

# Helium cryostats OMBBC-He5 and OMBBC-He10



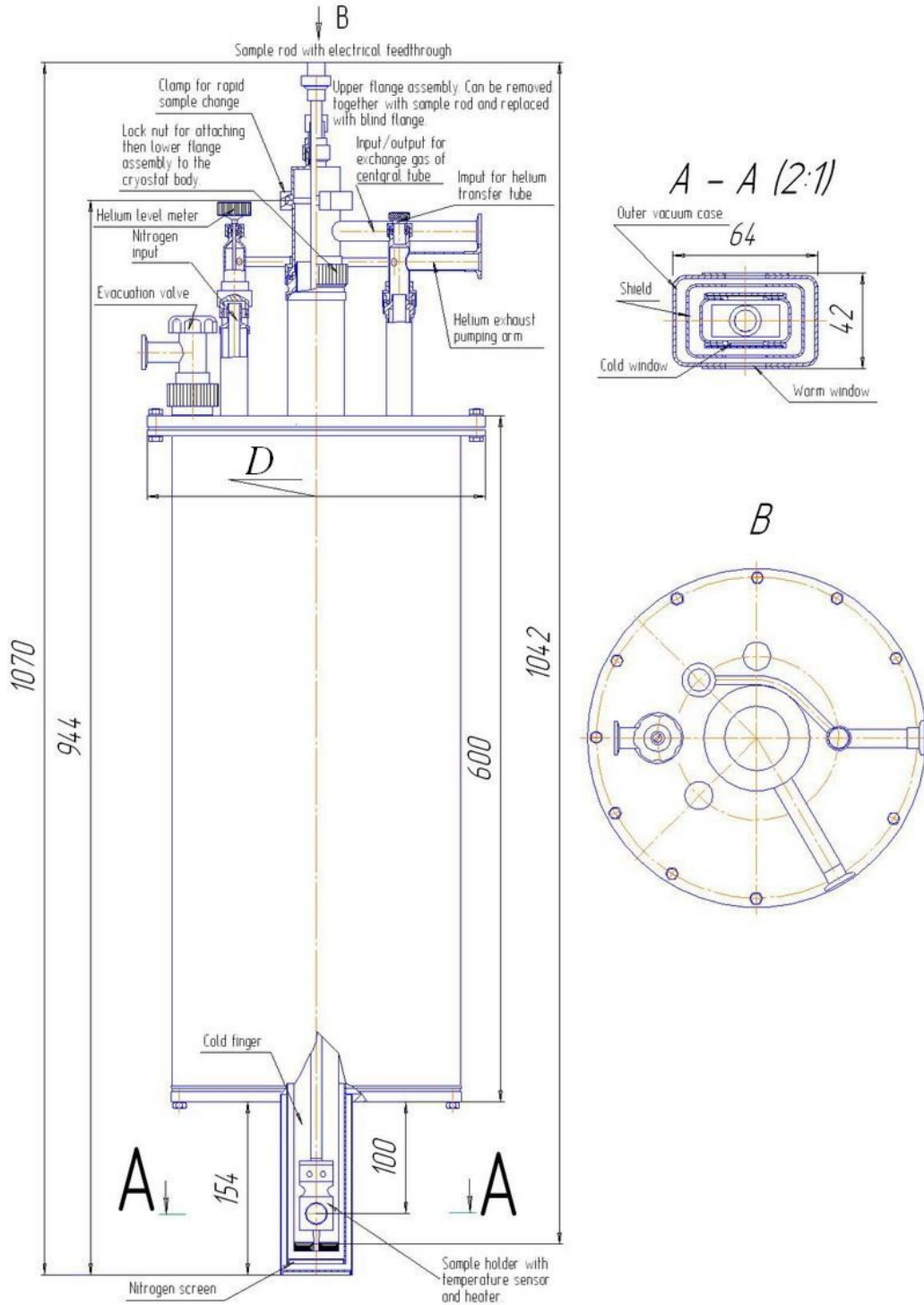
Helium cryostats are intended for optical and mossbauer investigations in the temperature range 4,2 – 300 K. Sample cooling is realized by means of heat exchange between working cell and cryogenic reservoir. Temperature regulation and control are made by using the chain consisting of a heater and a temperature sensor. Horizontal windows are setted in the bottom of the cryostat. For mossbauer measurements, the cryostat can be provided with mylar windows. For optical measurements, windows are made from a transparent to necessary wavelength material.

## Specifications:

	<b>OMBBC-He5</b>	<b>OMBBC-He10</b>
- volume of the helium reservoir, dm <sup>3</sup>	5,1	10
- volume of the nitrogen reservoir, dm <sup>3</sup>	8,4	17
- duration of the liquid helium keeping, honors	36	72
- duration of the liquid nitrogen keeping, honors	60	90
- internal section of the working cell, mm	18x38	18x38
- warm windows diameter, mm	18	18
- cool windows diameter, mm	16	16
- diameter of top flange D, mm	300	400*

\*in case of need volume of the helium reservoir 10 dm<sup>3</sup> can be created by means of cryostat height change at D=300 mm.

# Construction of helium cryostat



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