

Room Name | Water Treatment Plant Room

Room Number: WTPL

Last modified | 01/03/2016
Briefed Area | 15.00
Remarks
Occupancy | 1 - 2
Hours of Operation | 24 Hours
Acoustics
Description or Special Requirements

The Water Treatment Plant Room is a lockable room for water treatment systems used in dialysis, including booster pumps, particle filters, water softeners, carbon filters and reverse osmosis systems. Refer to Manufacturer's Specifications for details of Reverse Osmosis (RO) Water Treatment Plant equipment. In particular this equipment will incorporate a heat disinfection function, and water saving features. The Water Treatment Plant Room should be located in close proximity to the Renal Dialysis Unit to permit short tubing runs to each Treatment Bay, and permit staff to monitor and service the water treatment systems. Special Design Requirements: - Ventilation, exhaust and/or airconditioning must be designed to accommodate the heat loads of the specified equipment. - High level sound isolation is required to ensure noise generated from this room does not invade Treatment spaces - Structural Engineer's assessment must be sought for floor load bearing capacity with respect to water treatment and pre-treatment plant equipment - Service access will be required around the perimeter of all plant equipment - Pipework and components installed after the water inlet within this room shall not contain brass or copper

Room Fabrics

AusHFG code	Description	Material	Finish	Specification	Comments
1280	Floor finish	Concrete	Trowel	Sealed	
3000	Wall finish	Paint	Acrylic, washable		
5021	Ceiling - Plasterboard	Plasterboard	Paint, washable	Water resistant, flush set, suspended	Min Height 2400mm; Water resistant drop in tile ceiling also acceptable
8010	Door protection	Composite	Prefinished PVC	Protection plate to 900 AFFL	Equal to 'Acrovyn'
8040	Door protection	Composite	Prefinished PVC	To door frame	Equal to 'Acrovyn'
9110	Door - 1400mm	Solid Core	Paint	1 1/2 leaf	1600mm clear opening, lockable
2155	Skirting	Concrete	Sealed	Coved concrete to 150 AFFL	

Fittings and Furniture

AusHFG code	Description	Group	Qty	Comments
FF-1050	Bench - laminate	1	1	work bench
FF-21680	Stool - adjustable, mobile	3	1	under bench

Fixtures, Equipment and associated Services

AusHFG code	Description	Grp	Qty	Ele	Data	CdW	HtW	WmW	Tap	Dns	Gas	Comments
FE-42295	Pump - pressure booster	3	2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	as needed to achieve required water pressure
FE-61295	Water treatment plant equipment	3	10	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	RO Plant; details according to Manufacturer's Specifications

Service Requirements

AusHFG code	Description	Comments
S-5000	Airconditioning	

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S-5019	Exhaust	to rangehood
S-6000	General fluorescent	

Services

AusHFG code	Description	Group	Qty	Comments
S-9011	GPO: Emergency power, double (H)	1	4	for refrigerator
S-9060	GPO: Special: for equipment	1	2	TV, ceiling
S-9060	GPO: Special: for equipment	1	1	TV, ceiling
S-1002	Alarm	1	1	to Staff Station - Renal Unit for Plant Equipment status/ malfunction
S-4005	Cold water	1	1	additional outlet for equipment
S-4033	Floor waste	1	1	
S-5000	Airconditioning	1	1	
S-5019	Exhaust	1	1	to rangehood
S-6000	General fluorescent	1	1	
S-6200	Light switches	1	1	