

SEWAGE & STORMWATER PUMP STATIONS 1.8M DIAMETER FRP PITS



FEATURES

FRP (Fibreglass) pump stations are structurally engineered to withstand the most difficult ground conditions without failure. The glass filament wound structure provides a one piece lightweight pit for a fast, safe, easy and guaranteed installation.

FRP PIT DESIGN AND CONSTRUCTION STANDARDS:

- > AS/NZS 1546.1 soil loading design requirements
- > AS3500.2 Sanitary Plumbing and Drainage:
 - > Construction section 10.5.2
 - > Authorised materials section 10.5.3
 - > Base design section 10.5.4
- > AS3500.2 Stormwater Drainage:
 - > Construction and Authorised materials section 9.3.2
 - > Base design section 9.3.3
- > AS2634:1983 Chemical Plant equipment made from GRP
- > ASME RTP-1 Reinforced Thermoset Plastic corrosion-Resistant Equipment (design methodology adopted where the scope falls outside of AS2634:1983)

FRP PIT LIFTING POINTS:

- > Lifting points designed with Regulation 1507 Certificate of Compliance to meet the following standards:
 - > AS4100-1998 Steel structures
 - > AS1170.1-2002 Structural design actions
- > Engineered for simple and economical installation

FRP PIT DESIGN LIFE AND WARRANTY:

- > Design life 50 years / Warranty 5 years



25 YEARS INDUSTRY EXPERIENCE

RANGE

	DIAMETER	DEPTH (D)	VOLUME	WEIGHT	ACCESS OPENING	PIPEWORK	
						FLEXIBLE	AUTO-COUPLING
VERTICAL PITS	1.8m	1.5m	3,400L	190 kg	0.6m x 0.9m	✓	✓
	1.8m	2.0m	4,500L	260 kg	0.6m x 0.9m	✓	✓
	1.8m	2.5m	5,800L	330 kg	0.6m x 0.9m	✓	✓
	1.8m	3.0m	7,000L	400 kg	0.6m x 0.9m	✗	✓
	1.8m	3.5m	8,330L	487 kg	0.6m x 0.9m	✗	✓
	1.8m	4.0m	9,600L	578 kg	0.6m x 0.9m	✗	✓
	1.8m	4.5m	10,800L	669 kg	0.6m x 0.9m	✗	✓
	1.8m	5.0m	12,100L	760 kg	0.6m x 0.9m	✗	✓
	1.8m	5.5m	13,400L	851 kg	0.6m x 0.9m	✗	✓
	1.8m	6.0m	14,600L	940 kg	0.6m x 0.9m	✗	✓

NOTES

1. Weight is FRP Pit only (approximate)
2. Depth includes 50mm Class B Cover (approximate)
3. Commissioning is available to carry out start procedures, set levels and verify performance

OPTIONS

SUBMERSIBLE PUMPS	CONTROLLERS	LEVEL SENSORS	COVERS	SAFETY GRATES	AUTO COUPLINGS
PIPEWORK	MACERATORS	VALVE CHAMBERS	MIXERS	BACKUP POWER	MONITORING & MANAGEMENT

TYPICAL ARRANGEMENT

