

# NEW MODERN PACKAGED INLET WORKS FOR GNARABUP WWTP

## CASE STUDY



Based on the reliability of older HUBER installations in the region, the Gnarabup WWTP recently installed a packaged inlet works system from Hydroflux.

A HUBER Ro5C was delivered to site which has a peak capacity of 15 L/s.

The screen consists of an inclined spiral unit with integrated screenings washing and dewatering—the grit removal includes for a grit classifier that is sized to remove and dewater the grit particles.



Being a packaged system, site installation works is reduced as the system is delivered in various sections that requires simple assembly.

The inlet works operation is fully automated with the screen being initiated by level control and the grit screw on timer control.

Intermittent operation reduces the actual operating hours of the system—and hence maintenance is reduced.

A 3mm perforation is used on the screen and the grit trap shall remove 90% of 200 micron grit particles with a SG of 2.6.

The screen includes an integrated bypass pipe.

The HUBER Ro5 packaged inlet works units are suited for smaller remote wastewater treatment plants. All fabricated is from stainless steel, including the internal screws.

There are 12 sizes available in the range to cater with capacities from 5 to 250 L/s.

Item	Value
No. of Units	1
Hydraulic Capacity	15 L/s
Solids Capacity	0.1—0.5 m <sup>3</sup> /h
Materials	316L SS