

## COMPRESSED AIR CONTAINER STATION

Container air compression stations are widely used wherever a source of compressed air is needed, and at the same time it is not possible to build a compressor room.

They allow great mobility and use in any place by the user.



The entire station equipment is configured according to individual needs of customer. The container size depends on the type and number of units installed inside such as compressors, boosters, air receivers, separators, filters and air dryers. The entire structure of the container with the installed devices is placed on a common frame, which allows easy transport and installation in any chosen place.

A professionally made compressed air container station protects the devices inside against any external factors, while ensuring optimal conditions for the operation of the devices.



Thanks to the use of an appropriate heating and ventilation system, the container station is completely independent of the prevailing weather conditions.

Power is supplied from the power line or power generators through cable entries located inside the cabinet of the container.

## Container dimensions [mm]

40 ft	L x W x H	12190 x 2450 x 2900	12190 x 2450 x 2600
20 ft	L x W x H	6058 x 2450 x 2900	6058 x 2450 x 2600
10 ft	L x W x H	3029 x 2450 x 2900	3029 x 2450 x 2600

## Color

external structure	RAL 7046 (standard), or any color from the RAL palette
interior walls	RAL 9006 or RAL 7046

## Corrosion protection

the outer surface of the container is sand-blasted, spray-painted with primer paint and topcoat paint

coating category C2, C3, C4: according to environmental conditions

## Floor

hot-rolled profile, 20 mm waterproof plywood, lined with 3 mm aluminum corrugated sheet

static load capacity of the floor 1000 kg/m<sup>2</sup>

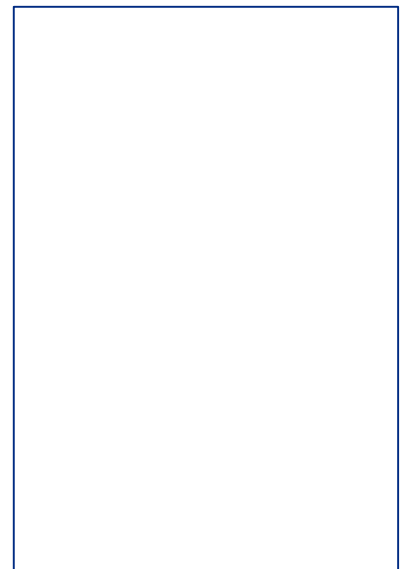
## Interior wall panels

effective acoustic soundproofing and insulation

75 mm thick PWS wall panel with a polystyrene core and a single-sided steel sheet with a metallic coating

## Service doors

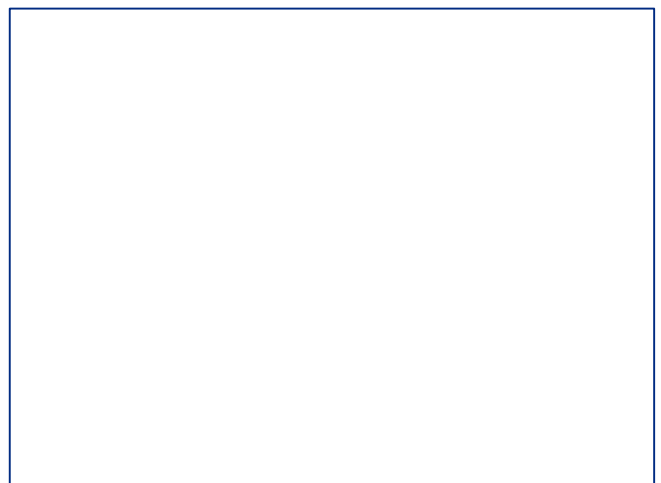
insulated, galvanized, painted, 90 cm wide

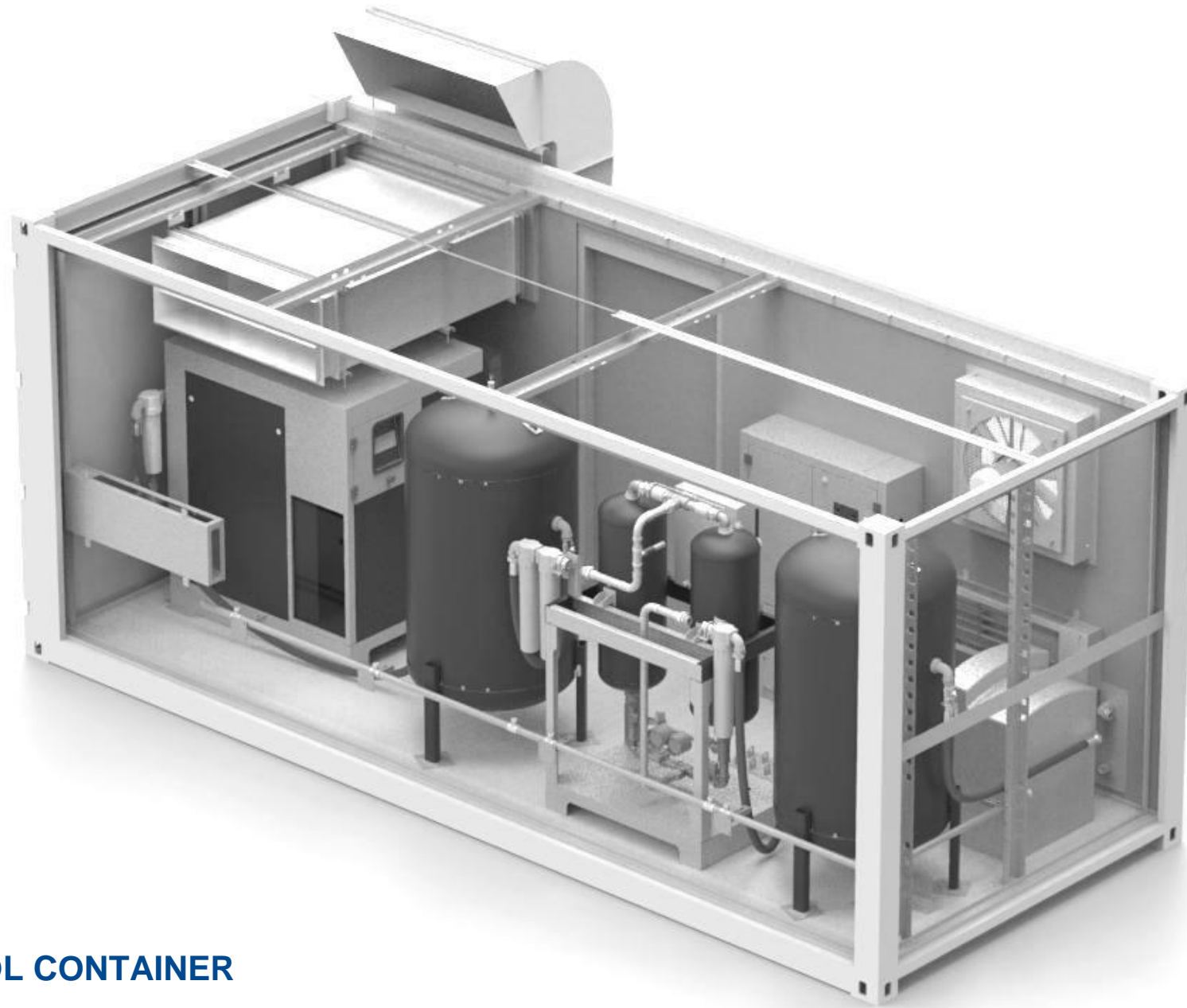


## TECHNICAL DATA

<b>Compressed air installation</b>	<p>Steel pipe, galvanized on both sides, Viega Prestabo F1 press system or equivalent</p> <p>compressors connections to the installation with flexible hoses</p>
<b>Electrical installation</b> (adapted to the client's needs)	<p>installation carried out in high-quality galvanized metal mounting trays</p> <p>individually designed by Airpol container switching station, installed in a steel, powder-coated box</p> <p>individual protection with separate circuits of individual devices in the process line and container infrastructure</p> <p>electrical circuits and electrical apparatus selected to ensure long-term trouble-free operation</p> <p>a system of sensors and protections to ensure the safety of devices installed in the container</p> <p>an effective control system through continuous temperature measurement and monitoring of the equipment operation condition ensures both appropriate working conditions and operational safety</p> <p>full protection, among others, against:</p> <ul style="list-style-type: none"> <li>- inadequate power parameters</li> <li>- engine overload</li> <li>- compressor overheating</li> </ul> <p>at least two 230V wall-mounted sockets</p> <p>main switch disconnecter</p> <p>emergency stop switches close to the door in the event of an incident requiring rapid intervention</p>
<b>Power</b> (resulting from the specificity of the project, i.e. the total power of the installed devices)	<p>supplied by the Employer from the electric line through cable entries located in the switchbox of the container</p>
<b>Lighting</b>	<p>hermetic lamps 2 x 36 W 230V</p> <p>in a 40 ft container - 4 lamps          in a 20 ft container - 2 lamps          in a 10 ft container - 1 lamp</p>
<b>Heating equipment</b>	<p>electric heaters 2 kW 230 V in a metal powder coated casing, with a thermostat</p> <p>in a 40 ft container - 4 pcs          in a 20 ft container - 2 pcs          in a 10 ft container - 1 item</p>

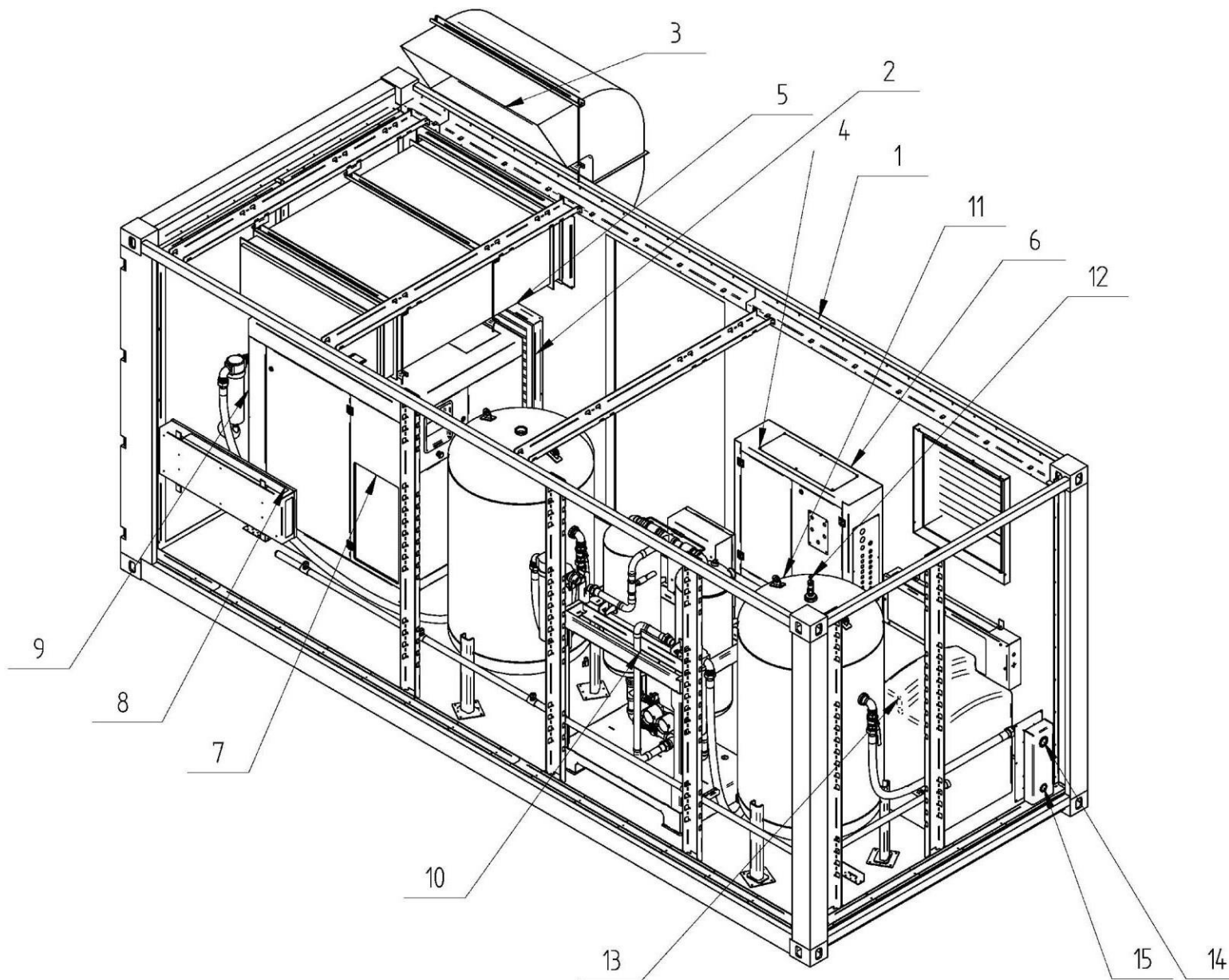
<b>Ventilation</b>	effective ventilation individually designed to provide optimal working conditions for the equipment of the container compressor station
	wall air intake with fixed metal shutters, filter mat and internal gravity shutters
	launchers wall or roof
	galvanized ventilation ducts equipped with actuator-controlled multi-blade dampers
	axial ventilating fan 1.1 kW or 3 kW
	the entire ventilation system is controlled by a Siemens microprocessor controller
<b>Made in accordance with standards:</b>	<p>ISO 2014/68/UE          ISO 2006/42/WE          ISO 2014/35/UE          ISO 2014/30/UE</p> <p>PN-EN ISO 12100:2012          PN-EN 60204-1 : 2010/AC:2011          PN-EN 61000-6-4:2010          PN-EN-1012-1:2011          PN-EN- 01307:1994</p>





**AIRPOL CONTAINER  
COMPRESSOR STATION**





1. Container 20 ft
2. Air intake
3. Cooling air outlet
4. Power
5. Compressor ventilation system
6. Electric box
7. Screw compressor
8. Heater
9. Cyclone separator
10. Adsorption dryer
11. Air reservoir
12. Safety valve
13. Oil / water separator
14. Compressed air outlet
15. Condensate outlet.

## AIRPOL CONTAINER COMPRESSOR STATION- EXAMPLE

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