DOWNSTREAM DEFENDER® SELECT DESIGN SUMMARY

PROJECT INFORMATION

Reference	2017021
Site	West Boldon
Designer	Matthew Alexander
Date	09/11/2023 13:26

DESIGN INPUTS

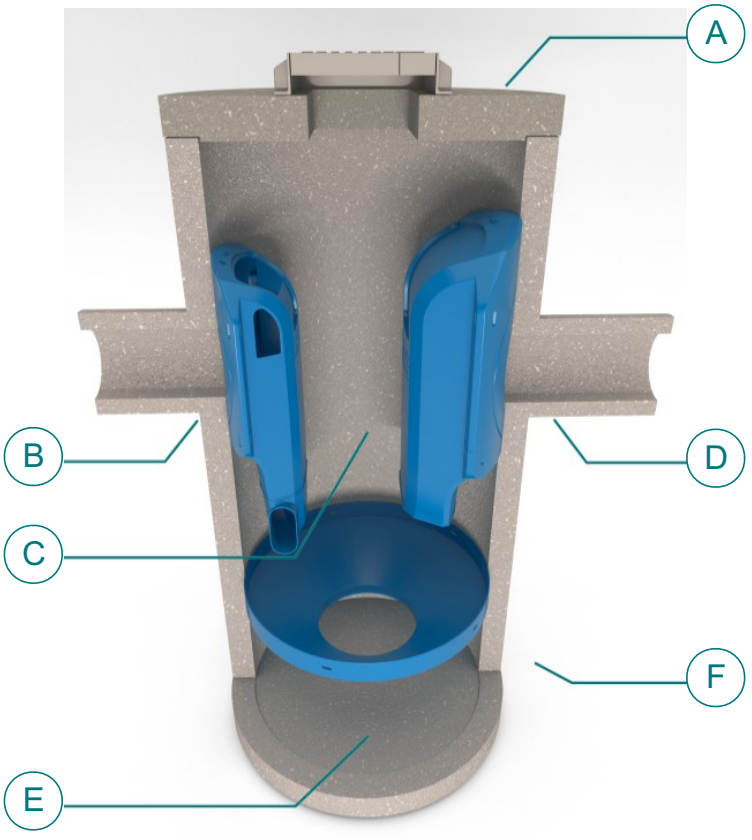
Sizing Method	Performance
Peak Flow Rate (l/s)	5

DESIGN OUTPUTS

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

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)	150
(D) Outlet Pipe Size (mm)	150
(F) Height of Chamber (m)	2.39

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 (m^3)	0.31

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