



NEFTEKAMSK MACHINERY PLANT  
OF SPECIAL EQUIPMENT

CENTRIFUGAL DEGASSER

**CRUISER**

**MK 767-TS-262-22-UKhL3.1-0**



**CRUISER MK 76X-X-XXX-XX-XXXX-X**

- DEGASSER MODIFICATION
- CLIMATIC CATEGORY AS PER GOST STANDARD 15150-69
- MAIN DRIVE CAPACITY, kW
- MAXIMUM THROUGHPUT CAPACITY (M<sup>3</sup>/HOUR)
- DEGASSER TYPE  
(A-atmospheric, TS – centrifugal, V-vacuum)
- DEGASSER MODEL
- MANUFACTURER'S BASIC DESIGNATION OF DEGASSERS
- MANUFACTURER'S TRADING MARK

### OPERATING PRINCIPLE

Degasser MK 767 is a technical unit designed to remove gases from drilling mud in mud cleaning systems. The degasser operates as a combination of a centrifugal pump and centrifuge.

The bottom part of the degasser is immersed in the drilling mud to be cleaned containing associated gases dissolved in it. When the installation is turned on, the blades located in the bottom part of the degasser begin rotating and lift the drilling mud up. Under the action of centrifugal forces, a thin layer of liquid is formed on the walls of the degasser, due to this, the buoyancy force acting on the gas bubbles in the mud increases. At the moment when the bubbles reach the surface of the mud, they become free gas, are separated from the mud and removed from the unit.

### CORROSION PROTECTION

The rotating blades of the degasser mixer are made out of stainless steel, which extends the operational life.

### SAFETY

All the electrical equipment of the unit is explosion-proof, which guarantees safe operation of the unit.

### RELIABILITY AND CONDITIONS OF WORK

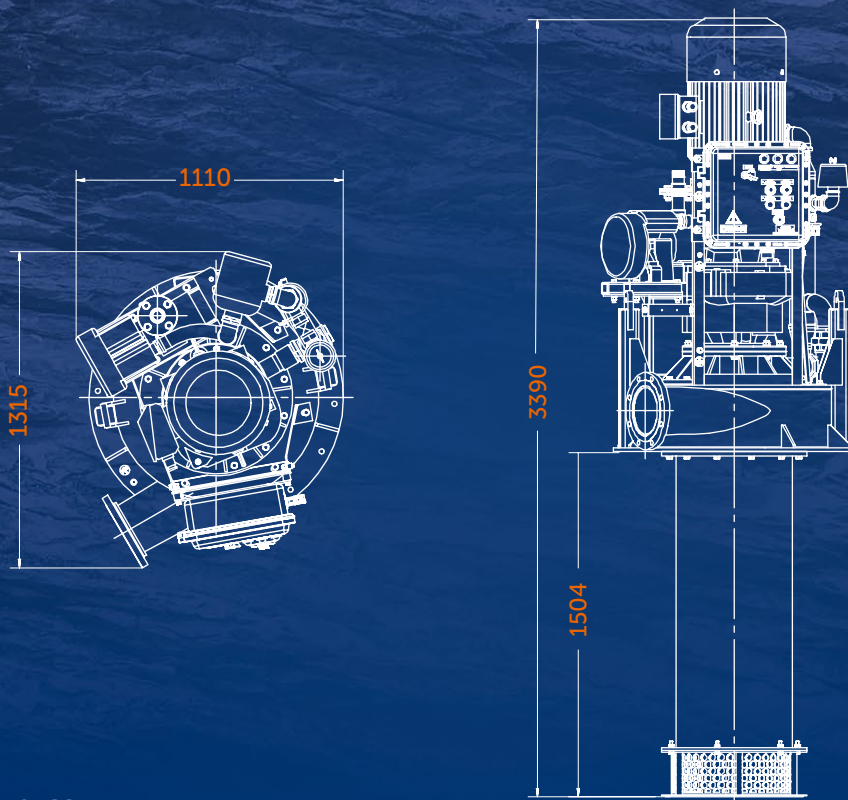
In the blade drive and gas removal system, the degassers are equipped with components of increased reliability and improved noise characteristics.

### EFFICIENCY AND PERFORMANCE

Due to the use of centrifugal principle of operation, the degasser has increased productivity and efficiency in removing gases.

19 Magistralnaya St., Neftekamsk, Republic of Bashkortostan, 452683, Russia

Tel. +7 (34783) 2-02-02, 2-00-13, 7-02-39 | [www.nkmzst.ru](http://www.nkmzst.ru), [st@nkmz.ru](mailto:st@nkmz.ru)



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### TECHNICAL SPECIFICATIONS

Description		Value
Productivity, max.	m <sup>3</sup> /hour	262
Maximum drilling mud density	g/cm <sup>3</sup>	2.2
Gas pumping method		Exhausting fan
Drilling mud inlet diameter	mm	484
Drilling mud outlet diameter	mm	200
Gas outlet diameter	mm	44
Impeller outer diameter	mm	461
Power consumption:		
Main motor drive	kW	22
Exhausting motor drive	kW	1.5
Electric equipment voltage, 3 phases		3 phases, 380 V
Frequency	Hz	50
Electric equipment protection level		Not lower than IP 54
Explosion protection level		II Gbc IIBT4
Frame type		On one base plate
Operating temperature	°C	-10 to +40
Overall sizes	mm	1180 x 1150 x 3390
Mass, max.	kg	1485

In connection with continuous centrifugal degasser improvement work in order to increase reliability and performance, changes may be made to the design that are not stated in this description.



**Manufacturer: NKMZ-ST, Ltd.**

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