

A UK 3D BIM Model is available for Hydro-Brake® Optimum [Request a UK 3D BIM Model](#)

DESIGN INPUTS

UNIT OF MEASUREMENT

METRIC Settings

PROJECT INFORMATION

Reference No.

DLR659

Site Name

Burton (Min discharge 1l)

PRIMARY DESIGN POINT

Design Head (m) *

0.46

Design Flow (l/s) *

1

CUSTOMISED HYDRAULIC RESPONSE

Objective *

(HE) Minimise upstre

Flush-Flo™ (l/s)

SITE OPTIONS

Water Type *

Surface Water Only

Sump Available *

DESIGN OUTPUT

Save Export Get a Quote

PRODUCT DETAILS

Product: Hydro-Brake® Optimum [Visit Product Page](#)

Unit Reference: SHE-0054-1000-0460-1000

HYDRAULIC CHARACTERISTICS

CONTROL POINTS

	Head (m)	Flow (l/s)
Primary Design Point	0.460	1.000
Flush-Flo™	0.137	1.000
Kick-Flo™	0.308	0.840

Yes (Default)

MECHANICAL BUILD OPTIONS

Mounting Style *

Lugs (Default)

Adjustable Inlet *

No (Default)

Design

PERFORMANCE FLOW

Mean Flow Over Head Range (l/s) 0.866

KEY DIMENSIONS

UNIT DIMENSIONS

Unit Outlet Diameter (mm)	54
Internal Clearance (m ²)	0.0024
Unit Depth (mm)	60
Unit Width (mm)	255
Unit Span (mm)	246
Material Thickness (mm)	3

INSTALLATION DIMENSIONS

Minimum Outlet Pipe Diameter (mm)	75
Suggested Manhole Diameter (mm)	1,200
Minimum Sump Depth (mm)	250
Minimum Sump Width (mm)	120
Minimum Mounting Block Width (mm)	460
Minimum Mounting Block Height (mm)	600