

# 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



**30 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

