

The invention relates to the production of liquid and/or gaseous mixtures, and can be used in the preparation of emulsions or suspensions with heating, heating of buildings, heating of pipelines with viscous products, etc. The device for intensification of liquid and/or gaseous substance mixing and heating processes comprises a cylindrical body with a working chamber, wherein is mounted a drive shaft (3) with a rotor in the form of a disk (21) with movable ferrules (22), an impeller (32), mounted on the drive shaft (3), fixed ferrules (24), attached to the wall of the cover (14) of the body to form a stator, inlet (29) and outlet (16) fittings. The inlet fitting (29) is provided with a conical flow distributor (27). The device also comprises a conical distributor (30) with grooves, and a perforated flow reflector (25), made in the shape of a truncated cone. The drive shaft (3) is fixed in a bearing support, which comprises a cylinder (5), wherein are placed on both sides of the shaft (3) two bearings (6), (9), gaskets (10) and a threaded plug (4). The cylinder (5) is provided at the end with a half-coupling (2) with a heat-insulating lining (1).

Claims: 6

Fig.: 2

