

An axial-plunger hydro-machine has inclined washer, pressing sphere, rotary on shaft and connected to it with toothed engagement cylinder block with spring and plungers, shoes of which are installed in separator and rest on toe placed between the shoes and inclined washer. On support surfaces of the shoes and the toe there is chambers of hydrostatic relief, and on the plane of inclined washer arc slot is provided on side of suction, this connects to each other shoes of hydrostatic relief of the toe in suction zone. Such implementation increases resource of operation of hydro-machine.