

The invention relates to the device for removal of oil and debris from water basins. A self-propelled oil skimmer is a ship installation - a catamaran with limited navigation area. It consists of hulls with water-jet engines, a vacuum chamber for intake of a thin layer of film of oil products with water, as well as devices for debris collection. Each catamaran hull is equipped with a structurally conjugated sump, polypropylene filters, a receiver with vacuum pumps and tanks for reception of oil and water. The chamber for intake of a thin layer of film oil products with water is made in the form of a float structure located between the hulls, the intake channel of which is connected with a fabricated pipe located along the float structure. The latter through at least one device of automatic adjustment of liquid flow rate equipped with a throttle is connected with the sumps. Each of the tanks is equipped with at least one thin synthetic mesh that is able to stop horizontal movement of the liquid across entire cross section of the sump. The technical result is increase of the efficiency of water purification while increasing reliability.