ROTTATING SYSTEM
01 Upper hollow shaft
02 Rotor
03 Lower hollow shaft
04 Drawing off nozzle
05 Motor shaft
06 Armature
07 Tachometer assembly and anchoring clamp

UPPER GAS SEAL
A Gas chamber
B Trap chamber
10 Housing of the upper gas seal
12 Gas inlet
16 Evacuation conduit
18 Oil drain

MOTOR
M Motor chamber
20 Motor base plate
21 Upper bearing
22 Stator assembly
23 Cooling jacket of the stator
24 Pressure chamber of the oil piston pivot bearing
25 Packing of the oil piston pivot bearing
26 Lower cellar bearing
27 Oil collecting main
28 Upper damping bearing
29 Detector choke of the oscillation measuring device

SAFETY CASING
D Casing chamber
30 Oil catcher
31 Safety casing
32 Cooling coil
33 Screwing ring
34 Seal ring
35 Protective lining
36 Guard ring
37 Gliding plane for anchoring clamp 38
38 Anchoring clamp for the connection of the lower
gas seal with the safety casing
39 Oil collecting main

LOWER GAS SEAL
E Blocking chamber
F Gas chamber
40 Lower lid of the safety casing
41 Connection for the gas trap
43 Evacuation conduit
45 Oil drain
47 Oil drain

FOUNDATION
51 Apparatus support
52 Counter-oat of the lower gas seal
53 Concrete foundation

Figure 1
The Present German 300 Meter-Per-Second Gas Centrifuge