



**SC-310 TECHNICAL SPECIFICATION**  
NFS

90.7' (2204 mm) ACTUAL LENGTH

ACCEPTS 4" (100 mm) SCH 40 PVC PIPE FOR INSPECTION PORT. FOR PIPE SIZES LARGER THAN 4" (100 mm) UP TO 10" (250 mm) USE INVERTED TIE CONNECTION CENTERED ON A CHAMBER CREST CORRUPTION

85.4' (2109 mm) INSTALLED LENGTH

BUILD ROW IN THIS DIRECTION

OVERLAP NEXT CHAMBER HERE (COVER SMALL CORRUPTION)

START END

9.9' (251 mm)

16.5' (396 mm)

45.9' (1166 mm)

34.0' (864 mm)

10'1" (406 mm)

**NOMINAL CHAMBER SPECIFICATIONS**

SIZE (W X H X INSTALLED LENGTH)	CHAMBER STORAGE	MINIMUM INSTALLED STORAGE*	WEIGHT
34.0' X 10.0' X 85.4' (864 mm X 406 mm X 2109 mm)	14.7 CUBIC FEET (0.41 m³)	31.0 CUBIC FEET (0.86 m³)	50.0 lbs. (18.6 kg)

\*ASSUMES 6" (152 mm) ABOVE, BELOW, AND BETWEEN CHAMBERS

PRE-FAB STUB AT BOTTOM OF END CAP FOR PART NUMBERS ENDING WITH "B"  
 PRE-FAB STUB AT TOP OF END CAP FOR PART NUMBERS ENDING WITH "T"  
 PRE-CORED END CAPS END WITH "9C"

PART #	STUB	A	B	C
SC310EPED7 / SC310EPEN7PC	6" (150 mm)	9.9" (244 mm)	5.8" (147 mm)	—
SC310EPED8 / SC310EPEN8PC	8" (200 mm)	11.9" (302 mm)	—	0.9" (13 mm)
SC310EPED7 / SC310EPED7PC	6" (150 mm)	11.9" (302 mm)	3.9" (89 mm)	—
SC310EPED8 / SC310EPED8PC	8" (200 mm)	12.7" (323 mm)	—	0.8" (15 mm)
SC310EPED7 / SC310EPED7PC	6" (150 mm)	12.7" (323 mm)	1.4" (36 mm)	—
SC310EPED8 / SC310EPED8PC	8" (200 mm)	13.5" (343 mm)	—	0.7" (16 mm)
SC310EPE12B	12" (300 mm)	—	—	0.8" (20 mm)

ALL STUBS, EXCEPT FOR THE SC310EPE12B ARE PLACED AT BOTTOM OF END CAP SUCH THAT THE OUTSIDE DIAMETER OF THE STUB IS FLUSH WITH THE BOTTOM OF THE END CAP. FOR ADDITIONAL INFORMATION CONTACT STORMTECH AT 1-888-862-2664.

\* FOR THE SC310EPE12B THE 12" (300 mm) STUB LIES BELOW THE BOTTOM OF THE END CAP APPROXIMATELY 0.25" (6 mm). BACKFILL MATERIAL SHOULD BE REMOVED FROM BELOW THE N-12 STUB SO THAT THE FITTING SITS LEVEL.

NOTE: ALL DIMENSIONS ARE NOMINAL.

### IMPORTANT NOTES FOR THE BIDDING AND INSTALLATION OF THE SD-310/SD-740 SYSTEM

1. STORMTECH 30-310 & 30-740 CHAMBERS SHALL NOT BE INSTALLED UNTIL THE MANUFACTURER'S REPRESENTATIVE HAS COMPLETED A PRE-CONSTRUCTION MEETING WITH THE INSTALLERS.
  2. STORMTECH 30-310 & 30-740 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH 30-310/30-740/30-730 CONSTRUCTION GUIDE".
  3. CHAMBERS ARE NOT TO BE BACKFILLED WITH A DOZER OR AN EXCAVATOR SITUATED OVER THE CHAMBERS.
    - STORMTECH RECOMMENDS A BACKFILL METHOD:
      - STONES/HOTEL LOCATED OFF THE CHAMBER BED.
      - BACKFILL AS ROWS ARE BUILT USING AN EXCAVATOR ON THE FOUNDATION STONE OR SUBGRADE.
      - BACKFILL FROM OUTSIDE THE EXCAVATION USING A LONG BOOM HOE OR EXCAVATOR.
  4. THE FOUNDATION STONE SHALL BE LEVELLED AND COMPACTED PRIOR TO PLACING CHAMBERS.
  5. JOINTS BETWEEN CHAMBERS SHALL BE PROPERLY SEATED PRIOR TO PLACING STONE.
  6. MAINTAIN MINIMUM - 6" (150 mm) SPACING BETWEEN THE CHAMBER ROWS.
  7. EMBEDEDMENT STONE SURROUNDING CHAMBERS MUST BE A CLEAN, CRUSHED, ANGULAR SIZE #4-2 (20-50 mm).
  8. THE CONTRACTOR MUST REPORT ANY DISCREPANCIES WITH CHAMBER FOUNDATION MATERIALS BEARING CAPACITIES TO THE SITE DESIGN ENGINEER.
  9. ASK RECOMMENDS THE USE OF "ELKSTORM FATHOM IT" INSERTS DURING CHAMBER CONSTRUCTION FOR ALL INLETS TO PROTECT THE SUBSURFACE STORMWATER MANAGEMENT SYSTEM FROM CATCHMENT SITE RUNOFF.
- ## NOTES FOR CONSTRUCTION EQUIPMENT
1. STORMTECH 30-310 & 30-740 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH 30-310/30-740/30-730 CONSTRUCTION GUIDE".
  2. THE USE OF CONSTRUCTION EQUIPMENT OVER 30-310 & 30-740 CHAMBERS IS LIMITED:
    - CONSTRUCTION EQUIPMENT IS ALLOWED ON BASE CHAMBERS.
    - NO RUBBER Tired LOADERS, DUMP TRUCKS, OR EXCAVATORS ARE ALLOWED UNTIL PROPER FILL DEPTHS ARE REACHED IN ACCORDANCE WITH THE STORMTECH 30-310/30-740/30-730 CONSTRUCTION GUIDE.
    - WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT CAN BE FOUND IN THE "STORMTECH 30-310/30-740/30-730 CONSTRUCTION GUIDE".
  3. FULL 3' (900 mm) OF STABILIZED COVER MATERIALS OVER THE CHAMBERS IS REQUIRED FOR DUMP TRUCK TRAVEL AND CHAMBERS.
- USE OF A DOZER TO STABIL EMBEDEDMENT STONE BETWEEN THE ROWS OF CHAMBERS MAY CAUSE DAMAGE TO THE CHAMBERS AND IS NOT AN ACCEPTABLE BACKFILL METHOD. ANY CHAMBERS DAMAGED BY THE "DUMP AND PUNCH" METHOD ARE NOT COVERED UNDER THE STORMTECH STANDARD WARRANTY.
- CONTACT STORMTECH AT 1-888-956-2964 WITH ANY QUESTIONS ON INSTALLATION REQUIREMENTS OR WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT.

## BMP DETAILS