Technical Specification

Control Point	Head (m)	Flow (l/s)
Primary Design	2.800	14.000
Flush-Flo™	0.111	3.481
Kick-Flo®	0.137	3.416
Mean Flow		9.495

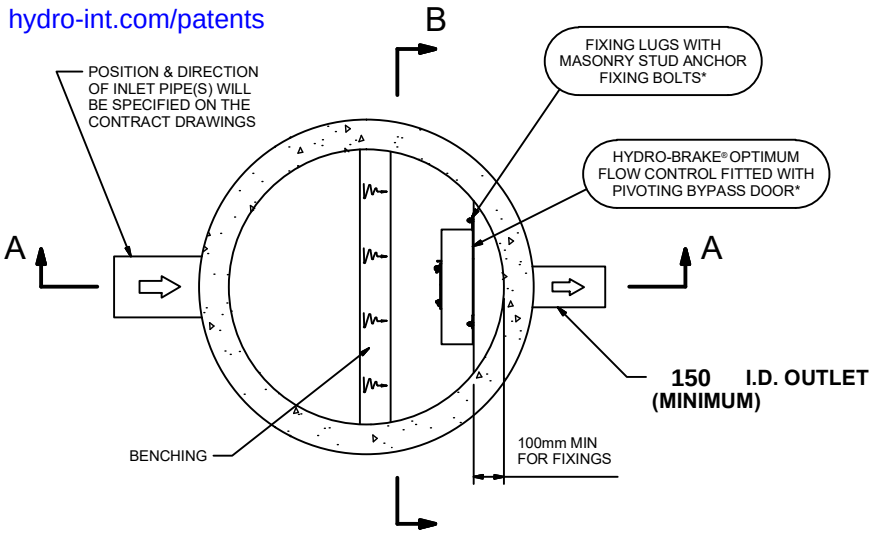
Hydro-Brake® Optimum Flow Control including:

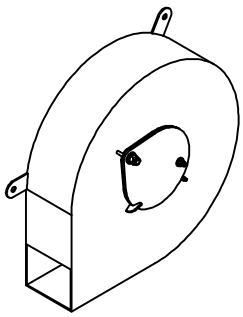
- 3 mm grade 304L stainless steel
- Integral stainless steel pivoting by-pass door allowing clear line of sight through to outlet, c/w stainless steel operating rope
- Beed blasted finish to maximise corrosion resistance
- Stainless steel fixings
- Rubber gasket to seal outlet
- Indicative Weight: 0 kg

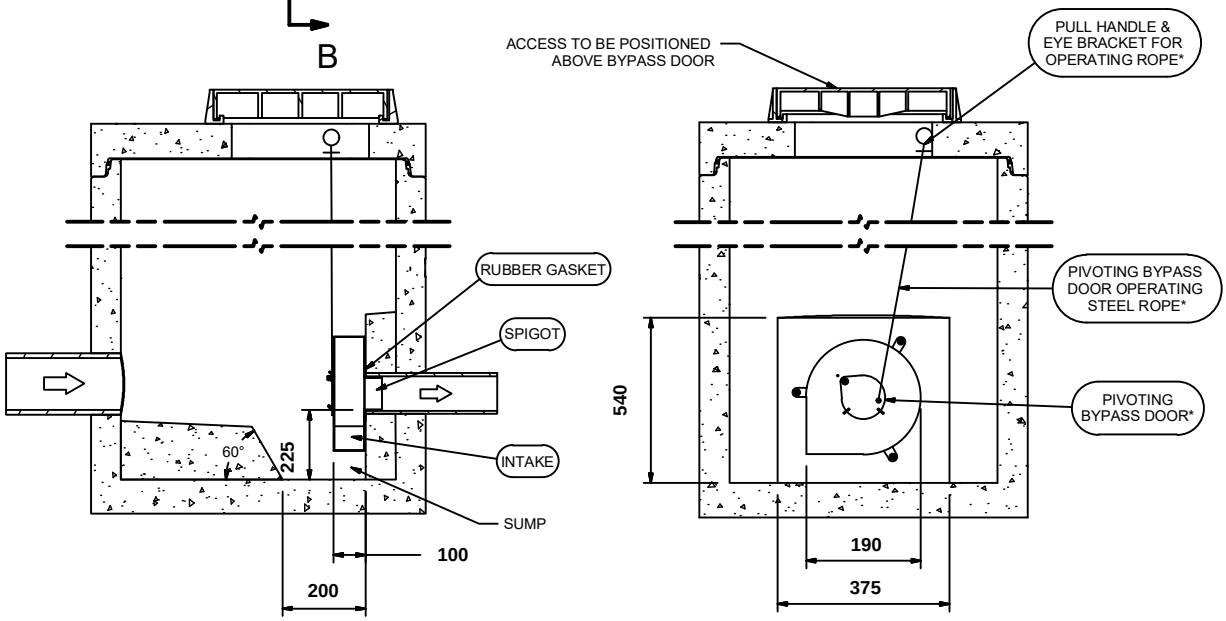
BBA APPROVAL INSPECTION TESTING CERTIFICATION CERTIFICATE 08/4596

wrc approved PT/503/0422 Valid: 01/04/2022 - 31/03/2027

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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 SCU-0091-1400-2800-1400 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.

Hydro International A CRH COMPANY

DATE	15/01/2025 11:57
SITE	
DESIGNER	Sharon King
REF	

SCU-0091-1400-2800-1400
Hydro-Brake® Optimum

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Hydro International Ltd • Unit 2, Rivermead Court • Kenn Business Park • Windmill Road • Kenn • Clevedon • BS21 6FT • Tel: 01275 878371 • www.hydro-int.com • Email: Enquiries@hydro-int.com

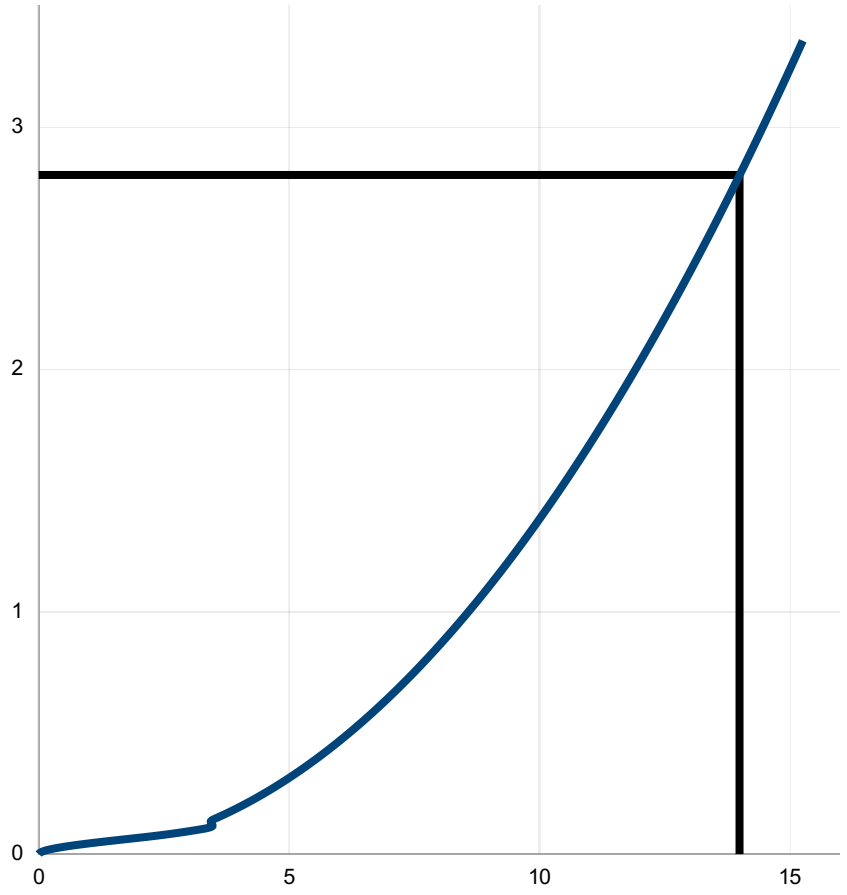
sking@hydro-int.com

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Head (m)	Flow (l/s)
0.000	0.000
0.097	3.070
0.193	3.999
0.290	4.818
0.386	5.504
0.483	6.105
0.579	6.647
0.676	7.144
0.772	7.606
0.869	8.038
0.966	8.447
1.062	8.835
1.159	9.206
1.255	9.561
1.352	9.902
1.448	10.231
1.545	10.549
1.641	10.857
1.738	11.155
1.834	11.446
1.931	11.728
2.028	12.004
2.124	12.273
2.221	12.536
2.317	12.793
2.414	13.044
2.510	13.291
2.607	13.532
2.703	13.769
2.800	14.002

DESIGN ADVICE

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! **The use of any other flow control will invalidate any design based on this data and could constitute a flood risk.**

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