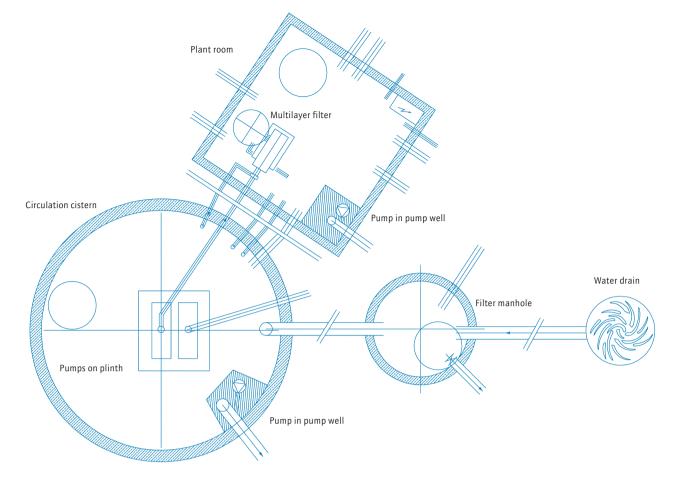
From the idea to the finished object

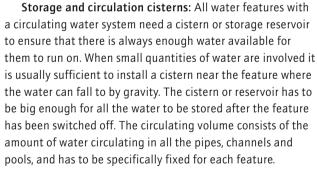


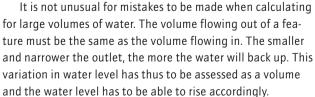
General plan for plant room and circulation cistern

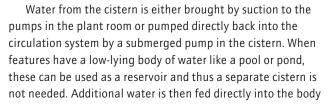
Construction elements



Water features cannot be built without technical equipment like reservoirs, pumps, filters and control devices. These are needed to purify the water, to store it and to control its circulation.







of water. It is important that every storage reservoir or cistern is provided with an overflow as well as a drainage outlet so that it can be emptied and cleaned at regular intervals.

Pumps: It is seldom that a water feature can be set to run on a natural slope. Normally the water has to be circulated artificially with pumps. As a rule these are modern rotary pumps that are set up in either a wet or a dry state. Dirtywater pumps are recommended if high dirt levels are anticipated.

Our experience is that it makes sense to run small fountains and watercourses with a circulation volume of up to 300 l/min with submerged pumps. But not all makes are entirely suitable for this. Submerged pumps are usually more reasonably priced than dry-installed pumps, as they do not need their own control room and can be placed directly in the reservoir. They are more expensive to maintain than dry-installed pumps. Submerged pumps must always be set up so that they are sufficiently above the bottom of the feature to avoid clogging with mud.

Dry-installed pumps are recommended when several pumps are required or they have to be set up in sequence. They are more accessible and thus easier to maintain, but they need adequate installation space. The best place is in a building near to the water feature or a readily accessible service shaft. Here it is essential to build in a bottom outlet to the channel and also ventilation where necessary. Dry-installed pumps do not run silently even when fitted with vibration dampers; for this reason they should be sited so that sound



