

Product Data Sheet

Self-service fleet / retail filling station

AVK – NES

AVK 10 - 1S (for one type of the fuel)

The filling station is designed for the fleet or retail dispensing and sale of automotive fuel in a self-service mode, with a detailed record of individual dispensings, where the customer / employee serves self-help. Authorization of dispensing is performed through a self-service terminal using local cards. All technological equipment is located above the ground and integrated into a special container that contains an operational tank. Fuel dispensing is performed using a certified dispenser. The station and the dispensing point can be roofed, the clearance height can be up to 4.2 m.

The scope of AVK usage is very wide. From simple company (agricultural) stations, through railways, construction activities, military use or deployment in emergencies, to public self-service filling stations comparable with classic stations. The variability of the AVK design allows us to create a station according to the specific requirements of the future user.

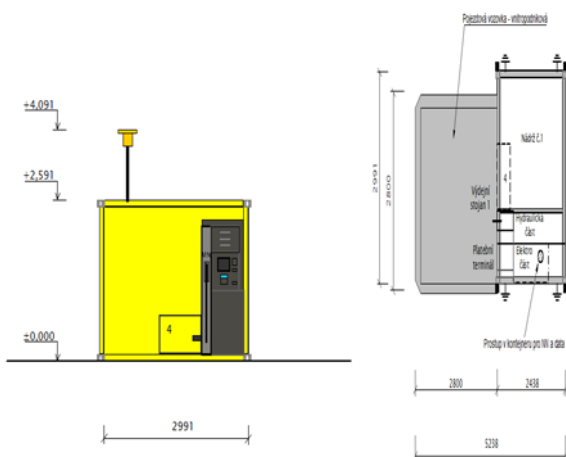
Although our basic offer includes a version for just one fuel type, we are currently manufacturing and operating AVK with tanks divided and adapted to dispense two types of fuel.

Original Czech product protected by European patent



Main advantages

- The product certified as a whole meets the most demanding requirements of current EU standards
 - The above-ground container solution provide these benefits in particular
 - -easy transportation and installation
 - easier preparation for construction
 - adaptation to specific customer requirements
 - - simplified approval procedures
 - - compactness
 - Self-service sale / dispensing
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- Both, automotive fuels and operational liquids (AdBlue) can be dispensed
 - Simple control
 - Evidence of dispensing by person, by vehicle
 - Management of the station from your local PC and even remotely
 - Two levels of access permissions (admin and browser)
 - Diagnostics of basic faults on the station display
 - Operating temperature range from -30°C
 - to +60°C
 - Original Czech product protected by European patent



Basic equipment (specification)

Dimensions of the container	2991 x 2438 x 2591 mm
Nominal (operational) volume	9 000 lt. (8 600 lt.)
Fuel dispensed	diesel
Dividing ratio of operational tank	Not divided
Left dispensing	1x40 l/min (diesel)
Right dispensing	no
Hose	winding, up to 4.9 m in length including a blasting clutch
Measuring in the tank	minimum, maximum a emergency overfilling
Filling pump	Only filler neck, back-valve and shut-off valve
Auxiliary battery	12 VDC (20 Ah) back-up of low - current part
Charging voltage	230 VAC, 50 Hz, nominal output 3 kW
Bank terminal	no
Local card reader	RFID reader 125 kHz
Dispensing control	Touch-screen 10,4''
Document printer	Optional accessories
Surveillance cameras	Optional accessories

Optional equipment and accessories

- Higher container (height 2896 mm) for increase of operational capacity,
- High-rate dispensing (1x80 l/min) for diesel, satellite dispenser,
- Magnetostrictive probe for metering and calibration of the tank
- Refilling pump 1x600 l/min
- Document printer (thermal printing)
- Simultaneous dispensing (from one dispensing point, two nozzles)
- Back-up generator or autonomous operation (by use of auxilliary power unit)
- Graphical design tailored on customer's wish,
- Roofing incl. attic,
- Handling platforms for the catch of spills during refilling and refueling,
- End-switches on the hatches,
- Price /pylon – „T-shape“ , or mounted on the container,
- Only local surveillance system,
- Other non-standard solutions on customer's wish

Certification and safety

The product is designed as a unit in accordance with the Law No.22/1997 Sb. as amended and is certificated in accordance with EU Regulation No.94/9/EC (currently 2014/34/EC) as an equipment intended for use in potentially explosive atmospheres. EC-type Examination Certificate FTZÚ 15 ATEX 0228X was issued on December 23,2015.

Visualization and realization

