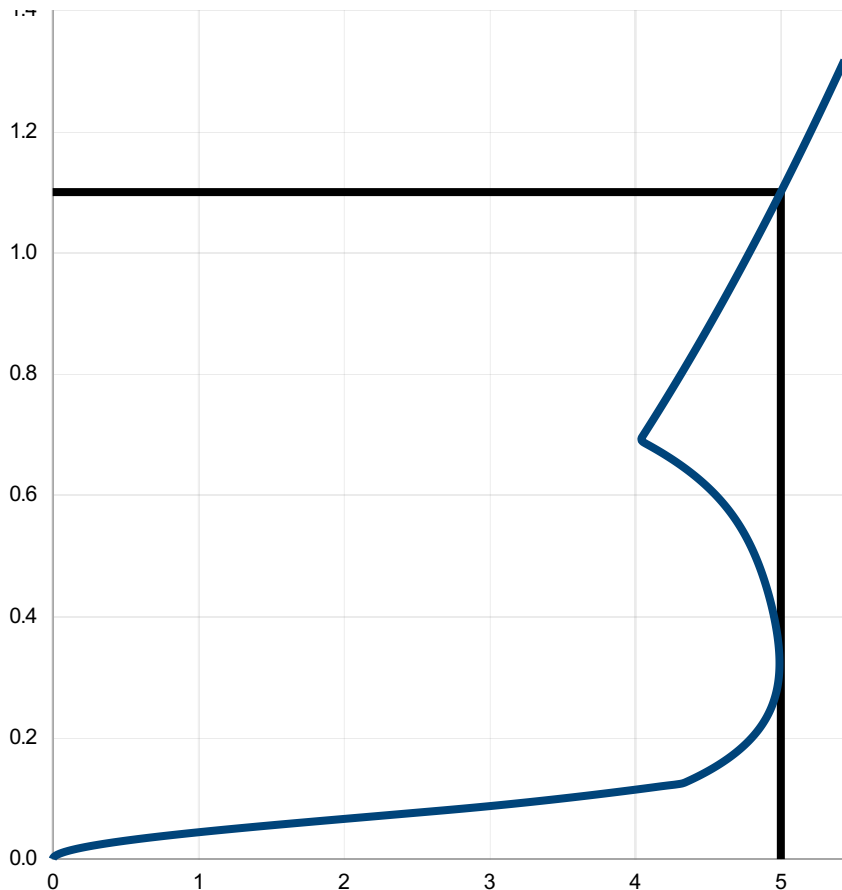


## Technical Specification

| Control Point  | Head (m) | Flow (l/s) |
|----------------|----------|------------|
| Primary Design | 1.100    | 5.000      |
| Flush-Flo™     | 0.323    | 4.991      |
| Kick-Flo®      | 0.690    | 4.030      |
| Mean Flow      |          | 4.354      |



[hydro-int.com/patents](http://hydro-int.com/patents)



| Head (m) | Flow (l/s) |
|----------|------------|
| 0.000    | 0.000      |
| 0.038    | 0.754      |
| 0.076    | 2.465      |
| 0.114    | 3.977      |
| 0.152    | 4.547      |
| 0.190    | 4.758      |
| 0.228    | 4.887      |
| 0.266    | 4.958      |
| 0.303    | 4.988      |
| 0.341    | 4.988      |
| 0.379    | 4.970      |
| 0.417    | 4.937      |
| 0.455    | 4.893      |
| 0.493    | 4.836      |
| 0.531    | 4.762      |
| 0.569    | 4.663      |
| 0.607    | 4.526      |
| 0.645    | 4.341      |
| 0.683    | 4.091      |
| 0.721    | 4.113      |
| 0.759    | 4.211      |
| 0.797    | 4.307      |
| 0.834    | 4.400      |
| 0.872    | 4.491      |
| 0.910    | 4.580      |
| 0.948    | 4.668      |
| 0.986    | 4.753      |
| 1.024    | 4.837      |
| 1.062    | 4.919      |
| 1.100    | 5.000      |

### DESIGN ADVICE



The head/flow characteristics of this SHE-0104-5000-1100-5000 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     | 25/03/2024 16:28           |
| Site     | Ideal                      |
| DESIGNER | William Brown              |
| Ref      | MD-SHE-0104-5000-1100-5000 |

SHE-0104-5000-1100-5000  
**Hydro-Brake® Optimum**