

DOWNSTREAM DEFENDER® DESIGN SUMMARY

PROJECT INFORMATION

Reference	22995
Site	Manor Nursery Network 3
Designer	Paul Reynolds
Date	15/01/2021 14:16

DESIGN INPUTS

Sediment Type	TFR-FINE
Design Flow Rate (l/s)	7.1
Peak Flow Rate (l/s)	17.5

DESIGN OUTPUTS

Product	HYDRO INTERNATIONAL DOWNSTREAM DEFENDER®
Unit Reference	DD3_1.2M_300DN

UNIT WEIGHTS AND DIMENSIONS

(A) Unit Size (m)	1.20
(B) Inlet Pipe Size (mm)	300
(D) Outlet Pipe Size (mm)	300
(F) Unit Depth (m)	2.83
Inlet Invert Height (m)	1.91
Max. Component Weight (t)	2.2

PERFORMANCE AND HYDRAULICS

Max. Treatment Flow-Rate (l/s)	38
Hydraulic Capacity Flow-Rate (l/s)	120
Typical Operating Headloss (mm)	150
Maximum Headloss (mm)	500

STORAGE

(C) Min. Oil Storage Capacity (l)	292.5
(E) Min.Sediment Storage Capacity (m³)	0.39

