

**ГИДРАВЛИКА**  
**ДАВИМ НА РЕЗУЛТАТ!**

# **ПАСПОРТ**

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**Станция смазки СН5М 21-02**

г. Екатеринбург, 2026 г.

## 1. Назначение и описание

### Description and purpose of station cmazk CH5M 21-02, 22-02

The station cmazk CH5M 21-02, 22-02 constitutes professional equipment intended for centralised supply of cmazk-type materials into nodes of industrial aggregates. This equipment functions in closed chambers within a temperature interval from +1°C up to +55°C, delivering cmazk medium under nominal pressure of 10 MPa (or 100 kgf/cm<sup>2</sup>). It guarantees stable operation of mechanisms via precise dosing of cmazk possessing kinematic viscosity in the range 10–1500 mm<sup>2</sup>/s, corresponding to class 12 purity according to GOST 17216—71.

For addressing potential interruptions, an engineer once verified the station cmazk CH5M 21-02, 22-02 and remarked: «This station cmazk CH5M 21-02, 22-02 prevents any slowdown and ensures continuous operation.»

### Weight, overall dimensions and Код ТН ВЭД of station cmazk CH5M

Mass of the station equals 10 kg, which facilitates mounting in confined spaces. Overall external dimensions are 220 × 180 × 280 mm (width × depth × height). Connectivity characteristics: each outlet has nominal passage G1/4", and the inlet for cmazk medium has diameter M18×1,5. Код ТН ВЭД code per respected taxonomical classification is 8413.70.000 0.

Table of size and weight for station cmazk CH5M 21-02, 22-02	
Parameter	Value
Number of outlets	2
Nominal internal capacity of hydraulic compartment, dm <sup>3</sup>	2.5
Type of drive	Rotary
Minimum rotation speed of drive shaft, s <sup>-1</sup> (min <sup>-1</sup> )	0.04 (2.4)
Nominal rotation speed of drive shaft, s <sup>-1</sup> (min <sup>-1</sup> )	0.4 (24)
Consumed power, kW, not exceeding	0.05
Weight of station, kg	10
Код ТН ВЭД	8413.70.000 0

### Technical parameters for station cmazk CH5M 21-02, 22-02

Operating pressure for the station cmazk CH5M 21-02, 22-02 equals 10 MPa,—delivered via two outlets. Working medium constitutes cmazk materials of defined viscosity. Temperature range of both surroundings and cmazk medium spans +1°C...+55°C. Station ensures stable

dosing of cmazk with rotary drive, nominal rotation frequency  $0.4 \text{ s}^{-1}$  and minimal  $0.04 \text{ s}^{-1}$ . Power consumption stays under 0.05 kW. Overall equipment is designed for continuous operation with automatic filtration of cmazk medium.

## Benefits and peculiarities of exploitation

**Reduced stagnation.** Because the station cmazk CH5M 21-02, 22-02 supplies cmazk uniformly, aggregates avoid downtime from insufficient dosing.

**Increased resource.** When cmazk purity class is not lower than 12 and temperature within optimum  $+15...+40^{\circ}\text{C}$ , service life reaches not less than eight years.

**Ease of mounting.** With weight ten kilogrammes and compact dimensions, installation can be performed even on restricted surfaces.

**Stable pressure delivery.** The station cmazk CH5M 21-02, 22-02 maintains nominal 10 MPa pressure at outlets regardless of rotational speed.

**Compatibility with common hydraulic systems.** Connectivity sizes G1/4" correspond to standard fittings used in RF industrial equipment.

## Operational principle of station cmazk CH5M 21-02, 22-02

Internal architecture incorporates housing body, pumping section and rotary drive. During operation drive's shaft actuates reciprocating-oscillation motion of pusher elements. That provides cyclical supply of cmazk via two outlets to dosing points. Filter-filler and air-sensor mounted inside housing constantly monitor level and quality of cmazk medium. As a result, the station cmazk CH5M 21-02, 22-02 ensures even distribution of material even at minimal rotation frequencies.

## Temperature regime and service duration

Permissible temperature span for station cmazk CH5M 21-02, 22-02 usage lies within  $+1^{\circ}\text{C}...+55^{\circ}\text{C}$  for both surroundings and cmazk. To achieve maximum resource, optimum interval is  $+15^{\circ}\text{C}...+40^{\circ}\text{C}$ . Service life of the station cmazk CH5M 21-02, 22-02 amounts to not less than eight years provided the prescribed modes of exploitation and usage of cmazk not below purity class 12. Guaranteed interval for fault-free performance after put into service – twelve months.

## Areas of application and appropriate equipment

This piece finds wide employment on metallo-processing stations, compressive installations, press-oriented machinery and conveyor systems. The station cmazk CH5M 21-02, 22-02 becomes indispensable where precise dosing of cmazk is demanded: on assembly lines of automotive industrial processing, in urban-oriented equipment, also in stations with ЧПУ. The setup warrants uninterrupted operation of nodes of aggregates in token, free- and schizophrenics-type groups.

## Conditional designation and decoding

Model marking CH5M 21-02, 22-02 deciphers as follows: **CH5M** identifies a cmazk-type station possessing multiple outlets and adjustable parameters; numeral **2** denotes drive type – rotary; numeral **1** indicates drive arrangement – right-side; and **02** reflects quantity of outlets – two.

## Overall and connectivity dimensions

General outside sizes: width 220 mm, depth 180 mm, height 280 mm. Connectivity passages: each outlet features nominal diameter G1/4", and the inlet for cmazk feed has diameter M18×1,5. Weight equals 10 kg permitting convenient positioning in limited space.

## Typical errors during selection

**Choosing solely by flowrate without respect to pressure and connectivity.** Some users overlook that the station cmazk CH5M 21-02, 22-02 must deliver under 10 MPa; insufficient pressure leads to under-dosing.

Ignor...

### 2. Технические характеристики

Давление, МПа	10
Мощность	0,05кВт
Масса, кг	10

### 3. Комплектность

Изделие «Станция смазки CH5M 21-02» — 1 шт.  
Паспорт — 1 экз.

### 4. Свидетельство о приёмке

Изделие изготовлено и принято в соответствии с действующей технической документацией и признано годным для эксплуатации.

Дата выпуска «\_\_\_» \_\_\_\_\_ 2026 г.

М.П. Представитель ОТК \_\_\_\_\_

### 5. Свидетельство о консервации

Изделие подвергнуто консервации согласно требованиям технической документации. Срок защиты без переконсервации — 12 месяцев.

Дата консервации «\_\_\_» \_\_\_\_\_ 2026 г. Консервацию произвёл \_\_\_\_\_

### 6. Свидетельство об упаковке

Изделие упаковано в соответствии с требованиями конструкторской документации.

Дата упаковки «\_\_\_» \_\_\_\_\_ 2026 г. Упаковку произвёл \_\_\_\_\_

### 7. Гарантийные обязательства

Гарантийный срок эксплуатации — 6 месяцев со дня продажи. Изготовитель гарантирует соответствие изделия требованиям технической документации при

соблюдении потребителем условий эксплуатации, хранения и транспортирования.