

EASY PLUG AND PLAY PACKAGED INLET WORKS FOR BRIDGETOWN WWTP

CASE STUDY



The Bridgetown WWTP located south west of Perth recently was upgraded.

Part of the upgrade included the installation of a HUBER Ro5 Packaged Inlet Works.

The packaged unit consists of a:

- Fine screening with 2mm perforations
- Integrated Screenings Washing and Dewatering
- Integrated bypass chamber with manually raked bypass screen
- Horizontal grit removal traps
- Horizontal and inclined grit removal screws

Item	Value
No. of Units	1
Peak Capacity	35 L/s
Screen Aperture	2mm
Integrated Bypass Screen	Yes
Integrated Grit Trap	Yes
Materials	316LSS

Being a packaged system, site installation works are significantly reduced. Only some minor site works is required to assemble the package.

Also, the hydraulics between the screenings and grit chamber is managed by Hydroflux and HUBER, which simplifies the installation process.

A 2mm perforation was preferred by Water Corporation to increase screening capture. Peak flow sizing is 35 L/s.

Operating is automatic via the site PLC and SCADA system. The screen operates intermittently based on level control and the grit screws are also based on intermittent timer control.

The entire system is fabricated from 316L stainless steel, including all of the internal screws.

The HUBER Ro5 is available in 12 sizes, from 5 through to 250 L/s.

