

Australasian Health Facility Guidelines

Part E - Building Services and Environmental
Design
0005 - Hydraulic

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Australasian Health Facility Guidelines

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05 HYDRAULIC

05.01 Scope

The following Hydraulics services should be considered in the Design Brief:

- fire hydrant and fire hose reel systems;
- hydrotherapy pools;
- natural or liquefied petroleum gas services;
- process waste water discharge conditioning facilities;
- roof plumbing;
- sanitary drainage service;
- sanitary fittings and fixtures;
- sewerage treatment facilities;
- storm water drainage;
- sub soil drainage; and
- water services;
- recycle water system; and
- rainwater storage and service.

Water Services may be expanded to include:

- bore water supplies;
- cold potable water service;
- external irrigation systems;
- flush services;
- hot potable water service;
- non potable cold water service;
- non potable hot water service;
- warm potable water service;
- water conservation;
- water filtering and conditioning equipment;
- special water services (Renal Dialysis Laboratory); and
- water storage tanks.

05.02 General

For Health Facilities associated with local disaster and post disaster roles, or for maintaining continuity of some acute medical services, design for security of supply consistent with failure risks.

Decisions concerning the scope, extent and type of services may affect cost and should be clarified early in the planning stages. These may require more detailed design decisions on the suitability of warm water system versus thermostatic mixing valves, heat recovery and sustainability measures.

Location, specifics of the site or buildings, and level of service may make additional demands on the provision of services.

05.03 Design

Any requirements for water storage and plant including access should be an early design decision, as these may impact on the building design and structure.