

Technical Specification

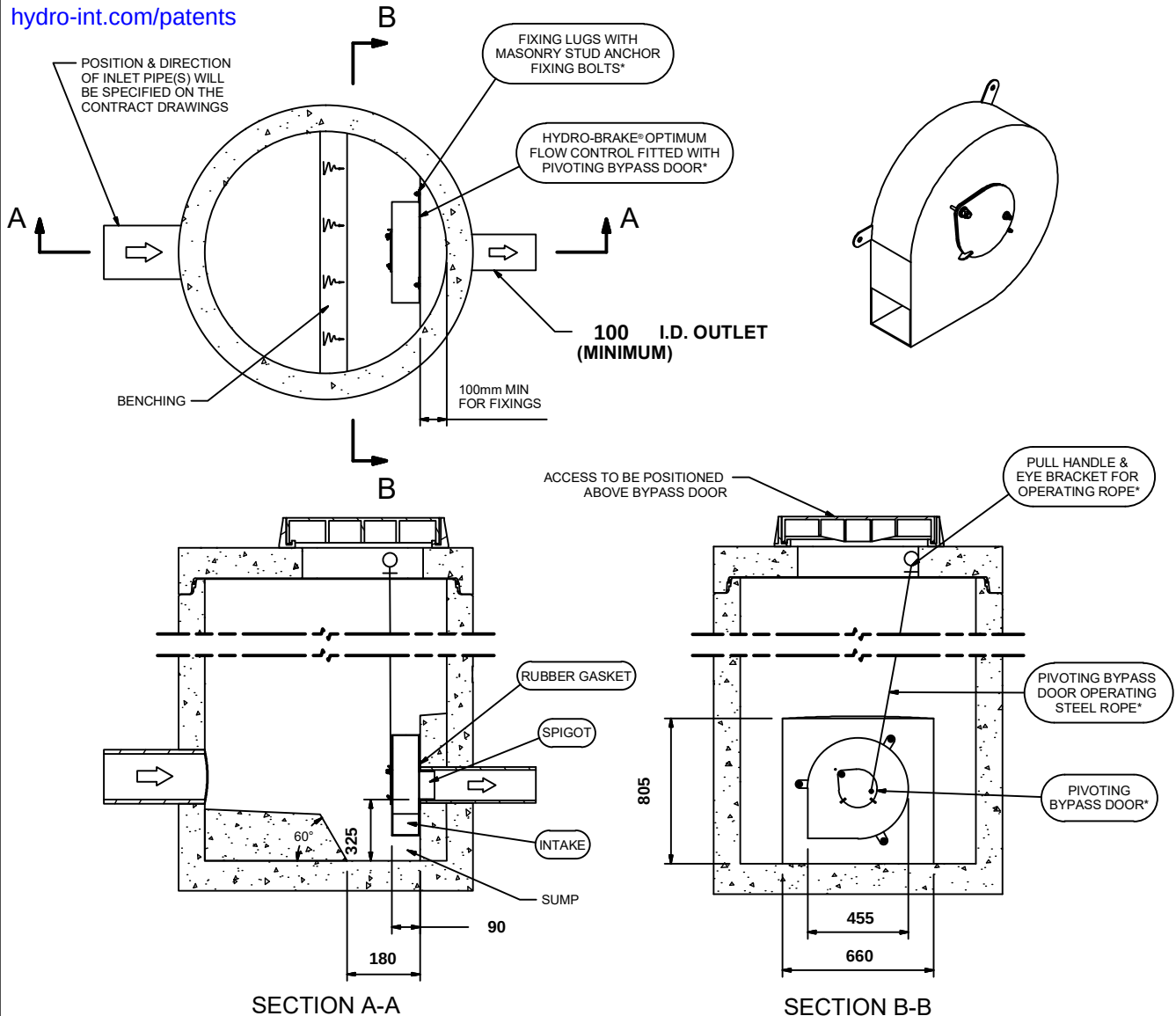
Control Point	Head (m)	Flow (l/s)
Primary Design	1.000	3.100
Flush-Flo™	0.297	3.095
Kick-Flo®	0.623	2.499
Mean Flow		2.710

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



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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 SHE-0084-3100-1000-3100 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**

DATE 6/24/2021 10:56 AM

SITE Barwell Medical Centre

DESIGNER Gavin Swift

REF ES19.125

SHE-0084-3100-1000-3100

Hydro-Brake® Optimum

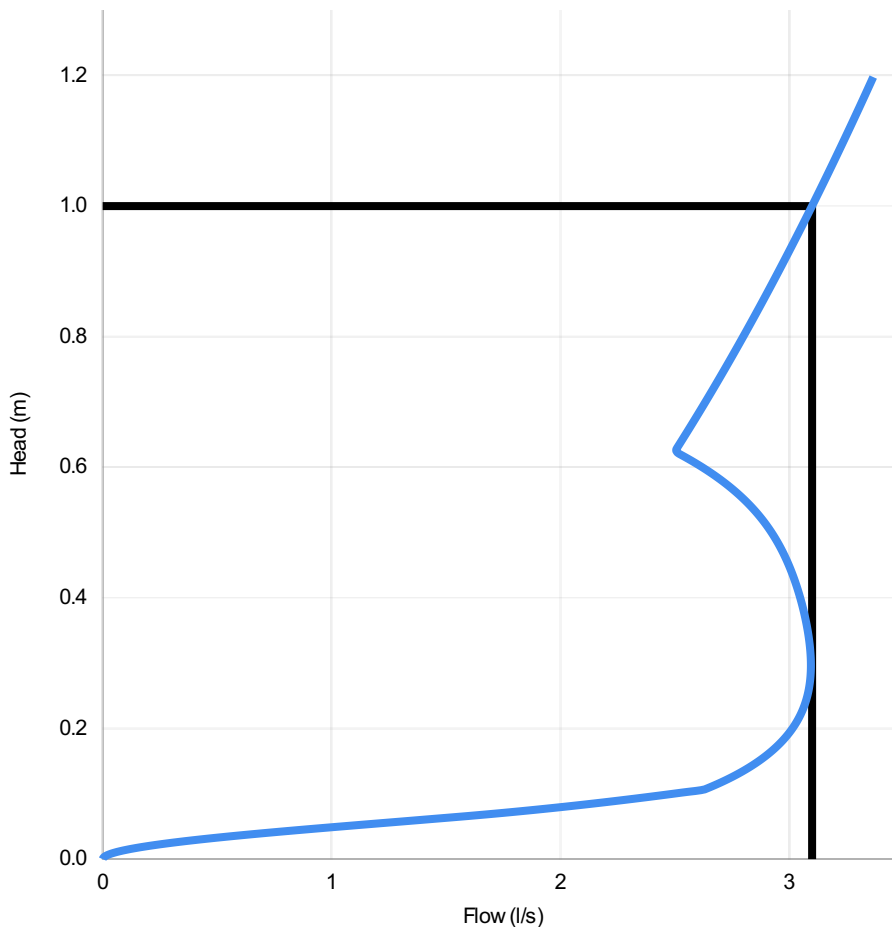
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PT/329/0412

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Head (m)	Flow (l/s)
0.000	0.000
0.034	0.545
0.069	1.693
0.103	2.564
0.138	2.813
0.172	2.945
0.207	3.027
0.241	3.072
0.276	3.092
0.310	3.094
0.345	3.083
0.379	3.064
0.414	3.036
0.448	3.000
0.483	2.953
0.517	2.888
0.552	2.800
0.586	2.679
0.621	2.519
0.655	2.556
0.690	2.616
0.724	2.675
0.759	2.732
0.793	2.788
0.828	2.842
0.862	2.896
0.897	2.948
0.931	3.000
0.966	3.050
1.000	3.099

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Hydro
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DATE	24/06/2021 10:56
Site	Barwell Medical Centre
DESIGNER	Gavin Swift
Ref	ES19.125

SHE-0084-3100-1000-3100
Hydro-Brake Optimum®