

Станция смазки CH5M 21-02

Описание

Description and purpose of station смазк CH5M 21-02, 22-02

The station смазк CH5M 21-02, 22-02 constitutes professional equipment intended for centralised supply of смазк-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 смазк medium under nominal pressure of 10 MPa (or 100 kgf/cm²). It guarantees stable operation of mechanisms via precise dosing of смазк possessing kinematic viscosity in the range 10–1500 mm²/s, corresponding to class 12 purity according to GOST 17216—71.

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

Weight, overall dimensions and Код ТН ВЭД of station смазк 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 смазк 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 смазк CH5M 21-02, 22-02	Parameter	Value
	Number of outlets	2
	Nominal internal capacity of hydraulic compartment, dm ³	2.5
	Type of drive	Rotary
	Minimum rotation speed of drive shaft, s ⁻¹ (min ⁻¹)	0.04 (2.4)
	Nominal rotation speed of drive shaft, s ⁻¹ (min ⁻¹)	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 смазк CH5M 21-02, 22-02

Operating pressure for the station смазк 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 $+1^{\circ}\text{C} \dots +55^{\circ}\text{C}$. Station ensures stable dosing of cmazk with rotary drive, nominal rotation frequency 0.4 s^{-1} and minimal 0.04 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 $+15 \dots +40^{\circ}\text{C}$, 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 $+1^{\circ}\text{C} \dots +55^{\circ}\text{C}$ for both surroundings and cmazk. To achieve maximum resource, optimum interval is $+15^{\circ}\text{C} \dots +40^{\circ}\text{C}$. 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.

Ignoring temperature span. Exploitation beyond +55°C or below +1°C may damage internal components.

Mismatch of working medium type. The model handles only cmazk materials with viscosity 10-1500 mm²/s; using other mediums risks clogging.

Disregarding purity class. Usage of cmazk below purity class 12 shortens resource below eight years.

Examples of order for station cmazk CH5M 21-02, 22-02

When placing an order, specify: basic model – «Station cmazk CH5M 21-02, 22-02» (article ГИД-SN5M-21022202) ; variant with different pressure range – «Station cmazk CH5M 21-03» (for 12 MPa) ; model with alternative connectivity – «Station cmazk CH5M 31-02» for left-side rotary drive. Quantity: 1 piece. Supplementary request: include mounting fixtures, instruction book in Russian language. Delivery address: Moscow, unit Industrial processing, department 15. Equipment is dispatched in package with passport-document, manual for exploitation and certificate of conformity.

Analogues and compatibility considerations

The station cmazk CH5M 21-02, 22-02 fits typical hydraulic systems employed in Russian industrial aggregates. If existing system uses outlets of diameter G3/8", you must use adapter couplings. Consult supplier ГИДРАВЛИКА technologist for advice on analogues based on pressure, flow and connectivity.

Brand: ГИДРАВЛИК. Supplier company: ГИДРАВЛИКА, which ensures technical support throughout selection, installation and ongoing service. All stations undergo 100% testing prior dispatch. Delivery to RF cities and SHГ countries performed by transport companies within two to seven working days. By ordering the station cmazk CH5M 21-02, 22-02 from us, you receive original product manufactured by supplier ГИДРАВЛИКА with direct price, without

intermediaries. Use order form to place request now and avail of reliability of our equipment.