

SEWAGE & STORMWATER PUMP STATIONS FRP PITS



FEATURES

FRP (Fibreglass) pits 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

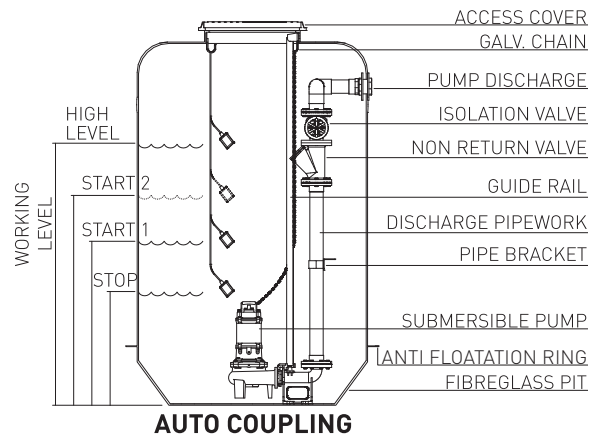
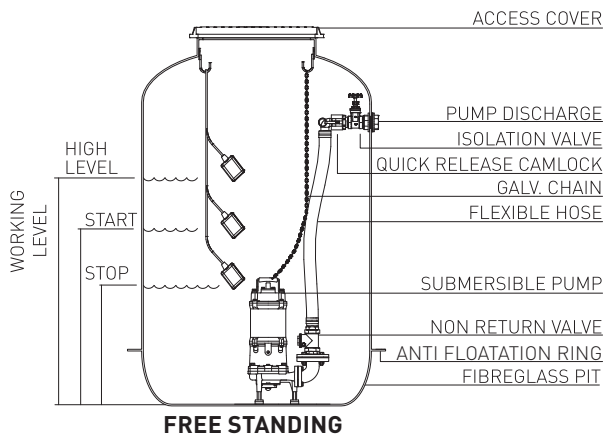
FRP PIT DESIGN LIFE AND WARRANTY:

- > Design life 50 years / Warranty 5 years.



25 YEARS INDUSTRY EXPERIENCE

TYPICAL ARRANGEMENT



ADDITIONAL OPTIONS

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



RANGE

	DIAMETER	DEPTH (D)	VOLUME	WEIGHT	ACCESS OPENING	PIPEWORK	
						FLEXIBLE	AUTO -COUPLING
VERTICAL PITS	0.6m	0.75m	180l	22 kg	0.6m x 0.6m	✓	✗
		1.0m	260l	26 kg	0.6m x 0.6m	✓	✗
		1.25m	330l	30 kg	0.6m x 0.6m	✓	✗
		1.5m	400l	44 kg	0.6m x 0.6m	✓	✗
	1.0m	1.0m	600l	52 kg	0.6m x 0.6m	✓	✓
		1.5m	1,000l	79 kg	0.6m x 0.6m	✓	✓
		2.0m	1390l	107 kg	0.6m x 0.6m	✓	✓
		2.5m	1790l	118 kg	0.6m x 0.6m	✓	✓
		3.0m	2190l	148 kg	0.6m x 0.6m	✗	✓
		3.5m	2590l	170 kg	0.6m x 0.6m	✗	✓
		4.0m	2,990l	202 kg	0.6m x 0.6m	✗	✓
		4.5m	3,390l	234 kg	0.6m x 0.6m	✗	✓
		5.0m	3,790l	266 kg	0.6m x 0.6m	✗	✓
		5.5m	4,190l	298 kg	0.6m x 0.6m	✗	✓
		6.0m	4,590l	330 kg	0.6m x 0.6m	✗	✓
		1.2m	1.5m	1,460l	131 kg	0.6m x 0.9m	✓
	2.0m		2,020l	174 kg	0.6m x 0.9m	✓	✓
	2.5m		2,580l	214 kg	0.6m x 0.9m	✓	✓
	3.0m		2,940l	240 kg	0.6m x 0.9m	✗	✓
	3.5m		3,400l	276 kg	0.6m x 0.9m	✗	✓
	4.0m		3,860l	321 kg	0.6m x 0.9m	✗	✓
	4.5m		4,320l	366 kg	0.6m x 0.9m	✗	✓
	5.0m		4,780l	411 kg	0.6m x 0.9m	✗	✓
	5.5m		5,240l	456 kg	0.6m x 0.9m	✗	✓
	1.5m	6.0m	5,700l	501 kg	0.6m x 0.9m	✗	✓
		1.5m	2,260l	184 kg	0.6m x 0.9m	✓	✓
		2.0m	3,150l	235 kg	0.6m x 0.9m	✓	✓
		2.5m	4,030l	283 kg	0.6m x 0.9m	✓	✓
		3.0m	4,910l	333 kg	0.6m x 0.9m	✗	✓
		3.5m	5,790l	382 kg	0.6m x 0.9m	✗	✓
		4.0m	6,670l	433 kg	0.6m x 0.9m	✗	✓
		4.5m	7,550l	484 kg	0.6m x 0.9m	✗	✓
		5.0m	8,430l	535 kg	0.6m x 0.9m	✗	✓
	1.8m	5.5m	9,310l	586 kg	0.6m x 0.9m	✗	✓
		6.0m	10,190l	637 kg	0.6m x 0.9m	✗	✓
		1.5m	3,180l	190 kg	0.6m x 0.9m	✓	✓
		2.0m	4,450l	260 kg	0.6m x 0.9m	✓	✓
		2.5m	5,720l	330 kg	0.6m x 0.9m	✓	✓
		3.0m	6,990l	400 kg	0.6m x 0.9m	✗	✓
		3.5m	8,260l	487 kg	0.6m x 0.9m	✗	✓
4.0m		9,530l	578 kg	0.6m x 0.9m	✗	✓	
4.5m		10,800l	669 kg	0.6m x 0.9m	✗	✓	
5.0m		12,070l	760 kg	0.6m x 0.9m	✗	✓	
2.0 - 4m	5.5m	13,340l	851 kg	0.6m x 0.9m	✗	✓	
	6.0m	14,610l	940 kg	0.6m x 0.9m	✗	✓	
	2.0 - 4m	Up to 12m	CONTACT APP TEAM FOR MORE INFORMATION			✗	✓

NOTES

1. Weight is FRP Pit only (approximate)
2. Depth includes 50mm Class B Cover
3. Tanks can be customised to any volume, diameter or depth

