ABSTRACT

The present invention provides a marine cryogenic cargo pump, relating to the field of cryogenic pumps, including a cryogenic cargo pump, wherein the cryogenic cargo pump includes an intermediate section, a cylinder body, a suction section, a motor housing, and a motor cover connected to one another and constituting an outer shell of the cryogenic cargo pump, a side wing is fixedly provided around a lower end of the motor cover, an arcuate mounting seat is fixedly provided at a lower end of each side wing, the arcuate mounting seat is fixed on a tank bottom through a pump support, and a gap for liquid flow is reserved between a lower end of the suction section and an interior of the tank bottom; stopper blocks corresponding to each other are fixedly provided at both ends of the intermediate section; and a clamping assembly, including main steel plates fixedly provided at both sides of an upper end of the arcuate mounting seat, wherein L-shaped plates are arranged at both sides of each main steel plate, and a buffer pad configured to clamp and fix the stopper block is fixedly provided on a side of each L-shaped plate facing the other L-shaped plate. With the above arrangement, the present invention has a capability of automatically locking during a process of clamping and fixing stopper blocks at both sides of the cryogenic cargo pump, thereby improving fixing and buffering effects on the stopper blocks and keeping the stopper blocks always in contact with the buffer pads.