

# CATALOG OF STAINLESS STEEL COMPONENTS AND ACID RESISTANT STEEL

Thermo has implemented new acid-resistant ventilation products made of stainless steel and improved in functionality of those offered so far into its production activities and market. The implemented new products include ventilation products, prefabricated sheet metal products, ventilation ducts and fittings in acid-resistant execution, hoods and elements of ventilation accessories made of stainless steel. The new products are building materials for use in the sanitary, swimming pool, chemical and food industries.

In the production of ventilation ducts we use acid-resistant sheet metal according to AISI 304, PN-EN-1.4301 with a chromium content of 18% and nickel content of 9%. Thermo company also manufactures on request products from sheet metal according to AISI 316, PN-EN-1.4404, having, unlike the previous one, the addition of molybdenum 2-2.5% which improves anti-corrosion properties in strong environments with high chloride content and acidic environments (very often used in swimming pools, coastal environments, city centers).

## Internal rectangular system and hoods



The rectangular elements of internal installation produced by us are used in residential buildings, public buildings and industrial facilities. Due to highly efficient equipment and the introduction of modern technologies, the rectangular ventilation ducts and rectangular ventilation fittings produced by us are distinguished by high care and reliability. In the production of ventilation ducts we use as standard acid-resistant sheet metal according to AISI 304, PN-EN-1.4301 with a chromium content of 18% and nickel content of 9%. Rectangular indoor installation offered by us meets all norms and standards. All ventilation ducts fittings are made of stainless steel sheet grade AISI 304 and stainless steel with increased corrosion resistance grade AISI 316.

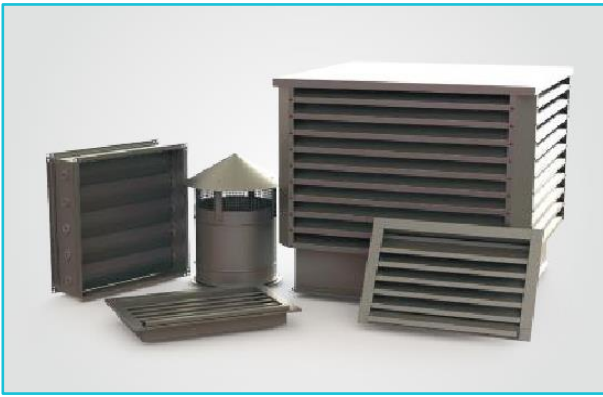
## Internal circular system

Ventilation ducts, fittings, connectors, tees without them it would be impossible to create a system for extracting and distributing fresh air from rooms in buildings. Wherever circular ducts are used, there is a need for circular indoor installation.

The circular indoor installation we produce includes both spiro pipes and circular fittings. All circular ducts and fittings are made of stainless steel grade AISI 304 and stainless steel with increased corrosion resistance grade AISI 316 based on Polish standards. Round internal fittings, round ventilation ducts and other elements are high quality products. They are durable and solidly made, which will ensure the smooth operation of the circular indoor ventilation system.



## Air intakes and outlets, dampers



A well-implemented ventilation system consists of many components, including ventilation terminations. Therefore, we offer you a wide range of ventilation terminations - including, among others: rectangular ventilation dampers, air ejectors, thanks to which it is possible to create an effective air exchange system and one that, in addition to functionality, will also be aesthetic and decorative.

We offer wall air intakes, also available wall air intake with damper, round wall ventilation ejector, and rectangular wall ventilation ejector, as well as various types of ventilation dampers made of stainless steel grade AISI 304 and stainless steel with increased corrosion resistance grade AISI 316 based on Polish standards. All of these elements allow the intake of

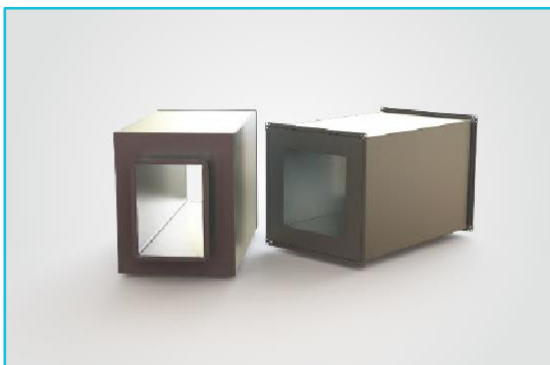
fresh air from outside and the removal of air containing pollutants from the premises.

## Silencing elements

Damping elements, which are acoustic silencers, are used to suppress noise. Industrial IBB wool is used for the silencers we offer. In addition, we use a flexible rectangular spigot for duct cushioning. The spigot consists of profiles, corners and tape, which acts as a cushioning connection that provides a very good seal.



## Pre-insulated elements



Preinsulated elements are rectangular ducts and fittings having mineral wool insulation. The system ensures reduction of heat loss, tightness of elements and their connections, and suppression of noise generated by air flowing inside the ventilation line. Preinsulated elements come in two types made of stainless steel grade AISI 304 and stainless steel with increased corrosion resistance grade AISI 316.

## Filtration cassettes

For pre-filtration of air, we offer filter cassettes with cartridges of G3 and G4 class. Filter cassettes are used for pre-filtration of air. By cleaning the air, you can significantly extend the life of equipment behind the filter such as fans, heaters. The cassettes are made of stainless steel grade AISI 304 and stainless steel with increased corrosion resistance grade AISI 316 based on Polish standards.



## Transmission System



Ventilation installations made in the Transmission System are characterized by seam construction. The sections of the installation are connected by clamps. Pipes are available in sections of 100 cm.

This system, is distinguished by high tightness, ease of installation and cleaning. This type of installation is used in ventilation systems for dust removal or transporting volatile fractions of solids. Prefabricated products are also made in special dimensions according to your needs.