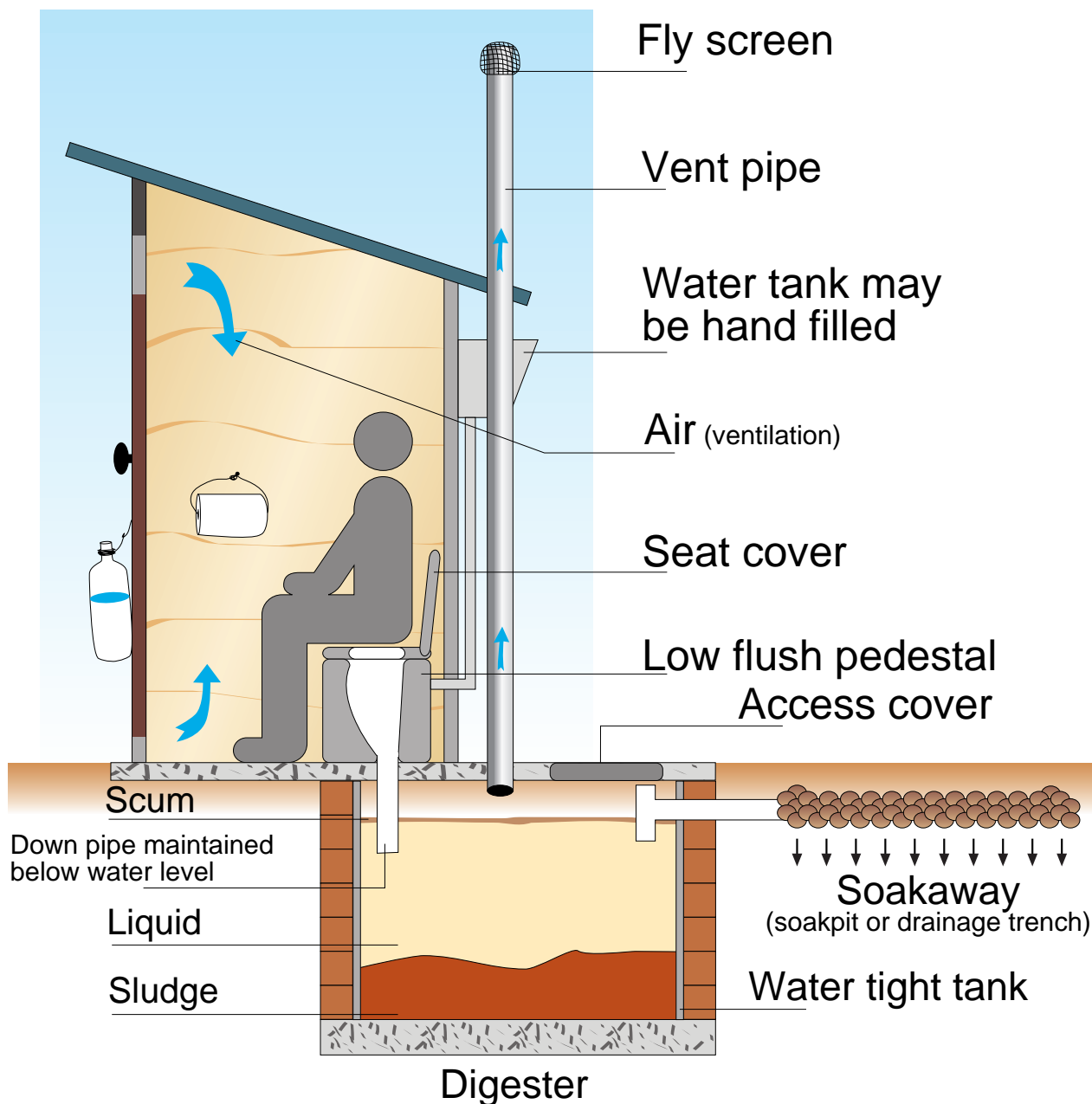


Aqua-privy and soakaway



A toilet with a water-seal arrangement: a straight or curved chute running from the seat to below the water level with some form of waste collection and disposal system.

Principles of operation	Operational and institutional requirements	Costs	Experience and comment
After defecation, the pan requires flushing with a few litres of water. An aqua-privy requires the addition of water to keep the end of the chute submerged. Containment of the waste may vary from a sealed container to a solids collection system and effluent soakaway.	Appropriate for small volumes of water and can accept domestic wastewater - generally carried by hand to the latrine. Ensure access for mechanical emptying of contained waste, and suitable subsoil drainage (high reliance on the soil environment in rendering the effluent harmless) and/or availability of sludge treatment and disposal.	Capital: R2 000-R3 500 which can increase where soils not well suited to drainage. Operating: R150-R300 per annum where subsoil drainage is available.	International acceptance demonstrated where water used for anal cleansing and users squat. Blockages occur through use of inappropriate anal cleansing material. Experience in SA has seen failures through lack of user education and/or poor design and construction, use where inappropriate and limited provision of affordable emptying service.