Technical Specification

Control Point	Head (m)	Flow (l/s)
Primary Design	0.500	2.480
Flush-Flo™	0.120	2.478
Kick-Flo®	0.314	2.014
Mean Flow		2.057

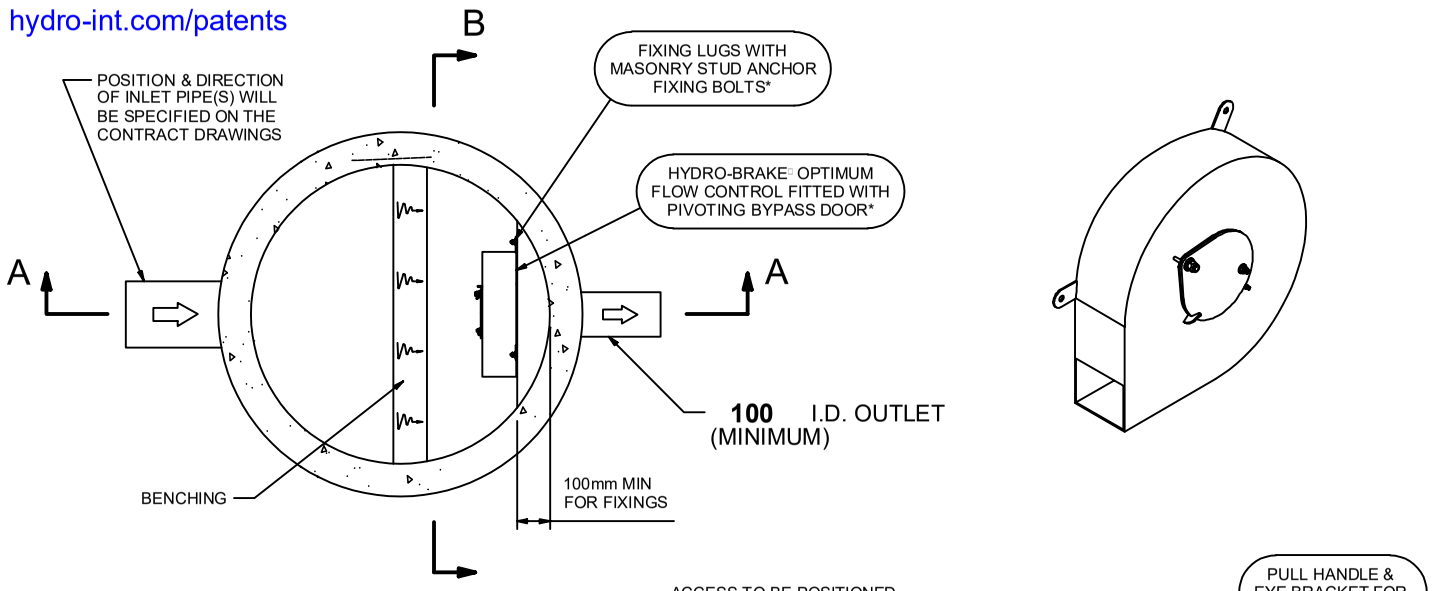
Hydro-Brake® Optimum Flow Control including:

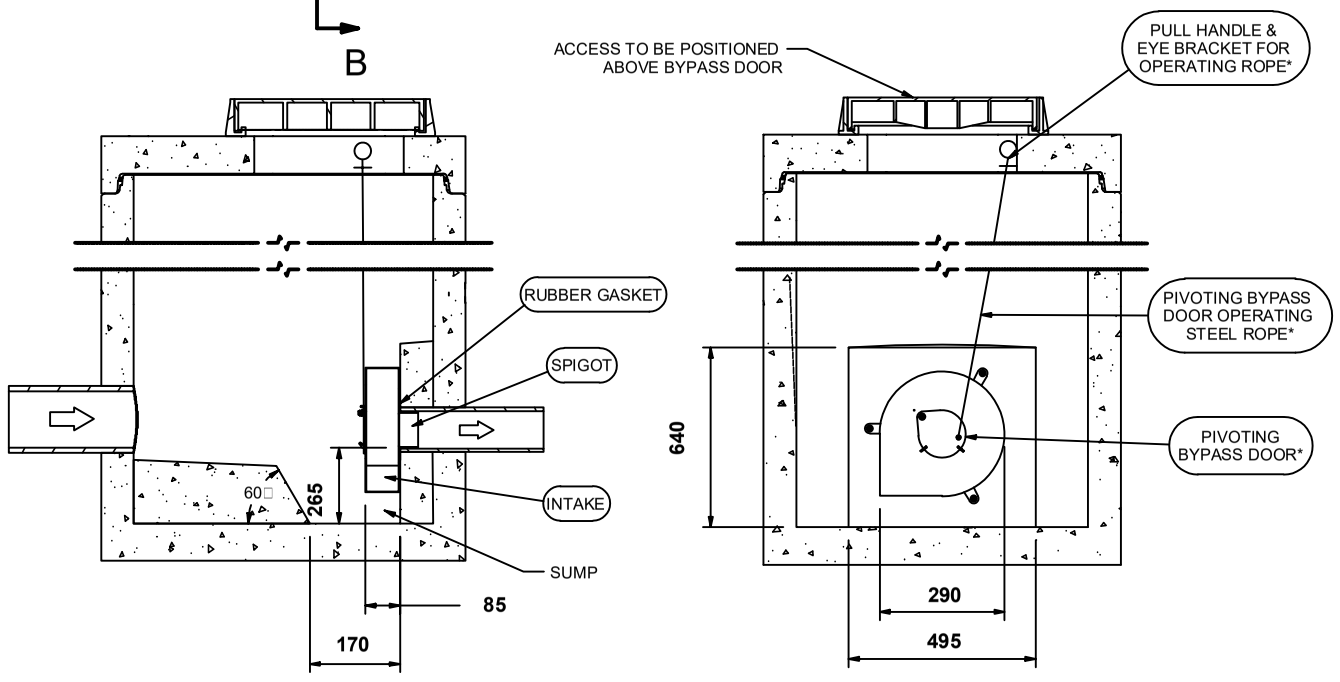
- 3 mm grade 304L stainless steel
- Integral stainless steel pivoting by-pass door allowing clear line of sight through to outlet, c/w stainless steel operating rope
- Beed blasted finish to maximise corrosion resistance
- Stainless steel fixings
- Rubber gasket to seal outlet
- Indicative Weight: 5 kg

BBA APPROVAL INSPECTION TESTING CERTIFICATION CERTIFICATE 08/4598

WRc Approved PT/329/0412

hydro-int.com/patents





SECTION A-A

SECTION B-B

IMPORTANT: ⬭ LIMIT OF HYDRO INTERNATIONAL SUPPLY
THE DEVICE WILL BE HANDED TO SUIT SITE CONDITIONS
FOR SITE SPECIFIC DETAILS AND MINIMUM CHAMBER SIZE REFER TO HYDRO INTERNATIONAL
ALL CIVIL AND INSTALLATION WORK BY OTHERS
* WHERE SUPPLIED
HYDRO-BRAKE® FLOW CONTROL & HYDRO-BRAKE® OPTIMUM FLOW CONTROL ARE REGISTERED TRADEMARKS FOR FLOW CONTROLS DESIGNED AND MANUFACTURED EXCLUSIVELY BY HYDRO INTERNATIONAL

THIS DESIGN LAYOUT IS FOR ILLUSTRATIVE PURPOSES ONLY. NOT TO SCALE.

DESIGN ADVICE !

The head/flow characteristics of this SCL-0077-2480-0500-2480 Hydro-Brake® Optimum Flow Control are unique. Dynamic hydraulic modelling evaluates the full head/flow characteristic curve.
The use of any other flow control will invalidate any design based on this data and could constitute a flood risk.

DATE	06/04/2023 11:30
SITE	Gelliargwellt Farm
DESIGNER	John Perkins
REF	MRF Lagoons

Hydro International®

SCL-0077-2480-0500-2480
Hydro-Brake® Optimum
312300E

KEY

REV'N	DATE	AMENDMENT

J P C E Limited

CLIENT
BRYN RECYCLING Ltd
GELLIARGWELLT FARM
GELLIGAER ROAD
GELLIGAER
CAERPHILLY
CF82 8PY

JOHN PERKINS
CONSULTING ENGINEER
Bronhaul,
Abernant Road
Aberdare CF44 0PY
Tel 07889 644649
e-mail jpce@hotmail.co.uk

DRAWING TITLE & SCHEME
PROPOSED ADDITIONAL RECYCLATE SEPARATION FACILITY & ASSOCIATED INFRASTRUCTURE AT GELLIARGWELLT FARM, NELSON

DETAILS OF HYDRO-BRAKE OPTIMUM

Drawing Number	Drawn By :
BRL-MRFYD-2023-014	J PERKINS
Date : APRIL 2023	Scale NTS
Checked :	