

The invention relates to the field of engineering hydraulics, in particular to the hydraulic drives with closed working fluid circulation system, used, for example, in mechanical engineering, shipbuilding, machine-tool building and aircraft building.

The hydraulic drive with closed working fluid circulation system comprises a hydraulic accumulator (1), connected by a pipeline to a fixed hydraulic pump (2) of single rotation with a drive motor (3). The hydraulic pump (2) is connected via pressure (4) and return (5) pipelines to a hydraulic distributor (6), provided with an operating lever (7). The hydraulic distributor (6) is connected by pressure-return pipelines (8, 9) to the chambers of a double-acting hydraulic motor (12) with piston (13) and stems (14, 15). Between the pressure and return pipelines is included a check valve (16).

The hydraulic distributor is made of crane-type, three-position, six-way, consisting of a cylindrical body, in which is installed by means of seals and bearings a shaft, closed on one side with a cover, and on the other side - with a pressure washer. On the shaft is fixed the operating lever. In the cylindrical body and the shaft are made in two levels - pressure and return, - three holes and three flow channels, respectively, in the same plane, which upon switching of operating lever alternately create pressure and return flow channels.

Claims: 3

Fig.: 12

