

Fuel transfer station EST-02.1
MINI

Passport and operating
instructions

2026

1. BASIC PRODUCT INFORMATION

This data sheet and operating manual are intended for familiarization with the technical data, device, technical operation and maintenance of the EST-02.1 MINI fuel transfer station (hereinafter referred to as "SPT"). Please read this manual carefully before starting to operate the SPT. In case of non-compliance with the operating conditions of the device, measures must be taken to ensure that the operating conditions are properly maintained in accordance with the applicable regulations. The company operating the pumps must comply with the requirements of this RE, the relevant regulatory and technical documents approved in accordance with the established procedure, as well as when operating the pumps

2. PURPOSE AND TECHNICAL SPECIFICATIONS

The EST-02.1 MINI fuel transfer station is a system built on the basis of the SI20 logic controller and the EFD-02 module, which is a total counter and a device for entering calibration coefficients and removing pulses from the generator located on the volume meter. SPT has an LED display based on seven-segment indicators.

Using the ARIES SI-20 device, we set the fuel filling dose and start the station with the START button. The SPT controls the solenoid valves and the pump's electric motor.

technical specifications

Overall dimensions: height / width/ depth,mm	435x570x310
Supply voltage,V	12/220
Weight, kg	31
Fuel delivery indication means	seven-segment indicator
Relative error in calculating and indicating the volume of released fuel	0.25%
Fuel transfer rate, lit./min.	50/60
Connection diameter,mm	25
Operating temperature range	-20°C +50°C
Maximum air humidity, %	85
Fuel type	diesel
Type of climate version	UHL 2 according to GOST 15150
Maximum power consumption	400 Watts

3. DEVICE AND OPERATING PRINCIPLE

The EST-02.1 MINI fuel transfer station is a system built on the basis of the SI20 logic controller and the EFD-02 module, which is a total counter and a device for entering calibration coefficients.

9. INFORMATION ABOUT COMPLAINTS

Claims to the quality and completeness of the product, provided that the consumer complies with the rules established by the operational documentation and in the presence of this passport. In case of loss of the passport, no repair or replacement of the failed equipment or its components is made free of charge, and no claims are accepted.

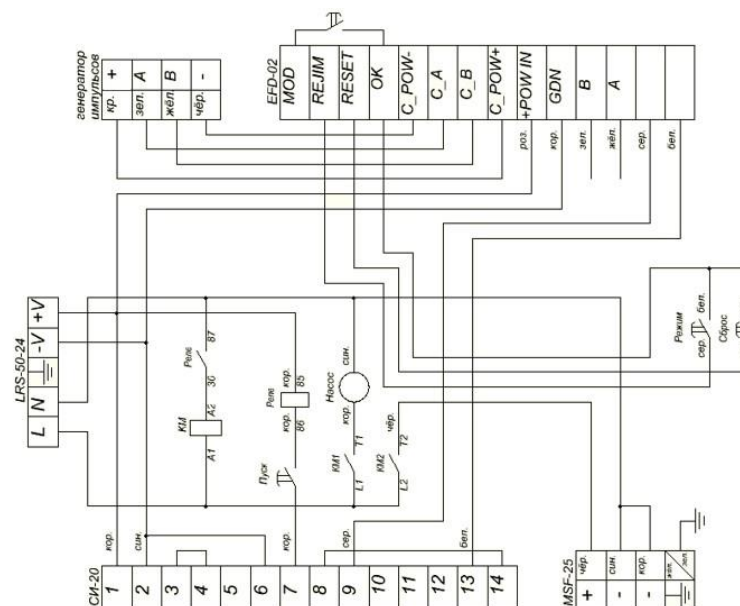
In case of failure of the product in operation or finding out its malfunction during the warranty period, the consumer must send the manufacturer a certificate of malfunction with the following data: factory number, date of manufacture, nature of the malfunction or defect.

10. TRANSPORTATION AND STORAGE

The product is transported in closed transport. Transportation conditions must be consistent with storage conditions.

Storage of products in packaging for transportation in the warehouse of the manufacturer and consumer must meet the storage conditions. The shelf life of products in packaging without re-preservation should not exceed 2 years from the date of manufacture. The storage area must be free of conductive dust, acid and alkali vapors, and gases that cause corrosion and destroy insulation.

Electrical schematic diagram



7. SECURITY REQUIREMENTS

According to the method of protection against electric shock, the device corresponds to class I.

Electrical installation works, connection to the power supply network and grounding (zeroing) must be performed by a qualified specialist in strict accordance with the "Rules for Technical Operation of electrical installations of Consumers", "Safety Rules for the operation of Electrical Installations of Consumers" and "Rules for the Installation of Electrical Installations", as well as the requirements of this document.

When working with the fuel transfer station, service personnel must comply with the technical requirements.

Persons who are familiar with this document and have access to work with equipment under voltage up to 1000 V are allowed to operate.

Work with the fuel transfer station should be carried out only after it is disconnected from the power supply and measures are taken to prevent its accidental switching on.

After the start-up and maintenance work is completed, all protective devices should be installed in the working position. The place where the fuel transfer station is connected to the electrical network must be protected from water ingress and isolated from direct access. The place of connection and use of the fuel transfer station must be protected from direct ingress of moisture, dirt and sparks.

8. DISPOSAL INFORMATION

Full or partial disposal of components and materials that make up products is regulated by the legislation of the Russian Federation, which establishes the procedure for handling waste, hazardous waste, packaging materials and waste from packaging materials.

The provisions contained therein are fundamental principles and represent rules that must be observed by all subjects of the Russian Federation.

There are no special requirements for the use and/or disposal of permissible chemical, radiation, thermal or biological effects on the environment. No additional disposal safety measures are required.

Disposal of products is carried out in accordance with the standards of the country of the operating company.

to be removed from the generator located on the volume meter. SPT is intended for tare of tanks, tanks, fuel tanks by service specialists. The fuel volume value is entered using the controller buttons.

Data on the issued fuel is received from a fuel flow meter with a pulse output.

The SPT controls the pump's electric motor and the MSF double-acting valve-25.

Getting the station working we connect it to the 220V power supply an indication appears on two signal removal devices. Using the ARIES SI-20 device, we set the fuel filling dose and start the station with the START button.

The fuel pumping station is designed for operation in temperate and cold climates.

A general view of the EST-02.1 MINI fuel transfer station is shown in Figure 1

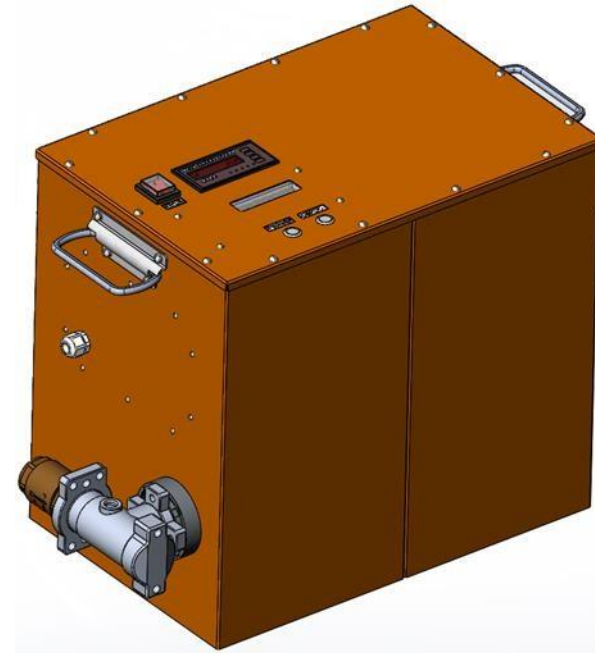


Figure 1

IT IS STRICTLY FORBIDDEN TO:

- switch on the fuel transfer station to the electrical network without grounding (zeroing);
- replace the standard power cable yourself.
- pump chemically active liquids.
- pump fuel oil and oil.

- pump highly contaminated and edible liquids; Sequence of actions for starting work and starting portions.
 - power is supplied to the gas station
 - the "PROG" button is pressed briefly
 - the dose value is set using the " ^ " and " < " buttons
 - the "PROG" button is pressed briefly
 - the pump switch is switched to the "ON" position
 - next, the dose is spilled. At the end of the dose, the pump switch is switched to the "OFF" position.
 - The "Reset" button is pressed briefly
 - if you need to repeat the dose, go to point 2.5
 - The coefficient is applied as follows: on the EFD-02 module, there is a parameter change button on the side (you need to go to 1 parameter). Using the "Reset" and "Mode" buttons, we change the parameter value up or down.

4. COMPLETENESS

Fuel transfer station EST-02.1 MINI is delivered assembled Basic delivery set of SPT 220V:

- pulse counter SI20-U. Sh2.R
- EFD-02 total counter controller
- PIUSI 100 micron linear coarse filter
- check valve
- ADAM PUMPS PA1 70
- volume meter W-60
- pulse sensor for Ex volume meter
- mSF-25 double-acting valve

Attention! 12 volt Mercury 12 V pumps, The station is not designed for long - term operation without stopping! You need to pause for 5 minutes every 2 hours!

5. MANUFACTURER'S WARRANTY

We guarantee that the fuel transfer station EST-02.1 MINI meets the requirements of the set of design and technological documentation of the manufacturer and regulatory ando- technical documentation.

We guarantee reliable and trouble-free operation of the STP, provided that the consumer complies with the rules of transportation, storage and operation established by the installation, operation and maintenance instructions.

The warranty period of operation is 12 (twelve) months from the date of commissioning.

Warranty obligation sext end to:

- after the warranty period expires.
- in case of loss (loss) of the passport;
 - if the consumer does not comply with the conditions and rules for storage, transportation, installation and operation set out in the operation and installation manual of the unit.

The warranty does not coverна:

- damage caused as a result of errors of service personnel, the use of unsuitable spare parts or other material improper handling;
- errors caused by equipment and / or parts that are not part of the supplied module.
- damage caused to other people's equipment due to improper installation or operation of the supplied module; - damage caused by self-modification of the design and technical documentation without prior consultation and approval of the manufacturer.

Head of the organization:

MP

(personal signature)

(transcript of signature)

(year, month, day)

6. CERTIFICATE OF ACCEPTANCE AND PACKAGING

CALIBRATION STATIONS		
<u>Fuel transfer station EST-02.1 MINI</u>		
(model)		(factory number)
<p>Manufactured, accepted and packaged in accordance with the mandatory requirements of the state standards in force. technical documentation.</p>		
		MP
_____ (personal	_____ (transcript of signature)	_____ (year, month, day)