

METELCAD (project. nu 222343): Figures and drawings

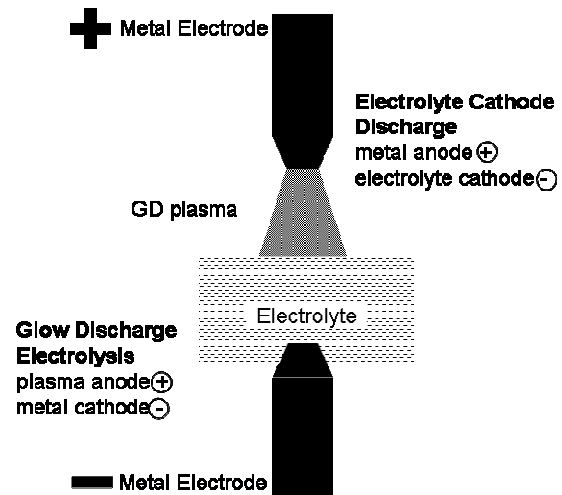


Fig.1 The theoretical scheme of the METELCAD system

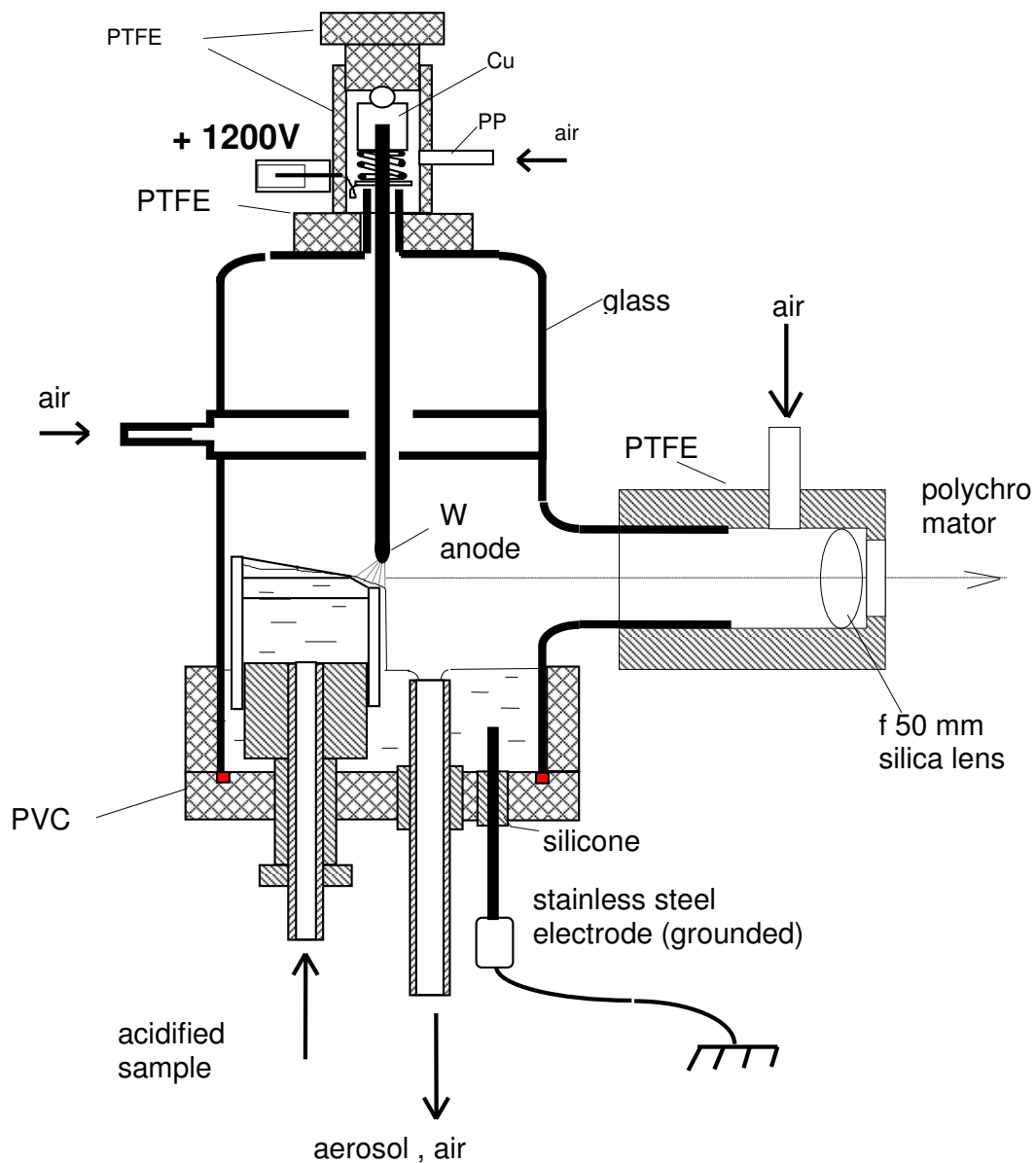


Fig. 2 The demonstration discharge cell of the ELCAD heavy metal concentration monitoring method for wastewaters

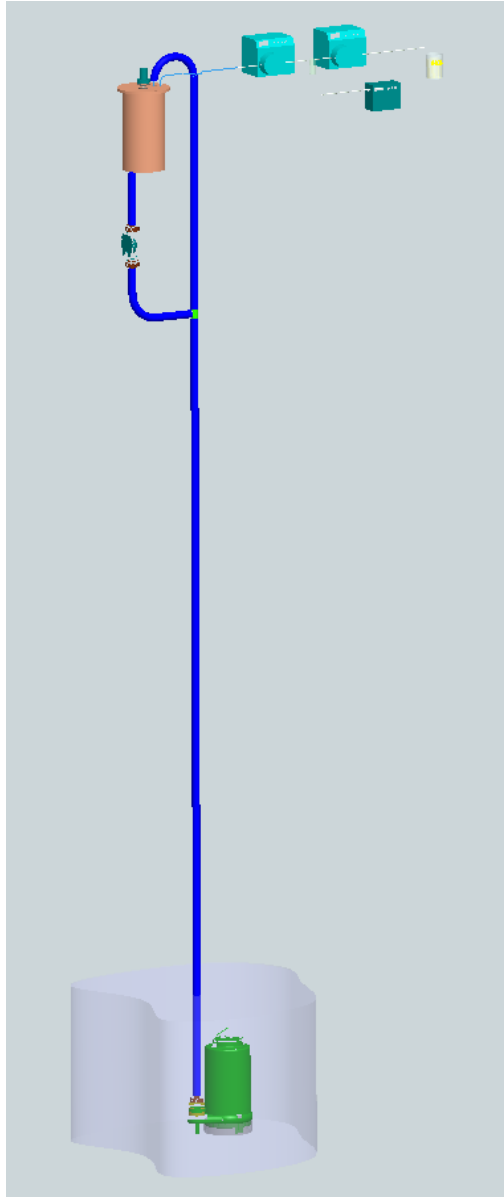


Fig.3 The physical arrangement of the sampling unit

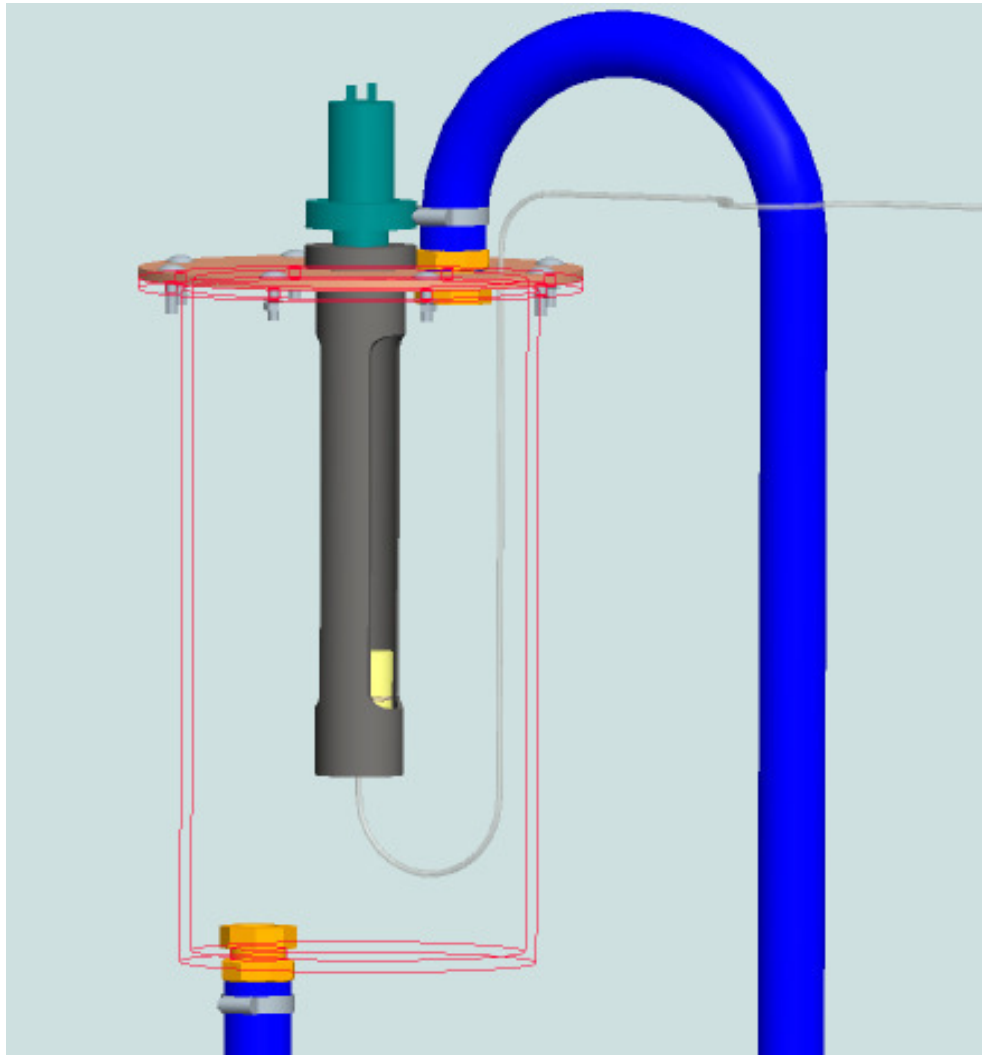


Fig. 4 Position and tubings of the analytical sampling unit in the raw water sample vessel

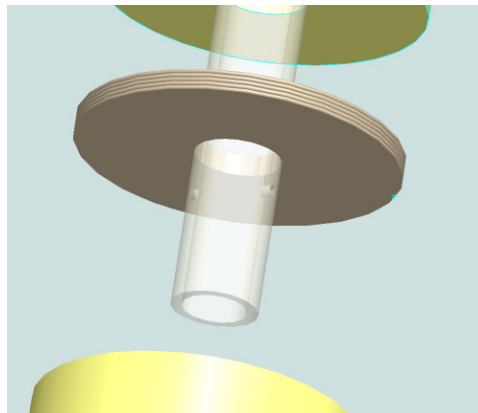
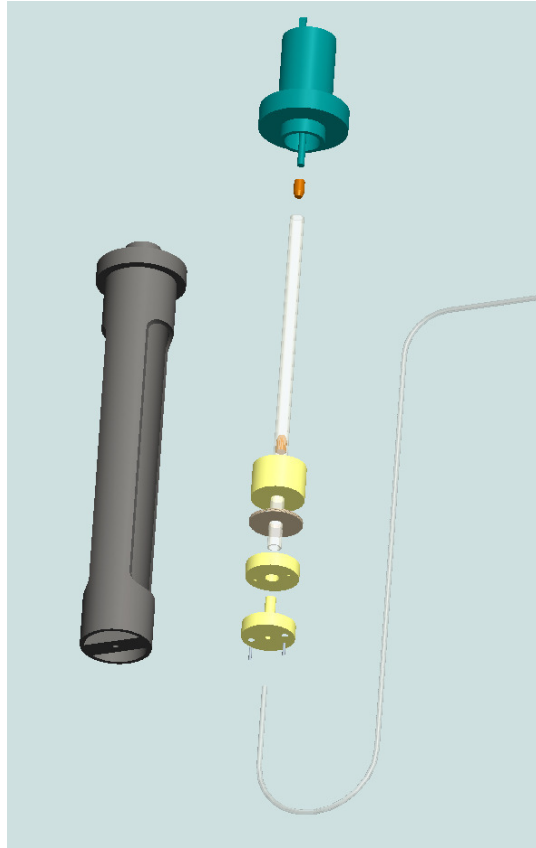


Fig. 5 Blown-up structural scheme of the Centrifugal Slit Filter unit

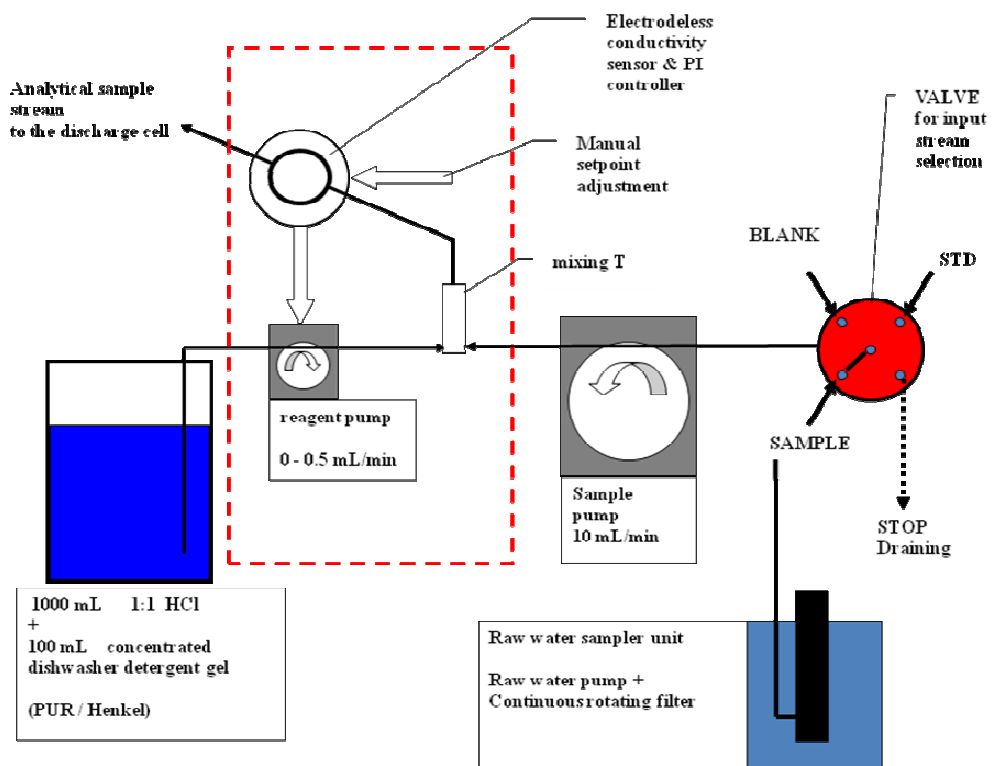


Fig. 6



Fig. 7 Picture of the contactless acidity sensor

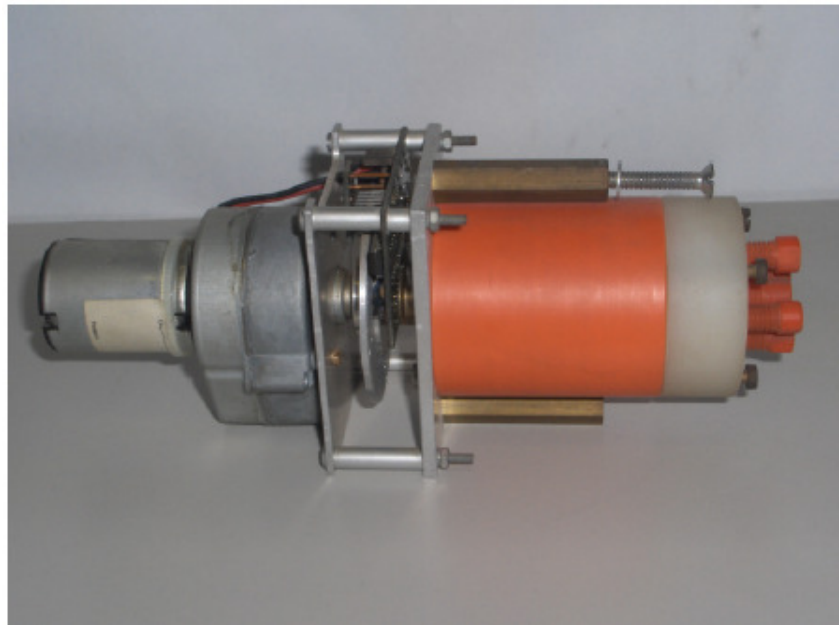
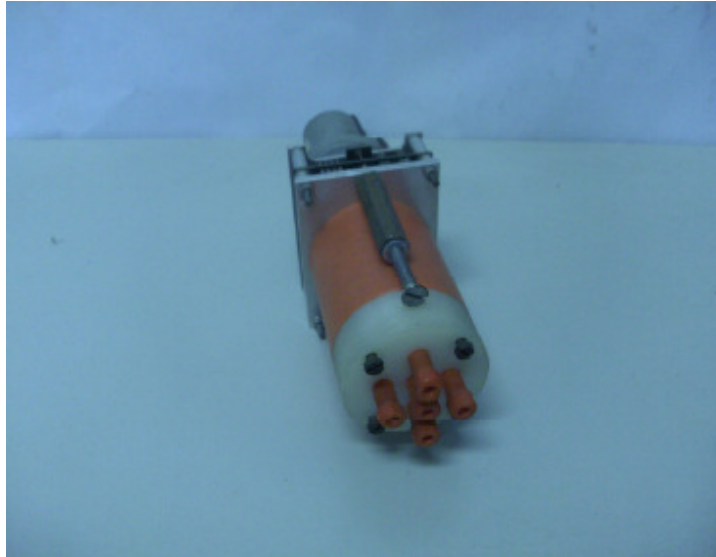


Fig. 8 Picture of the wide bored rotating valve

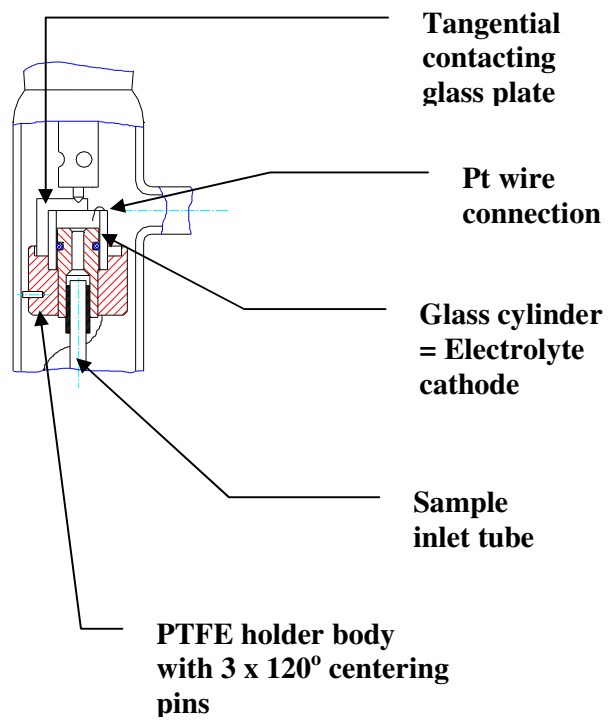


Fig. 9 Scheme of the solution cathode flowing system

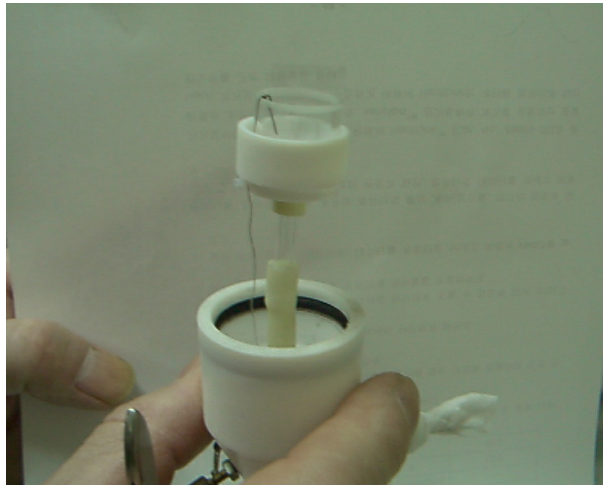


Fig. 10 Picture of the solution cathode vessel and the discharge cell

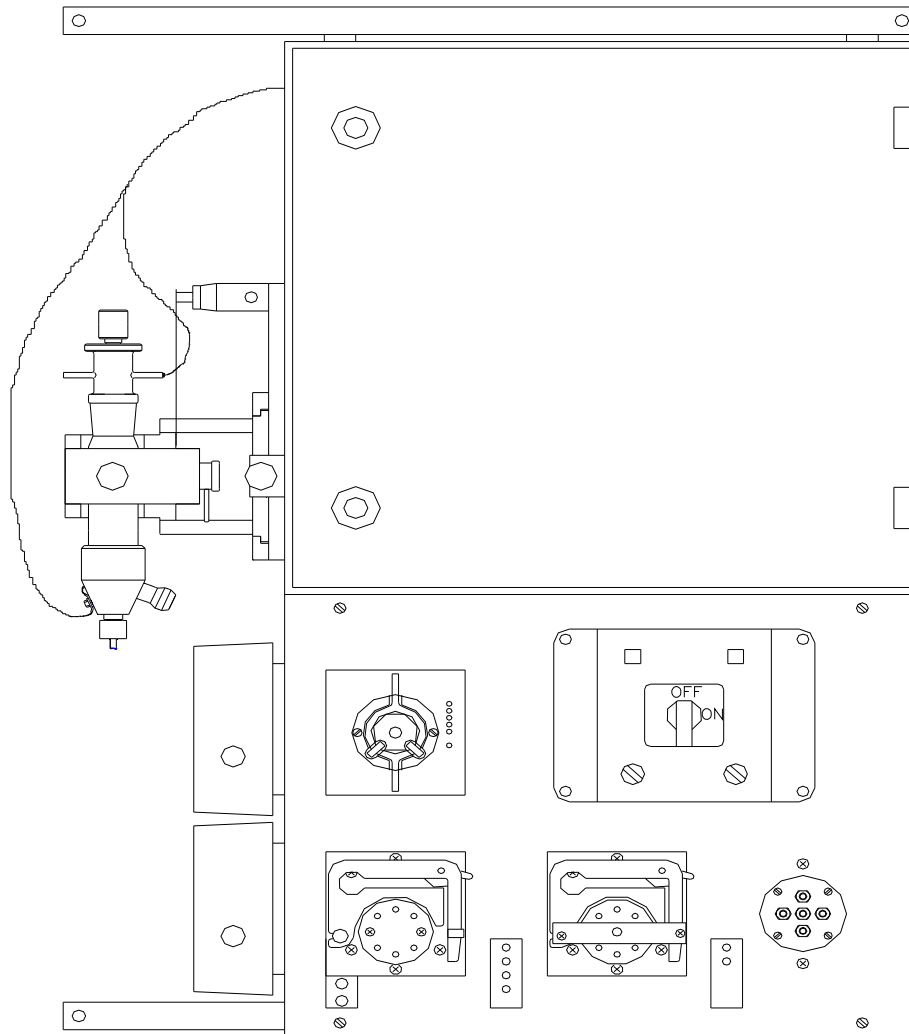


Fig. 11 Arrangement scheme of the parts in the METELCAD monitor

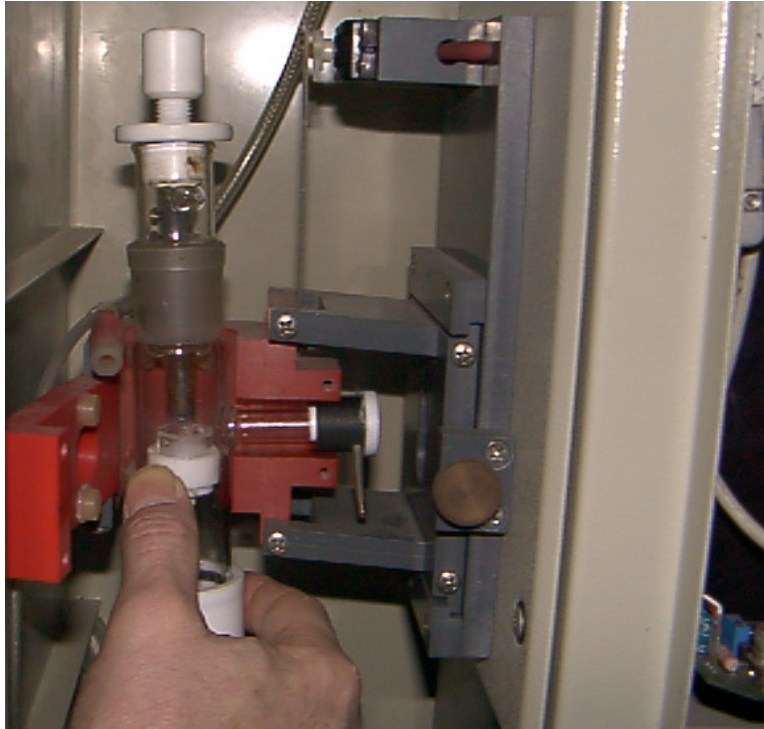


Fig. 12 Maintenance access of the discharge cell in the monitor

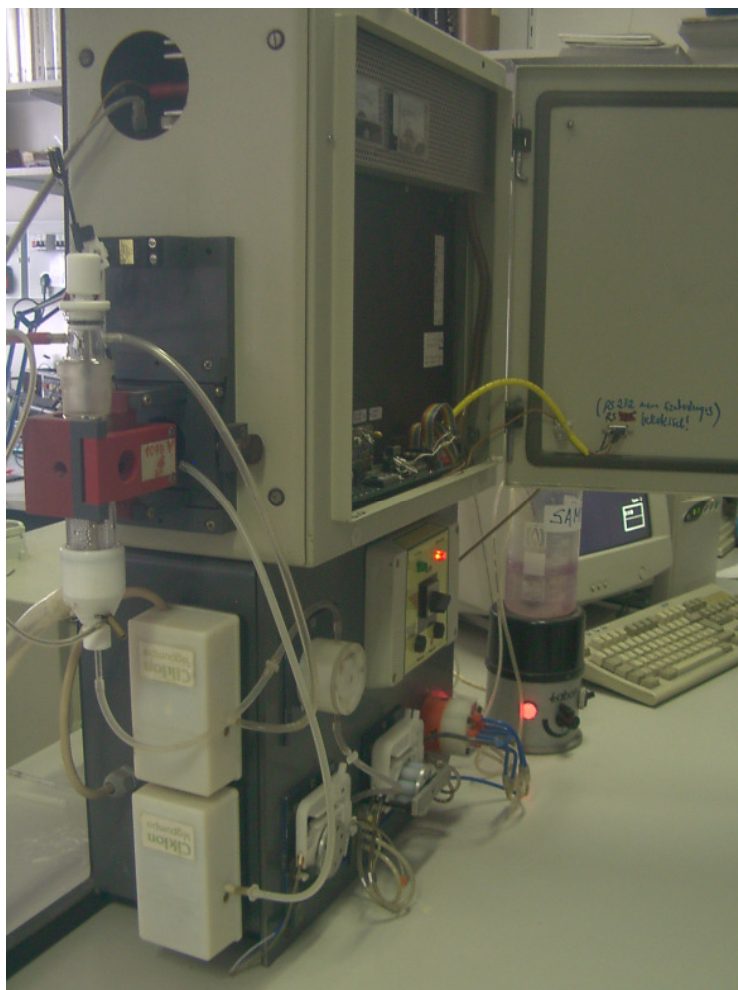


Fig. 13 The assembled monitor (without its housing) is running on laboratory testing

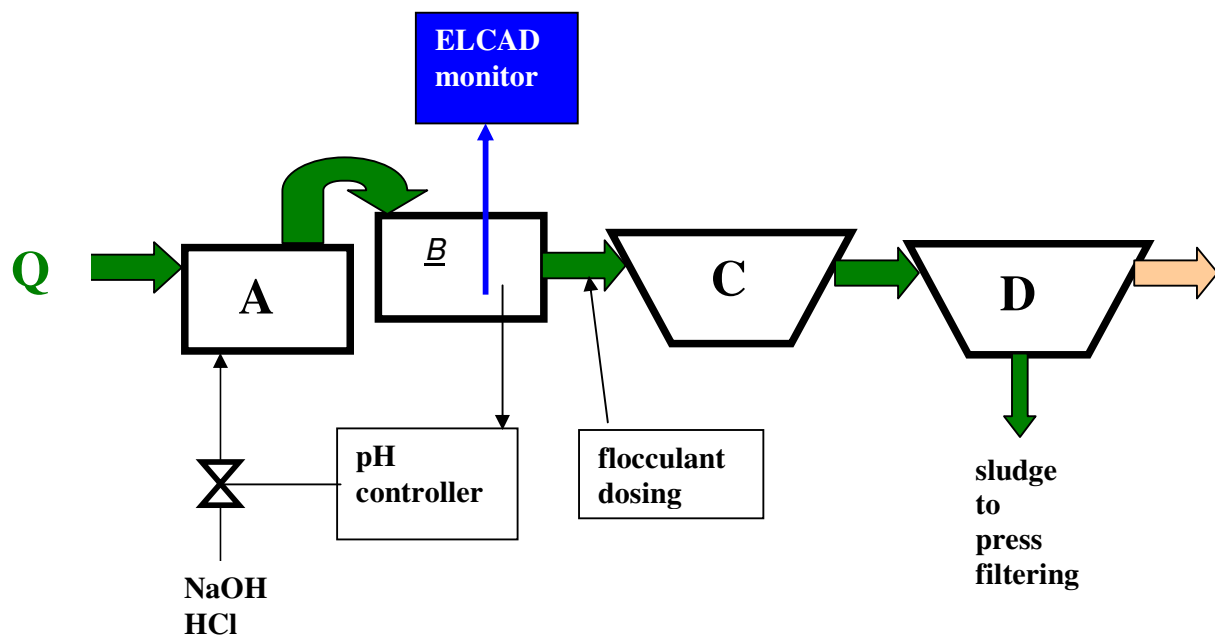


Fig. 14 Scheme of the technology at the Bohumin testing site

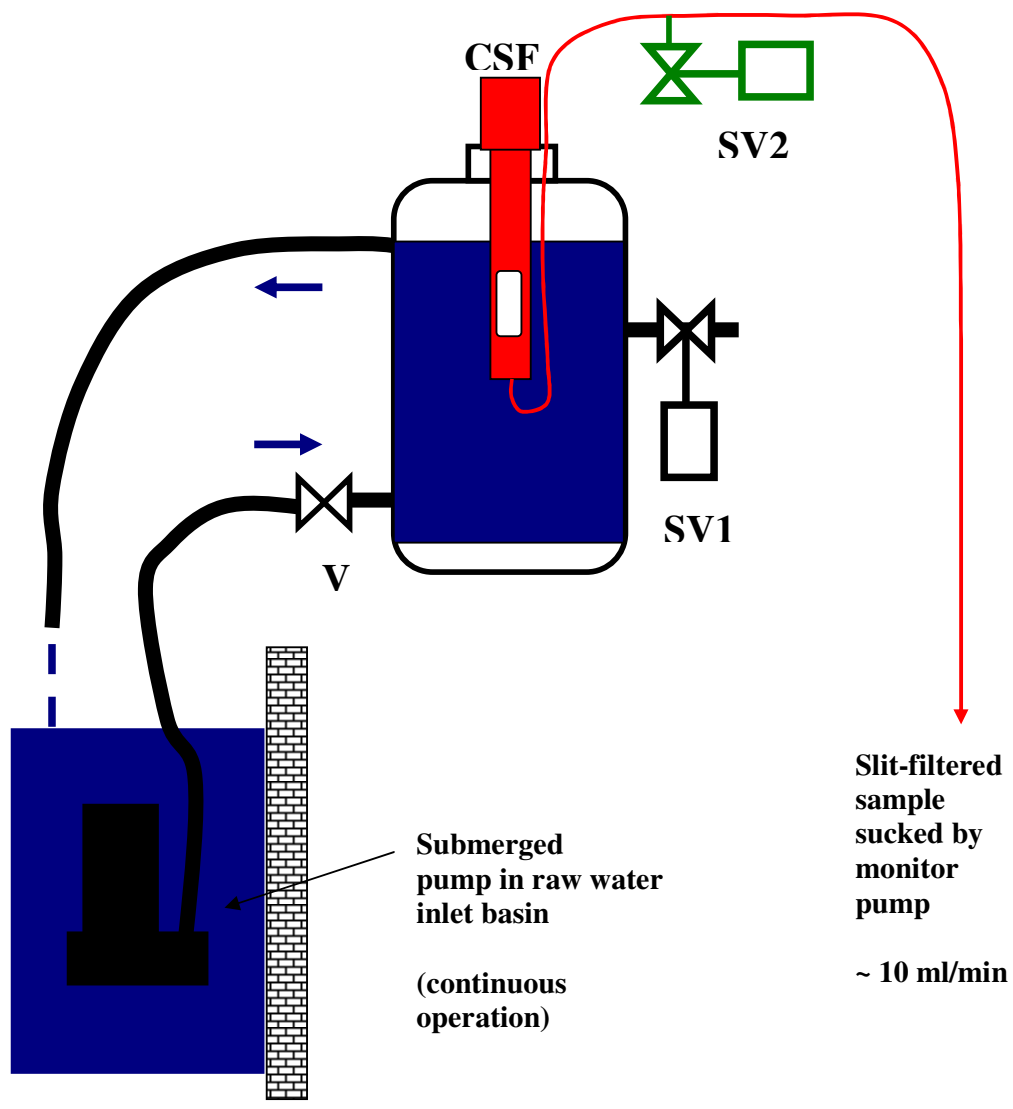


Fig. 15 Scheme of the sampling arrangement in the Bohumin test



Fig. 16 Picture of the raw samle vessel



Fig. 17 The METELCAD monitor setup at the Bohumin site.

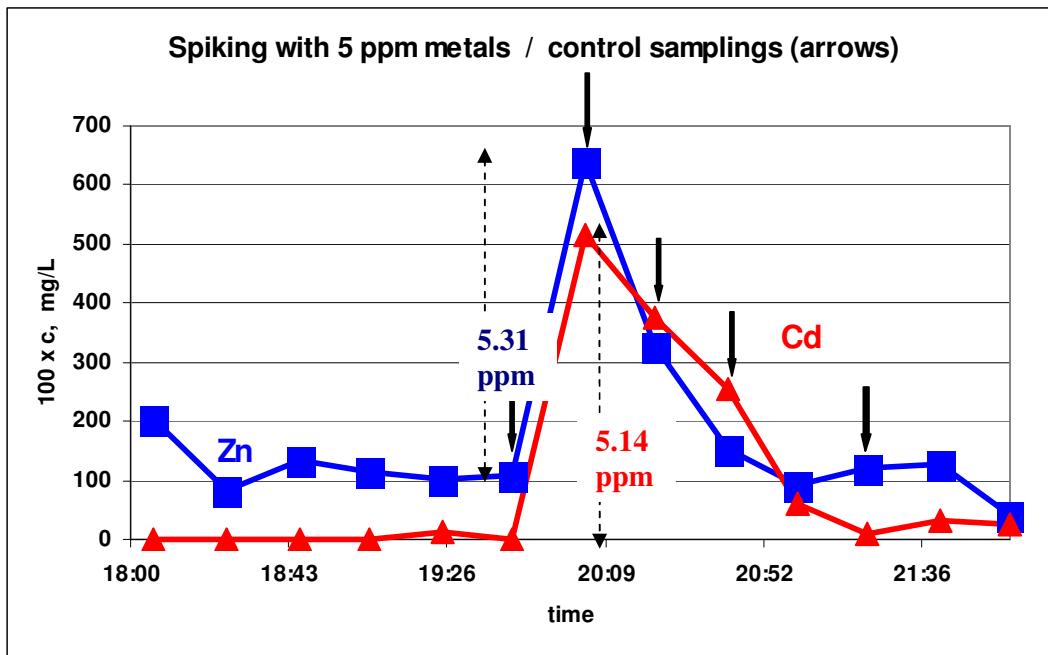


Fig. 18 Response record of the "pollution peak" test at Bohumin site

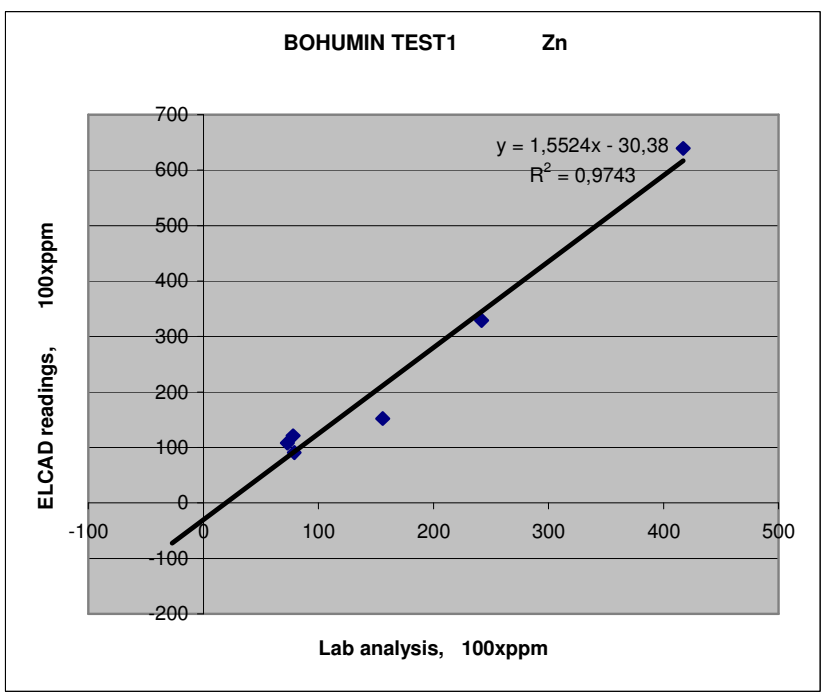
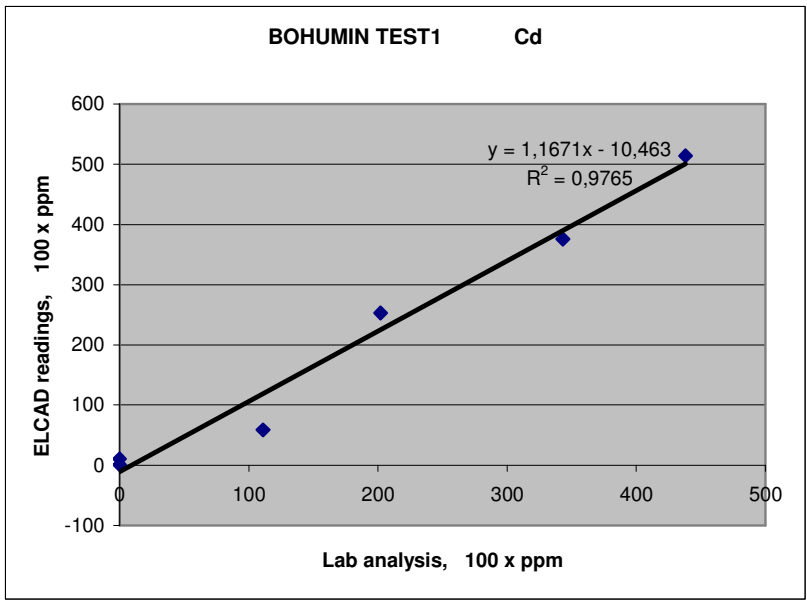


Fig. 19 Validation diagrams for the Bohumin test

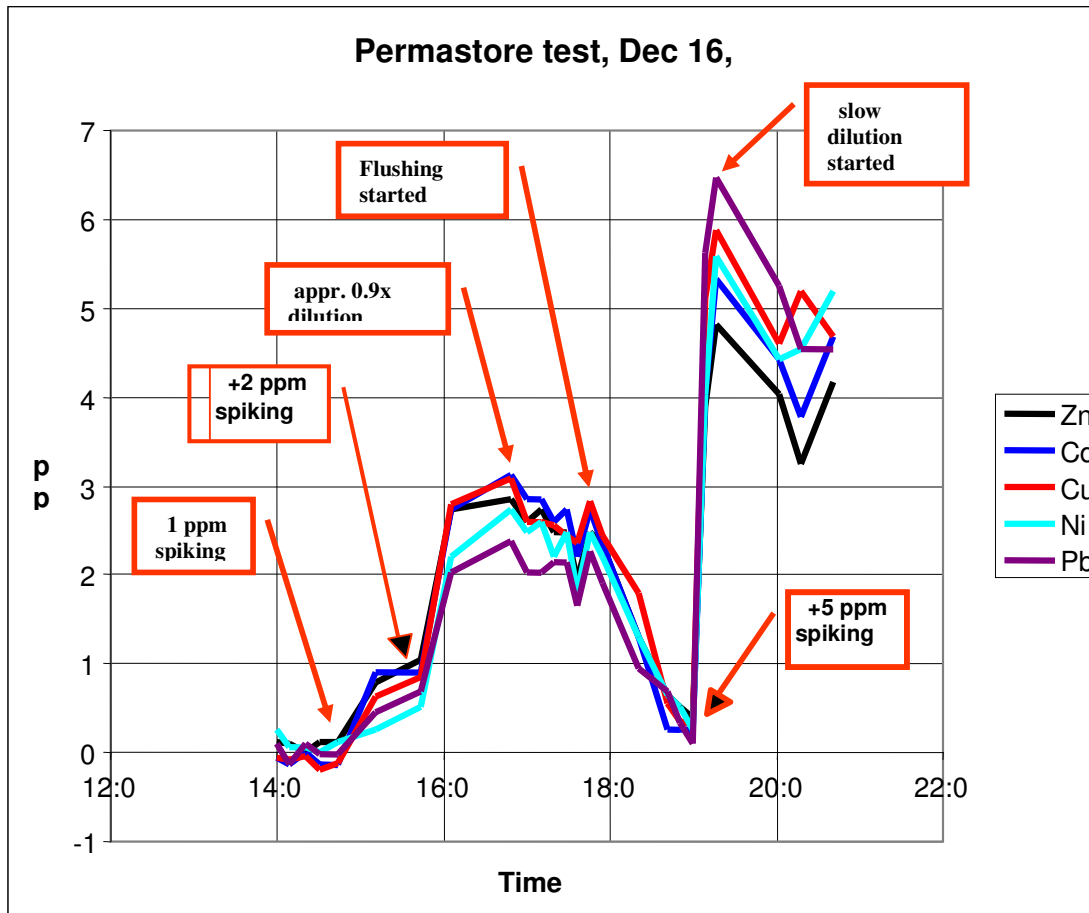


Fig. 20 Response record of the "multiple pollution peaks" test at Permastore site