

Getter pumps

General description

Getter pumps are pumps using physical adsorption of gases to remove them from a vacuum volume.

A significant advantage of the getter pumps is the absence of oil in the construction that allows one to obtain "oil free" vacuum thereby. Usually getter pumps are used as a prevacuum pumps.

In some cases the getter pumps are used as self contained means for getting medium and high oil-free vacuum.

The getter pump design includes a heating unit providing necessary temperature conditions and an active element for gas absorption.

As an active element defining vacuum and sorption properties, use is made of the same materials that are in the nonevaporative getters.

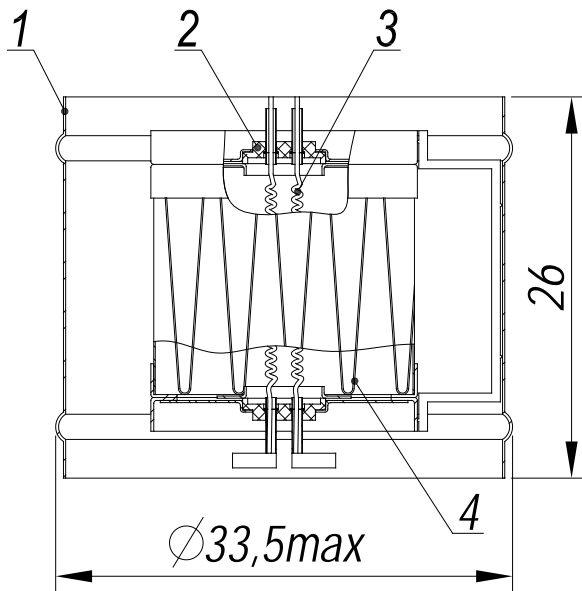
Specifications

Absorption capacity by hydrogen (carbon monoxide) is the major characteristics of the pump activity indicating the amount of gas irreversibly absorbed by the pump (at room temperature after preactivation).

Electric parameters of the heater determining the temperature conditions of the getter pump activation and degassing.

Minimum amount of possible reactivation cycles at which the pump absorption capacity deteriorates to a value not less than 10% of the nominal value.

Getter pump НГЦ-3



Designation	Active surface cm ² , not less than	Degassing mode		Activation mode		Hydrogen adsorptive capacity, лПа, minimum
		Heater current, А	Time, МИН.	Heater current, А	Time, МИН.	
НГЦ-3	80	1.7-2.1	20-25	2.6-2.9	25-30	300