

### Ex Protection ATEX 100a

KEM electronics are available in Ex-protected design, ATEX 100a Ex II 2 G EEx ia IIC T6/T4, and with the intrinsically safe power supplies type EWS. Turbine flow meters can be operated within Ex zone 1.

## 3.2 Spare Parts for Turbine Flow Meters

Pickups, amplifiers and repair kits are available as spare parts.

A repair kit includes:

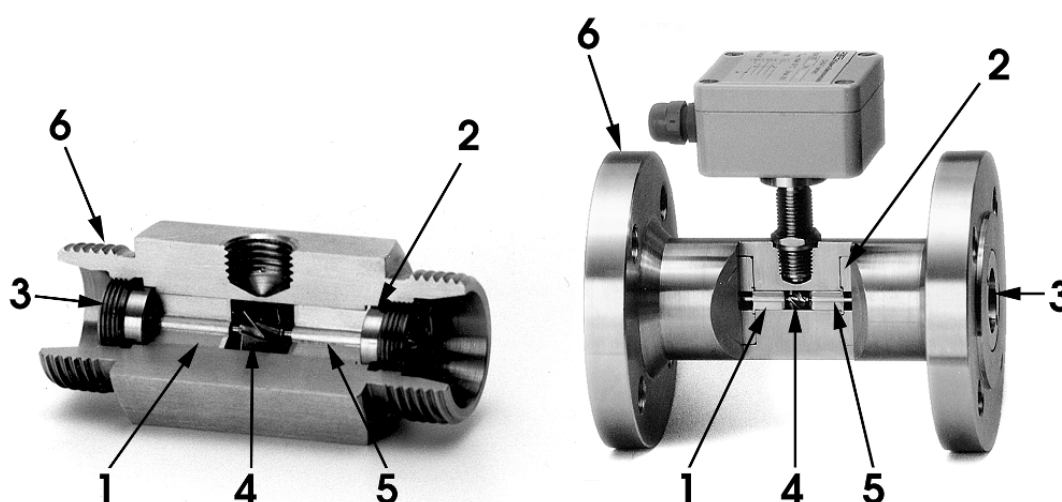
### Two flow rectifiers with bearings

located by projections to groove inside the housing. The projections are wedged between spacers (Ermeto turbines) or inlet cones (flange turbines) and a recess in the body. The spacers are fixed by ring nuts (3).

Ball bearings inside the rectifier bores absorb the axial forces.

### One turbine wheel with shaft

the wheel is placed between the rectifiers. The shaft goes inside the bearing holes of the rectifiers.



### Turbine with Ermeto fittings

- 1 = flow rectifier with bearing
- 2 = spacers
- 3 = ring nut
- 4 = turbine wheel with shaft
- 5 = ball bearing inside
- 6 = Ermeto fitting

### Turbine with flanges

- 1 = flow rectifier with bearing
- 2 = inlet cone
- 3 = ring nut
- 4 = turbine wheel with shaft
- 5 = ball bearing inside
- 6 = flange