

## ADVANTAGES

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The Envirolift Modular Mould-Formed Precast Pump Chambers are an industry 'best practice' design. The culmination of 20 years of experience and constant improvement, the Envirolift Pump Chamber has WSAA Appraisal and numerous Water Authority and Municipal approvals. 2000 units have been installed around Australia.

### ▪ SUPERIOR DESIGN

- Designed to comply AS3735:2001 and WSAA Standard
- Engineering calculations pre-done. Reduced design responsibility
- Long life station (conservative 50 years design) without the need for mass concrete
- Superior shape, i.e. steep sludge batter, integral valve chamber
- One-piece mould-formed base giving a water-tight structure with the first joint above normal operating water level. Steel reinforcing constructed as a single cage. Reinforcing complies AS1302 and AS1304

### ▪ SUPERIOR CONSTRUCTION

- Concrete to AS3972. Batch pour enables use of calcareous aggregate for superior corrosion resistance
- Steel-trowel smooth finish to AS3610 Class 2X - no laitance
- Intensely vibrated - no aggregate separation or voids
- Cover over reinforcement guaranteed - no movement of reinforcing
- Swift-lift lifting points for ease of installation and increased safety

### ▪ SUPERIOR SHAPE

- Modular design with rotational keying between segments
- Steep sludge batter with shaped floor for superior solids handling
- Integral valve chamber for simpler installation - no differential settlement or inter-connecting pipework

### ▪ INTEGRAL VALVE CHAMBER & EXTENDED COVER SLAB

- Complete station as a single package — reduced installation costs
- Much smaller footprint size - neater installation
- Ease of maintenance - dismantling joint is 90° elbow
- One-way valve chamber drain with very short drain line
- No need for separate concrete pours for switchgear and vent stack
- Shorter cable runs - easier pump replacement

### ▪ LARGEST RANGE IN AUSTRALIA

- Sizes through to Ø3600mm
- Depths to 15m
- Largest emergency storage volume — 10m<sup>3</sup> per m depth
- Pumps up to Ø450mm discharge size can be installed
- Large valve chamber (1800 x 2200mm) to accommodate larger valves or even dry-well pumps

### ▪ SUPERIOR MANUFACTURE

- Standard range - shorter lead-time
- Lower cost for a better product
- Quality Assured Manufacturer

### ▪ PREMIER *Plus* OPTION

- Reduces maintenance costs and gives greatly increased reliability of pump station operation. Significantly reduced whole-of-life station costs
- Meets designers' and Authorities' obligations under OH&S laws
- Internal stainless steel Swift Lifts - safer installation
- Greatly reduces risk of injury and death to staff and maintenance contractors