



## MCHP Mounting cabinets for mounting hydraulic panels, measuring instruments, primary transducers, etc.

Cabinets are designed to accommodate devices, automation equipment, heating and ventilation systems and auxiliary equipment. The cabinets are a welded structure made of carbon steel with a polymer coating. From the front, the cabinet has an opening door with a transparent window. For installation of devices in the cabinet there is a mounting panel.

Cabinets, depending on the version, can be operated both in heated rooms and in the open air.

Cabinets provide protection of the equipment against extraneous interference and environmental influences, maintaining the temperature for the normal functioning of

the mounted in the cabinet of equipment, convenience of connecting auxiliary equipment.

Depending on the location of the cabinet in an open area or indoors, the cabinets have several versions: without a heater (version 1); with a heater (version 2); with a heater in a double cabinet (version 3). Alufol - foil foamed polyethylene is used as a thermoisolator.

To maintain the temperature sufficient for the normal functioning of the placed equipment in the cabinets of versions 2 and 3, an electric heater with a thermostat is installed. The cabinets can also be equipped with a forced ventilation system.

### BASIC TECHNICAL SPECIFICATION AND PARAMETERS

Overall sizes (WxHxD):

- version 1	400x530x210 mm
	500x630x210 mm
	500x730x210 mm
	600x1030x210 mm
- version 2	507x650x224 mm
- version 3	507x650x324 mm

Degree of protection against penetration of dust and water IP54

Operation temperature:

- version 1	(T=(+5..+50) °C, f<80% on T=25°C
- version 2	(T=(-40..+50) °C, f<100% on T=25°C
- version 3	(T=(-50..+50) °C, f<100% on T=25°C

The influence of vapors of aggressive substances (acids, alkalis, etc.) not allowed

AC Power Supply Voltage for heater (100... 240) V / 50 Hz

Supported temperature inside the cabinet\* 5 .. 50 °C

Material of cabinet carbon steel with polymer powder coating

Insulation material\* alufol (foamed polyethylene, covered with aluminum foil, flame-resistant (group G1), hardly inflammable (group B1), radiation-resistant)

Operating mode continuous

\* For cabinets of versions 2 and 3

### Contents of delivery

- Cabinet with internal devices and accessories installed \*

- Set of operational documentation

\* As agreed with the customer, in addition to the measuring device, the following additional equipment can be mounted in the cabinet:

heating system (for cabinets in versions 2 and 3);

ventilation system;

measuring cells for sensors;

microcompressor or pump for sensor cleaning system;

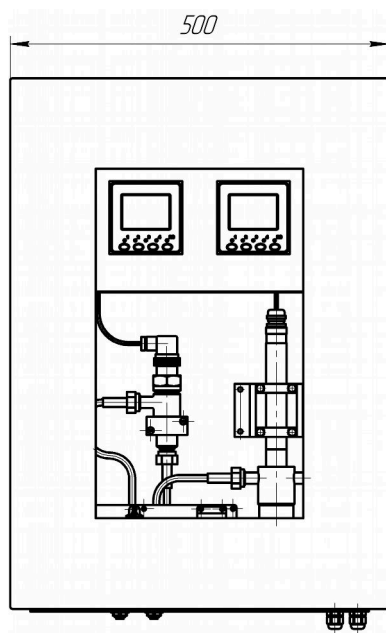
hydraulic system for sample preparation.

## EXAMPLES OF CABINETS

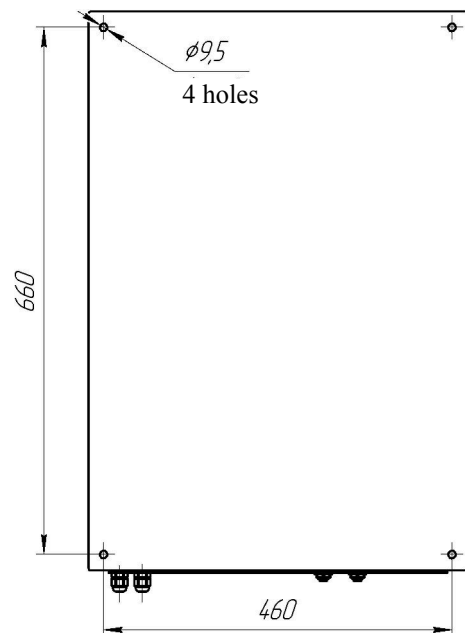
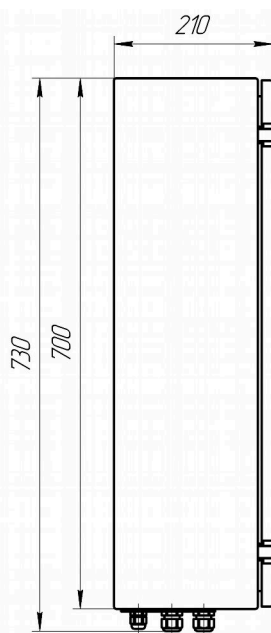


a) Front view

b) Cabinet with open door



c) Overall sizes of cabinet



d) Mounting of cabinet

**Figure 1 Example of cabinet (version 1) with analysers  
C-3122 (with holder HF-3.3-01), pH4122 (with holder HF-3.4-01 )  
operating temperature (+5 до +50)°C**

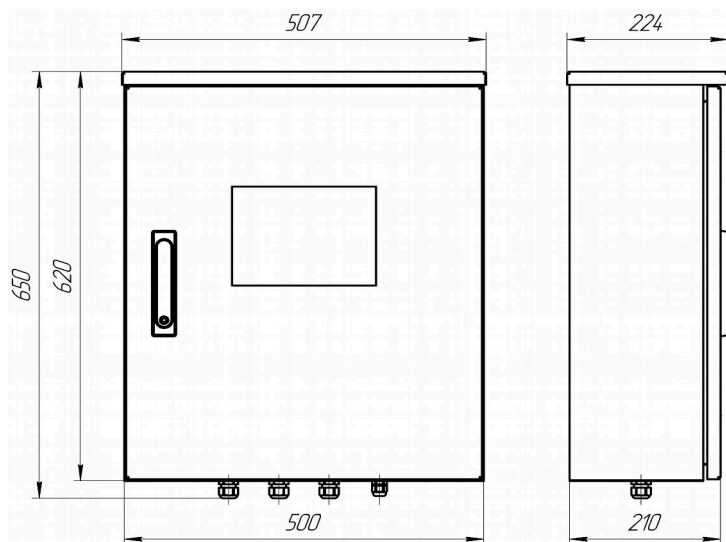
In addition, a hydraulic system with flow regulators and cells for sensors is mounted in the cabinet. The measuring instruments are located on the opening inner door.  
There is a highlight of the contents of the cabinet



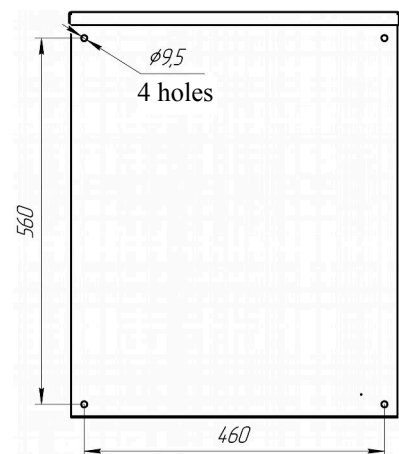
a) Front view



b) Cabinet with open door



c) Overall sizes of cabinet



d) Mounting of cabinet

**Figure 2 Example of cabinet (version 2) with analyser DO5051  
operating temperature (-40 до +50)°C**

The measuring instrument is located on the mounting panel.  
There is adjustable heating to maintain the desired temperature inside the cabinet.

### Example of the designation when ordering:

#### **MCHP-2-507x650x224**

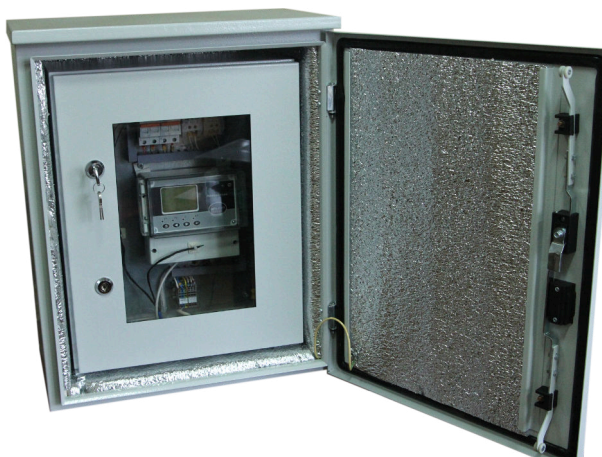
- cabinet **MCHP-2** (version 2 with heater), overall sizes 507x650x324 mm. Without auxiliary equipment;

#### **MCHP-3**

cabinet **MCHP-3** (version 3), in addition compressor for sensor cleaning system.



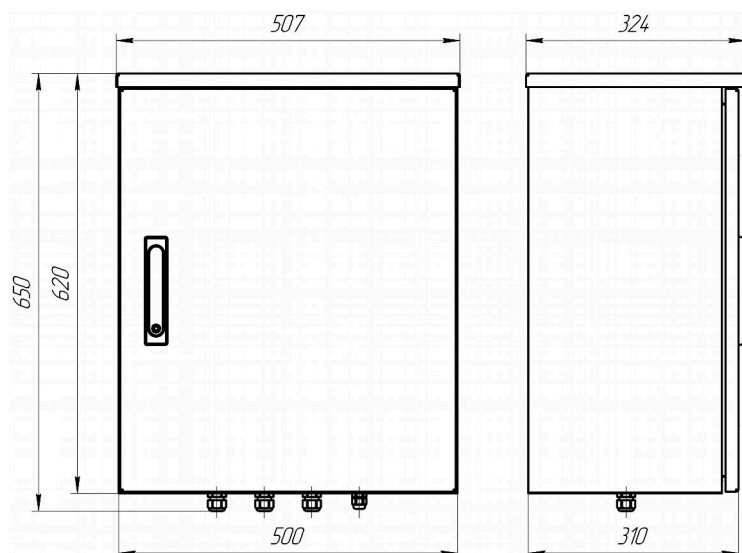
a) Front view



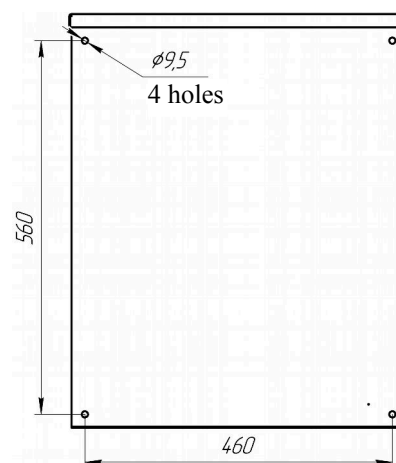
b) Cabinet with open outer door



c) Cabinet with open inner and outer doors



d) Overall sizes of cabinet



e) Mounting of cabinet

**Figure 3 Example of cabinet (version 3) with analyzer DO5101  
operating temperature (-50 до +50)°C  
(double doors, thermo insulated, heated)**

The measuring instrument is located on the mounting plate.

There is adjustable heating to maintain the desired temperature inside the cabinet.