



#### TECHNICAL SPECIFICATIONS

Protection class:	I
Output:	approx. 4 dm <sup>3</sup> /h
Water consumption rate	approx. 50 dm <sup>3</sup> /h
Electrical power input	3 kW
Rated voltage:	230 V AC
Weight:	8 kg
Overall dimensions	Ref. Fig. 1



#### INTENDED USE:

The electric distiller treats water to remove dissolved mineral salts and gases by distillation. It is intended for chemical and pharmaceutical laboratories. The device produces water of the quality conforming with Polish Pharmacopoeia X.

#### DESIGN:

The electric distiller is a standalone, continuous duty device. The components in contact with water and steam are brass or copper, and galvanized with tin in either version. The distiller is provided with flow rate control to set the minimum cooling water consumption rate for the nominal distillate production output. The distiller features a temperature control which stops the heating element when the water level in the drum becomes low.

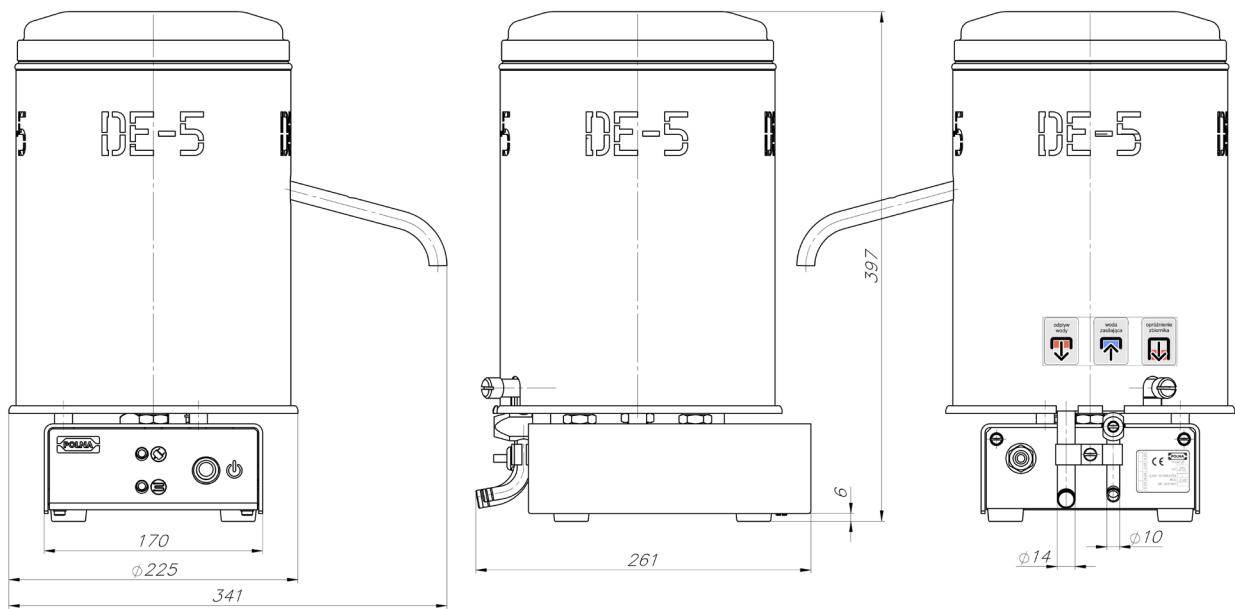
Use product water from water mains.

#### OPERATION:

The water which enters the distiller is preheated while flowing through the cooler and accumulates in the drum to the required level. Excess water is evacuated from the device through an overflow line. The heat output of the heater brings the water in the drum to boil, generating steam which enters the cooler where its temperature is reduced and thus, the steam is condensed, leaving the cooler as the distillate. The partial condenser installed in the cooler prevents non-evaporated water from contaminating the distillate.

#### ORDERING:

Specify the type and name of the distiller when ordering.



Overall dimensions of Type DE5 electric distiller