

DOWNSTREAM DEFENDER® SELECT DESIGN SUMMARY



PROJECT INFORMATION

Reference	15084 / 24_21_2311
Site	Little Winton
Designer	Paul Tittle
Date	19/04/2024 10:10

DESIGN INPUTS

Sizing Method	Performance
Catchment Area (m²)	1500

DESIGN OUTPUTS

Product	HYDRO INTERNATIONAL DOWNSTREAM DEFENDER® SELECT
Separator Type	Advanced Vortex
Unit Reference	DDC10-620-F-150

PRODUCT CONFIGURATION

Material	Plastic
Sediment Protection	Yes
Enhanced Oil Retention Media	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)	150
(D) Outlet Pipe Size (mm)	150
(F) Height of Chamber (m)	2.01

PERFORMANCE AND HYDRAULICS

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

STORAGE

(C) Min. Oil Storage Capacity (l)	256
(E) Min. Sediment Storage Capacity (m³)	0.31

