

# SPECIFICATIONS

## TREATMENT CATCH BASIN

### SCOPE

These specifications apply to all 600 mm (24 in) to 900 mm (36 in) diameter source treatment catch basins used for pretreating surface runoff.

### TREATMENT CATCH BASIN REQUIREMENTS

The catch basin shall be made with smooth interior and exterior walls, manufactured from a single part and meet CL-625 highway loading requirements as defined in standard CAN/CSA-S6-06, H-25 or HS-25 as defined in standard AASHTO. The catch basin shall have a \_\_\_ mm \_\_\_ in deep sump and available sedimentation volume of \_\_\_ m<sup>3</sup> \_\_\_ ft<sup>3</sup>.

### PRODUCT COMPONENTS

- The catch basin shall be made from high-density polyethylene (HDPE) resin that complies with standards ASTM D3350.

### JOINT PERFORMANCE

- 100 mm (4 in) à 250 mm (10 in) : coupler 90° welded to air vent penetrating the catch basin. The outer section of the coupler shall be equipped with a double bell with integrated gasket with transition to PVC. The gasket shall be co-injected into the double bell.
- 300 mm (12 in) : coupler 90° welded to air vent penetrating the catch basin. The outer section of the coupler shall be equipped with a double bell with clips to ensure proper insertion of the HDPE pipe. The gasket shall be co-injected into the double bell.
- 375 mm (15 in) à 900 mm (36 in) : coupler 90° welded to air vent penetrating the catch basin. The outer section of the coupler shall be equipped with a double bell with clips to ensure proper insertion of the HDPE pipe. The gasket shall be co-injected into the bell.
- Fused and/or glued gaskets will not be permitted.

### FRAMES AND GRATES

- For roadway use, frames and grates shall be made of cast iron and adjustable, allowing transfer of loads to the surrounding soil.
- For non-roadway use, grates and covers shall be made from S series cast iron.

### DIMENSIONS AND QUANTITIES

Dimensions and quantities shall comply with tender documents and drawings.

### INSTALLATION

Installation of the treatment catch basin will be made according to the installation requirements of the concrete catch basin specified in standard BNQ 1809-300, and following Soleno's recommendations. Contact the Soleno representative in your region or visit our website at [www.soleno.com](http://www.soleno.com) for installation recommendations.