



SPECIFICATIONS

SPILLWAY

SCOPE

These specifications apply to all 450 mm (18 in) to 1 500 mm (60 in) diameter spillways used for controlling the water level in an open-air retention system while regulating flow.

SPILLWAY REQUIREMENTS

A spillway shall be made with smooth interior and corrugated exterior walls. The upper part of a spillway shall be made with a half-section, equipped with a 304 stainless steel or galvanized steel grate sized based on retention volume and drought flows.

PRODUCT COMPONENTS

- The spillway shall be made from high-density polyethylene (HDPE) resin that complies with standard ASTM D3350.
- The grate shall be made from 304 stainless steel or hot dip galvanized steel according to standard ASTM A123. The galvanizing thickness shall be at least 20 microns according to standard ASTM A153.

JOINT PERFORMANCE

- 100 mm (4 in) to 250 mm (10 in): double bell with integrated gasket (DBIG). The DBIG and Solflo Max assembly is certified as per standard CSA B182.8, Type 1. The gasket shall be co-injected into the bell and shall overlap two corrugations.
- 300 mm (12 in) to 900 mm (36 in): bell with integrated gasket with clips (BIGC). The BIGC and Solflo Max assembly is certified as per standard CSA B182.8, Type 1. The gasket shall be co-injected into the bell and shall overlap two corrugations.
- 1050 mm (42 in): bell with gasket (BG) installed by the manufacturer onto the male end, covered by a protective film for shipping. The assembly is certified as per standard CSA B182.8, type 3.
- 1200 mm (48 in): bell with integrated gasket with clips (BIGC). The BIGC and Solflo Max assembly shall comply with standard CSA B182.8.
- 1500 mm (60 in): bell with gasket (BG) installed by the manufacturer onto the male end, covered by a protective film for shipping. The assembly is certified as per standard CSA B182.8, Type 1.
- Gaskets shall comply with table 3 from standard BNQ 3624-120 and table 6 from standard CSA B181.0.

DIMENSIONS AND QUANTITIES

Dimensions and quantities shall comply with tender documents and drawings.

INSTALLATION

Installation of the spillway 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 solenocom.com for installation recommendations.