# DATA SHEET

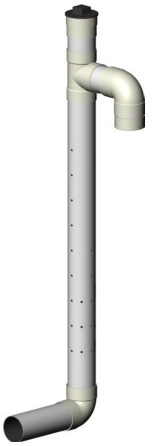
## COLUMN FLOW REGULATOR

**PRODUCT DESCRIPTION :** Passive flow regulator device consisting of a vertical perforated column, designed to be installed in a new or existing catch basin or manhole and connected to the outlet pipe.

**FUNCTION :** Controls stormwater discharge to the sewer system and helps activate the major drainage system (surface runoff), depending on site design.

**RAW MATERIAL :** 100 mm (4 in) - Made of HDPE and/or PVC resin
150 mm (6 in) - Made of PVC resin

**TECHNICAL DATA :** Helps meet the requirements of the City of Montreal Standard 20-030.
Can be sized to meet the project-specific discharge criteria.
Perforations: 100 mm (4 in) = 9 mm
150 mm (6 in) = per project



Illustrated diameter:
100 mm (4 in)

## TECHNICAL DATA

| Diameter | | | | | | Configuration | Perforations height | | Theoretical flow rate at H = 1200 mm$^2$ | Theoretical flow rate at H = 1775 mm$^2$ |
|---|---|---|---|---|---|---|---|---|---|---|
| Nominal | | Interior | | Outside | | | | | | |
| mm | in | mm | in | mm | in | | mm | in | L/s | L/s |
| 100 | 4 | 98 | 3,9 | 107 | 4,2 | 100 | 0 | 0 | 0,23 | 1,22 |
| 100 | 4 | 98 | 3,9 | 107 | 4,2 | 200 | 300 | 11,8 | 0,63 | 2,44 |
| 100 | 4 | 98 | 3,9 | 107 | 4,2 | 300 | 400 | 15,7 | 1,01 | 3,67 |
| 100 | 4 | 98 | 3,9 | 107 | 4,2 | 400 | 500 | 19,7 | 1,36 | 4,89 |
| 100 | 4 | 98 | 3,9 | 107 | 4,2 | 500 | 600 | 23,6 | 1,69 | 6,11 |
| 100 | 4 | 98 | 3,9 | 107 | 4,2 | 600 | 700 | 27,6 | 2,09 | 7,33 |
| 100 | 4 | 98 | 3,9 | 107 | 4,2 | 700 | 800 | 31,5 | 2,45 | 8,56 |
| 100 | 4 | 98 | 3,9 | 107 | 4,2 | 800 | 900 | 35,4 | 2,76 | 9,78 |
| 100 | 4 | 98 | 3,9 | 107 | 4,2 | 900 | 1000 | 39,4 | 3,13 | 11,00 |
| 100 | 4 | 98 | 3,9 | 107 | 4,2 | 1000 | 1100 | 43,3 | 3,49 | 12,22 |

Note 1 : For diameter 150 mm (6 in), please contact your Soleno representative.
Note 2 : H is measured above the invert of the outlet pipe.
Note 3 : Values in the table are approximate and may change without notice.

**APPLICATION :** Flow regulator for catch basin or manhole outlet

**OPTION :** Custom-designed for specific flow rate