

PROJECT INFORMATION

Reference	9383 / 23_21_6018
Site	Grovehurst Farm, Sittingbourne
Designer	Amy Hayward
Date	25/10/2023 10:18

DESIGN INPUTS

Sizing Method	Performance
Catchment Area (m ²)	2.105

DESIGN OUTPUTS

Product	HYDRO INTERNATIONAL DOWNSTREAM DEFENDER® SELECT
Separator Type	Advanced Vortex
Unit Reference	DDC10-620-C-225

PRODUCT CONFIGURATION

Material	Concrete
Sediment Protection	Yes
Oil Retention	No
Floatables storage / Oil treatment	Yes
Hydro-Logic® Flow Monitoring	No
Hydro-Logic® Sediment Level Monitoring	No

UNIT WEIGHTS AND DIMENSIONS

(A) Unit Size (m)	1.00
(B) Inlet Pipe Size (mm)	225
(D) Outlet Pipe Size (mm)	225
(F) Height of Chamber (m)	2.39

PERFORMANCE AND HYDRAULICS

Treatment Flow Rate (l/s)	21
Hydraulic Capacity Flow Rate (l/s)	46
Typical Operating Headloss (mm)	160
Maximum Headloss (mm)	500

STORAGE

(C) Min. Oil Storage Capacity (l)	256
(E) Min. Sediment Storage Capacity (m ³)	0.31

