



B+C COMPENSATION SYSTEM

Ref. C20-00140



Dear Client,

Thank you for choosing this AUTONAUTIC INSTRUMENTAL product. We are sure you will be happy with your choice as it was designed to meet your requirements.

Mounting and operation

- The distance to any magnetic influence should be at least 50 cm.
- The compass has to be installed outside a closed environment of magnetic iron because this will shield the earth's field
- You must install your compass at a sufficient distance from the influence of any magnetic field: main engine, windscreen wiper motor, fire extinguisher, other compasses, speakers, etc. Any magnetic disturbance may affect the compass. In addition, the magnetic fields are variable and variable fields cannot be corrected on principle.

The B+C corrector kit consist of two identical devices, one for B-correction (caused by the ship's permanent longitudinal field) and one for the C-correction (caused by the permanent athwartships magnetism). Each device will correct the compass dial between 35°-40° degrees. For this a distance of at least 150mm is necessary between the nearest point of the device and the directional compass system. Increasing this distance will reduce the maximal deflection.

Unscrew the two screws and remove the U-shaped cover to open the corrector system. Each corrector contains two magnets, which can be inserted to the different holes. Red marked side of the magnets in one direction will have opposite deflection to red side in the other direction. The number and distance of the magnets to the directional system determines the amount of the deflection. A far position will cause less deflection.

The B-corrector device for adjustment of the ship's permanent longitudinal field to be fixed port or starboard of the compass. One may fix the device horizontal, upright or between, this will make no difference.

***IMPORTANT:** It is necessary that finally the magnets are orientated exactly in for and aft direction of the vessel

The C-corrector device for adjustment of the permanent athwartships field has to be fixed or aft of the compass. One may fix the device horizontal, upright or between, this will make no difference.

***IMPORTANT:** It is necessary that finally the magnets are orientated exactly athwartships of the vessel

A correct adjustment is essential for a safe and reliable navigation. It is necessary that the adjustment will be done by a qualified compass adjuster.

Safe and reliable navigation will protect ship and crew against collision, grounding or similar.

