensation. The installation is mandatory in appliance with fire regulations in high-temperature conditions.



Flange

is an element intended to protect chimney against penetration of atmospheric condensation between stovepipe and roof passage.



Water tanks

Water tanks are intended to divert the gases of the heat generating appliance into the atmosphere and to heat the water

Advantages:

- 1** Care-free surface
- 2** The height of the tanks allows to install in a sauna with a low ceiling
- 3** The shape designed by specialists of R&D department allows the most efficient use of the heat of flue gases for water heating

Are used with:



Wood-burning stoves



Boilers

Package:



Corrugated cardboard



AISI 439 0.5-1.0 mm
with addition of titanium

The hole for
water refilling



Heat exchanger

The sauna stove equipped with a heat exchanger allows the remote tank with hot water to be placed in rooms adjacent to the sauna. For this purpose, a universal stainless steel heat exchanger with two 3/4-inch fittings is installed on the chimney and is connected with the help of water pipes to the water tank of remote type.



Water tank of remote type

The sauna stove equipped with a heat exchanger allows the remote tank with hot water to be placed in rooms adjacent to the sauna. For this purpose, a universal stainless steel heat exchanger with two 3/4-inch fittings is installed on the chimney and is connected with the help of water pipes to the water tank of remote type.



Water tank of remote type

is connected to the heat exchanger of the stove and is intended for water heating due to natural circulation.

Water tanks

Volume: 43/50/60/70/80/90 l.

Water tank for heat exchanger, vertical



On-pipe water tank "Ural"



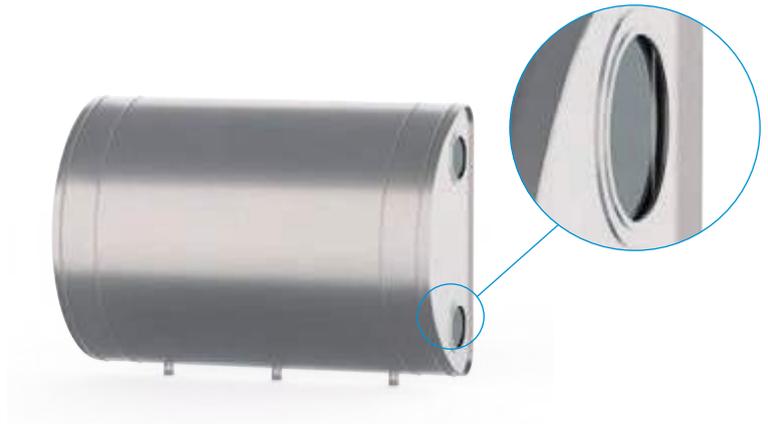
Mounted water tank for stove "Rainbow"



Water tank of remote type, horizontal



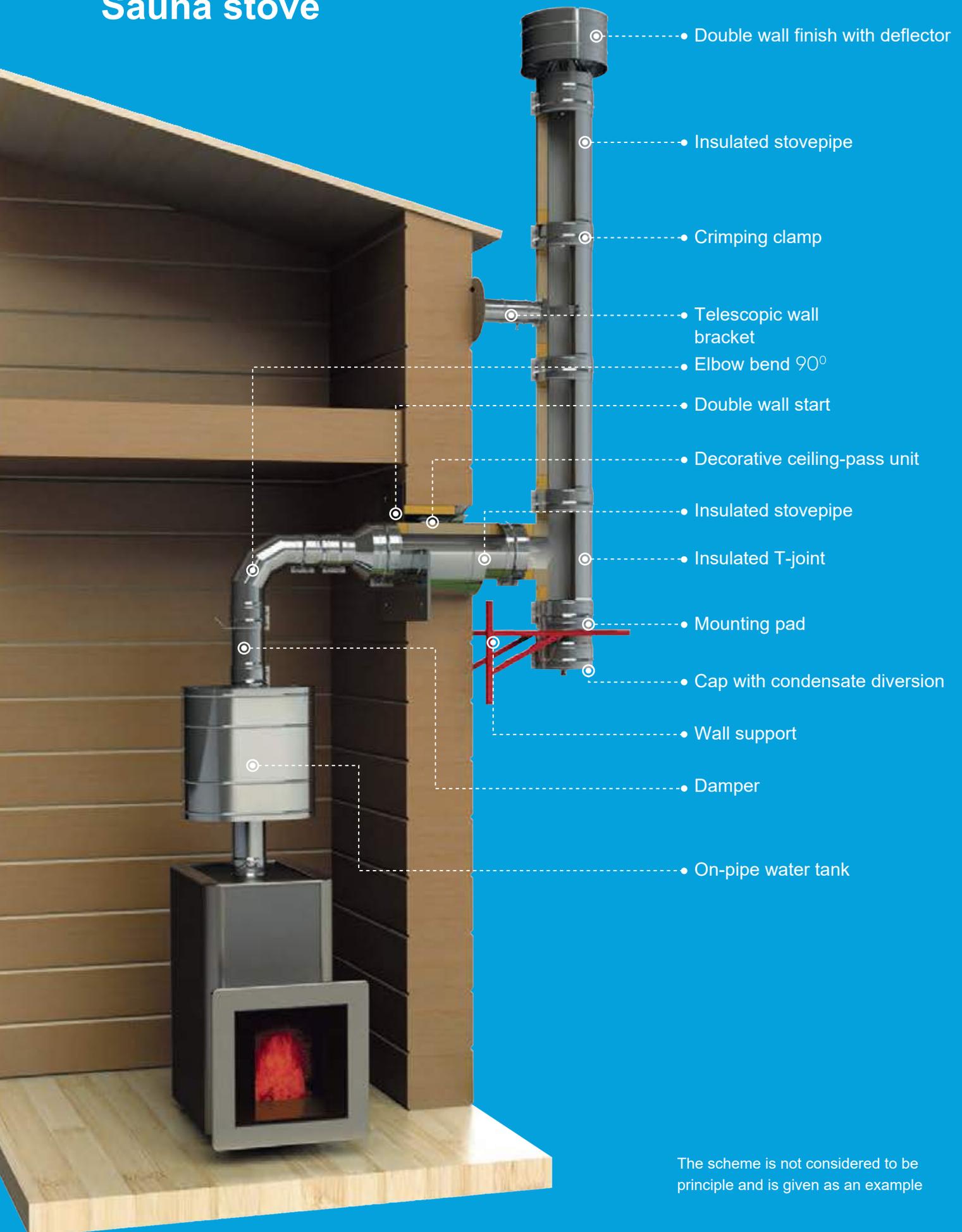
Water tank of remote type, horizontal "Triton" (with illuminator)



Water tank of remote type, horizontal "Neptun" (with autofill)

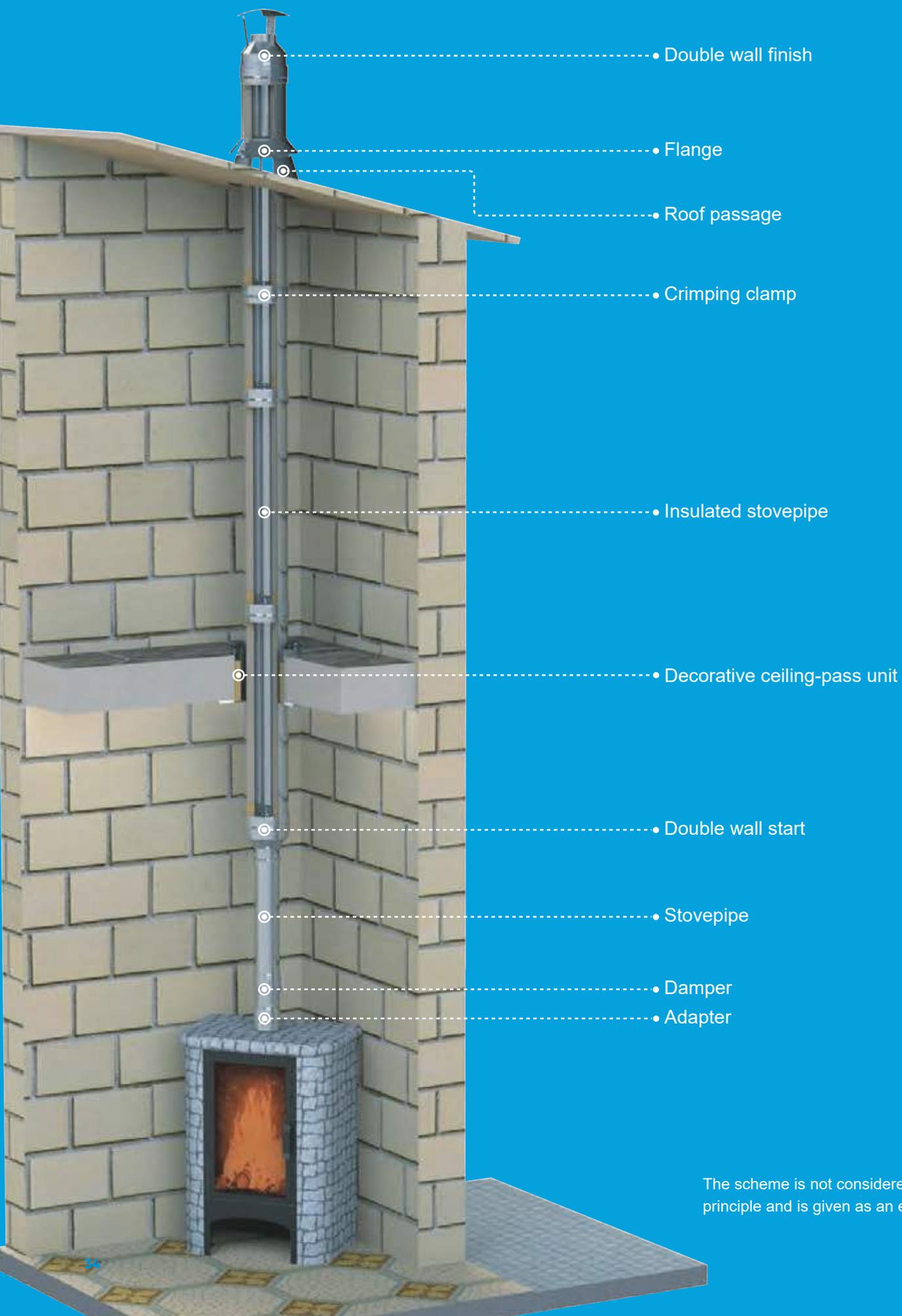


Scheme of a modular chimney assembling of a Sauna stove



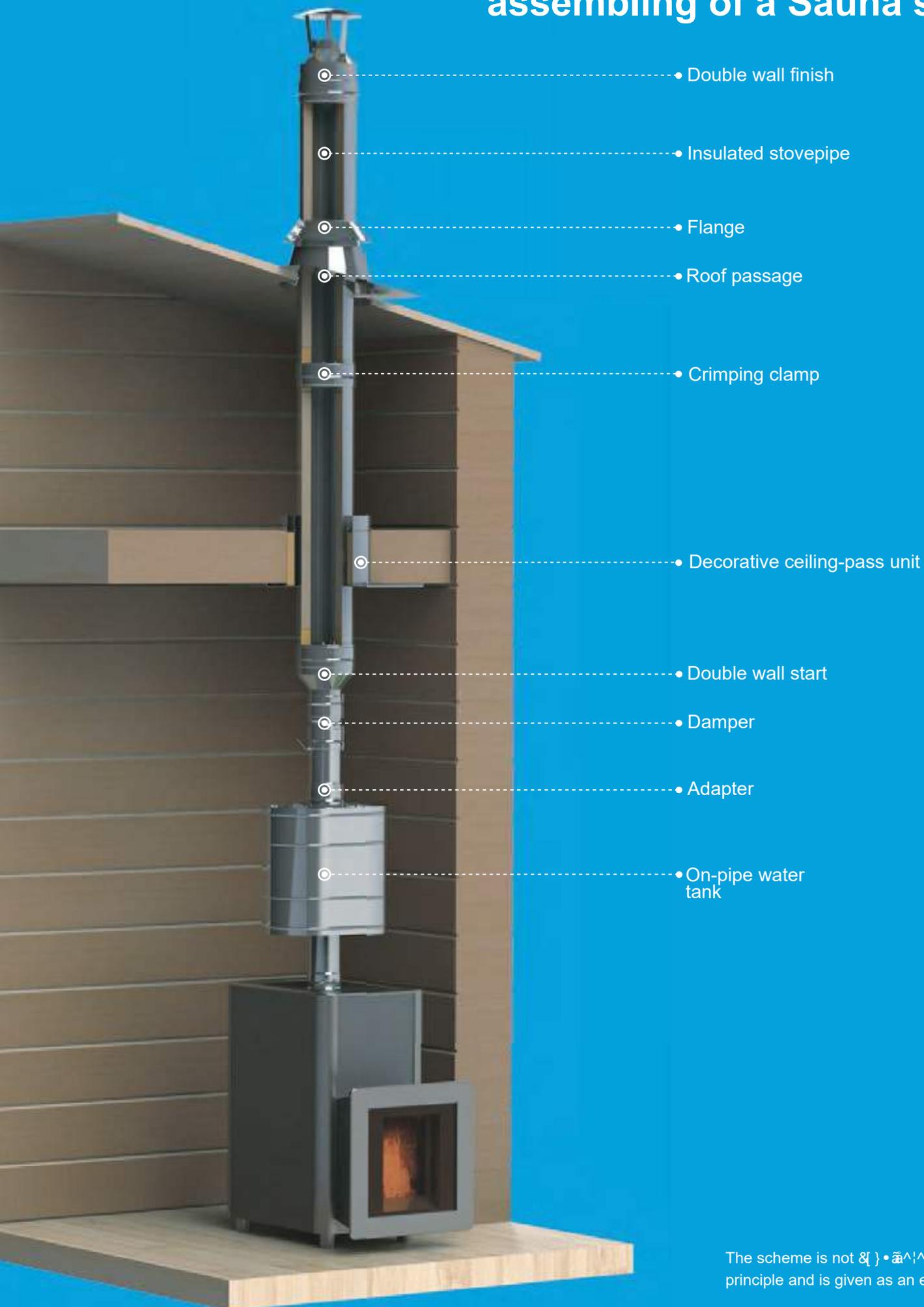
The scheme is not considered to be principle and is given as an example

Scheme of a modular chimney assembling of a fireplace



The scheme is not considered to be principle and is given as an example

Scheme of a modular chimney assembling of a Sauna stove



The scheme is not a principle and is given as an example



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