

SPECIFICATIONS

HDPE CDS^{MD}

SCOPE

These specifications apply to the performance, materials and manufacture of models CDS-3 to CDS-10 of the patented continuous deflective hydrodynamic separator CDS with HDPE structure supplied by Soleno.

TREATMENT UNIT REQUIREMENTS

The HDPE continuous deflective hydrodynamic separator CDS shall be supplied by Soleno Inc. and shall comply with these materials and performance specifications based on specified flow and storage capacity.

RAW MATERIALS

- The structure of the CDS shall be made from high-density polyethylene (HDPE) resin that complies with standard ASTM D3350. 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, H-25 or HS-25 as defined in standard AASHTO.
- The internal components and accessories that make up the treatment device must comply with:
 - Separation screen shall be manufactured of Type 316 and 316L stainless steel conforming to ASTM F 1267-01.
 - Hardware shall be manufactured of Type 316 stainless steel conforming to ASTM A 320.
 - Fiberglass components shall be conform to the ASTM D-4097.

PERFORMANCE

- The CDS shall include a ____ mm (____ in) interior diameter treatment chamber.
- The CDS shall include a fiberglass structure (central cylinder, oil deflector and weir) and a stainless-steel separation screen of ____ mm (____ in) diameter and of ____ mm (____ in) height.
- The CDS shall include a sediment storage sump with an interior diameter of ____ mm (____ in) and a minimum interior height of 610 mm (24 in) for CDS-3 to CDS-6 systems and 914 mm (36 in) for CDS-7 to CDS-10 systems.
- The CDS shall capture the oils, grease, waste and floating debris and ____ % of Total Suspended Solids (TSS) entering the chamber (annually). Size of particles to control: from coarse silt to very coarse sand (60 microns and over).
- The CDS should be accessible from above the chamber to allow access for routine inspections and maintenance and shall include at least; one (1) 750 mm (30 in) interior diameter access for CDS-3 to CSS-5 models, two (2) 250 mm (10 in) and one (1) 750 mm (30 in) interior diameter access for CDS-6 model or two (2) 750 mm (30 in) interior diameter access for CDS-7 to CDS-10 models.

FRAMES AND COVERS

- Frames and covers are adjustable cast iron types allowing load transfer to surrounding soils.

DIMENSIONS AND QUANTITIES

Dimensions and quantities shall comply with tender documents and drawings.

INSTALLATION*

Installation will be made according to the Soleno's recommendations. Contact the Soleno representative in your region or visit our website at www.soleno.com for installation recommendations.

* In accordance with the BNQ 1809-300 standard