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 ___ m³ ____ ft³.

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 for installation recommendations.