Coupling and Dispersion Correction in ELETTRA, C.J. BOCCHETTA, A. FABRIS, F. IAZZOURENE, E. KARANTZOULIS, R. NAGAOKA, M. SVANDRLIK, L. TOSI, R.P. WALKER, A. WRULICH, Sincrotrone Trieste - Correction of spurious vertical dispersion is one of the most important operations for the beam quality control in ELETTRA which is running as a new generation low emittance light source. While the presence of combined function dipoles allows a moderately focused optics with a furthermore reduced horizontal emittance, it enhances simultaneously the sensitivity of the spurious vertical dispersion against orbit displacements. The spurious vertical dispersion is estimated to be the major source of the emittance coupling in ELETTRA, which in turn becomes a key parameter for the lifetime as it is dominated by the Touschek scattering. The correction is performed with steerer magnets used for the orbit correction, by elaborating on the sensitivity matrix for the dispersion which takes into account the feed down effects of the orbit through sextupoles and thick quadrupoles. The obtained matrix is applied in ways that also seek to keep the orbit from being distorted. Details on the developed schemes, the degree of corrections achieved, as well as on the dependence of related machine parameters on the correction are described.