



STAHL N.V. member of the R.STAHL Technology Group

TVC - Transportable Ventilated Container



TVCs (Transportable Ventilated Containers) are also known as Remote Instrument Buildings (RIB) An engineering concept ingrained in our organization. After 50 years of experience in dealing with equipment placed in hazardous environments, we discovered that the purpose and the function of the TVC is more important than the shape of the unit.

This philosophy has helped us to become the market leader in ATEX and IECEx solutions.

Sensitive instruments will be placed in the TVC. The function of these units are critical in securing the quality of the production process of our customers. Moreover, an incident is not allowed to escalate into a catastrophe. It is therefore understood that we will not compromise on the safety or quality of our TVC solution. We do not only believe in the current trend of increasing safety standards in the industry, we endorse them.

We build accordance to the ATEX and IECEx and NEC guidelines.

Our philosophy is to be your partner in the functional design of your equipment. These units are constructed in our state of the art factory located in Hengelo.



Units are fully tested on functionality and explosion protection because we believe in plug and play solutions which our customer can install in accordance to all the necessary certification requirements. Aside from assuring compliance with the necessary guidelines, it also will drastically reduce the cost of installation at the production facility.

These units are engineered to reduce the cost of ownership, and allow for an ergonomically designed workspace and energy efficient design.

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Leveringen geschieden overeenkomstig
onze algemene leveringsvoorwaarden.
Livraison suivant nos conditions
générales de vente.



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Our units will comply to one of the following criteria:

- TVC-ev, positive pressure differential for environmental protection
- TVC-op, positive pressure differential to maintain a safe operation environment

Pressurization by means of ventilation is executed with integrated explosion proof modular range of standardized HVAC. Most of our units will comply to the following criteria:



- A containerized explosion protected stand alone electrical system
- Transportable, for temporary and permanent use
- Containers for non-human occupation under normal operation circumstances
- Containers for human occupation under normal operation circumstances
- Possible functional contents:
Control system, Power distribution, office, workshop, operator room, (wireless) communications, emergency power, alarming system, camera system, other.
- Integrated power conversions for remote applications
- Possible electrical contents:
Electrical panels including DCS, PLC, ESD, MCC, Battery, Transformer, VSD, Ex-Battery Box, PC, PA, other
- Diagnostic interface based on GSM/GPRS or Fieldbus
- Suitable for installation in Zone 1 and Zone 2
- ATEX rating Gas IIB T4
- NEC, GOST, others
- Ambient temperature -50 to +50 °C (project dependent)



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TVC - Standardized design



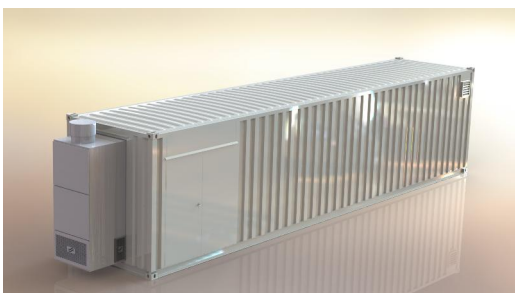
Standard design



Standard design, 10ft



Standard design, 20ft

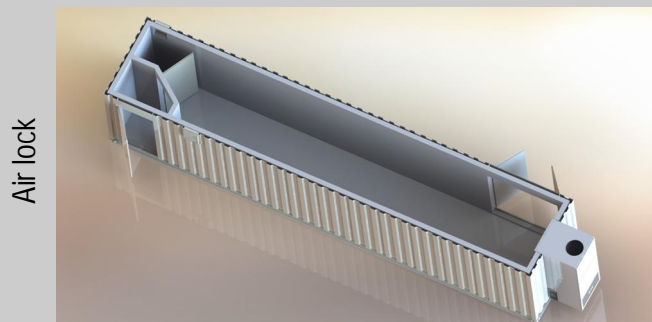
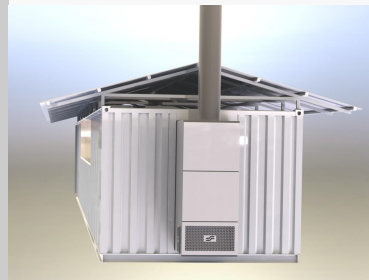


Standard design, 40ft

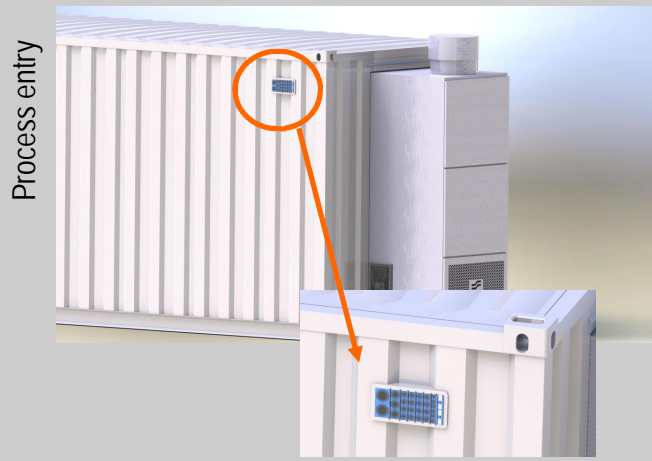
Options



Sunroof



Air lock



Process entry

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