The sample tray of the AS-GF has space for 100 sample cuts (with V = 1.5 mL) and 8 central cups for diluent, special samples, standards, modifiers etc. (with V = 5 mL).

The AS-GF is hung in the adapters provided in the sample chamber and electrically connected to the ZEEnit 700 P. The device parameters of the AS-GF are set with the ASpect LS control software.

3.3.2   Mobile cooling unit KM 5

Please observe the information provided in the instruction manual of the mobile cooling unit KM 5.

The graphite tube furnace of the ZEEnit 700 P is cooled by the mobile cooling unit KM 5 via a circulating cooling system. The working principle is an air-cooled heat exchanger with fan. The effective cooling power of the air-cooled mobile unit is therefore only available when the programmable set point is at least 7 °C above room temperature. The maximum set point value is 50 °C. The alarm value is always 15 °C above the set point value. If cooling performance is no longer effective, a temperature alarm contact switches off the cooler and the spectrometer.

The KM 5 has to be filled with 5 L of softened water (not distilled water). The cooling water temperature can be set.

3.3.3   Solid autosamplers SSA 600 and SSA6

The solid autosamplers SSA 600 and SSA 6 are absolute preconditions for solids analysis in the graphite tube technique. These enable reproducible placement of the IC sample carrier mounted with the solid sample into the graphite tube.

The solid autosampler SSA 600 enables automatic transport of solid samples into the graphite tube furnace. Weighing is performed fully automatically with an integrated microbalance. The solid autosampler SSA 600 has 84 sample positions when using 2 sample plates.

The SSA 6 has been conceived for manual operation and requires an external balance. The sample mass must be transferred manually to the sample table.

A full description of the solid autosamplers can be found in the operating instructions "Solid autosampler SSA 600" or "Solid autosampler SSA 6".