DESIGN STANDARDS FOR: IRRIGATION SYSTEMS

1. The following note shall be included on the drawings or in the irrigation system specifications:
   a. “Irrigation boxes shall include a lockable lid and locking hardware such as bolts and clips necessary for access-proof security.”
   b. Provide locking lid and hardware by Carson, or equivalent (see attachment) Series number’s 1419 or and 1324. or equivalent

2. There shall be no gate valves on any irrigation or plumbing systems. All shall be ball valves.

3. Quick couplers shall be by Buckner, 1” Brass.
General Detail  Medium Box Series 1324

Product  HDPE Drop-in Cover
1324-2B Bolt Down Cover

Product  Iron Cover & Frame
EN124 Class B125
Cast/Ductile Iron Cover and Frame

Product  Concrete Cover & Frame
EN124 Class B125
Concrete Infill and Galvanised Steel Frame

Product  Box
1324-15B (with Insert)
Dimensions:
Inside
L/W 600/355
X/Y 760/575
Outside
A/B 845/400
D 390
E/F 835/590

Product  Box
(not shown)  1324-18
Dimensions:
Inside
L/W 565/325
X/Y 790/540
Outside
A/B 630/390
D 455
E/F 860/620

Product  Base Extension
(not shown)  1324-8
L/W 790/540
A/B 860/620
D 205

Options & Accessories:
- Box colours available: Black, Green. Other colours to special order.
- 102 x 102 Knock Out (2 places)

Application Notes: Carson boxes are suitable for a wide range of applications, from grass verge (A15) to car park applications (B125). It is important to select the correct cover and frame and installation method to suit the loading and local conditions. Technical advice is available from Carson. These products are not designed for carriageway use. All dimensions to nearest Smm.

Due to our policy of continuous improvement, we reserve the right to change specifications without notice.

CITY OF BELLINGHAM PARKS AND RECREATION DESIGN STANDARDS FOR PARK AND TRAIL DEVELOPMENT
Technical Specifications  Medium Box Series 1324

Material Data
 Specification available on request
 Structural Foam - High Density Polyethylene
 HDPE has excellent chemical resistance to ethanol, acetone, diesel etc. and is unaffected by sulfate ground conditions.
 - Recyclable
 - Robust - no breakage waste
 - Completely impervious to water
 - Nitrogen injection creates cellular core (CFC free)
 - High strength to weight ratio
 - High stiffness to weight ratio
 - Easy to cut for duct entries

Properties of unfoamed resin
 Test Method
 Tensile Strength  ISO 1926  21.37 - 37.92 N/mm²
 Flexural Modulus  ISO 1290 - 2  1103 - 1447 N/mm²
 Notched Izod Impact Strength  ISO 180 - 1A  270 - 800 J/m
 Deflection Temperature  ISO 75 - 1  73 - 82°C
 Density  ISO 8962  0.955 g/cm³
 Chemical Resistance  -  Excellent
 Water Absorption  -  None

Vertical Load Rating
 Meets the loading requirements of EN124 Class B125 i.e. 125kN (~12.5t) test load when tested in free standing load tests - independent of backfill. Suitable for areas accessible to all slow moving traffic.

Cover and Frame Options

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<tr>
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<tr>
<td>Cast/Ductile Iron Cover &amp; Frame (EN124 Class B125)</td>
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Other options available on request.

Shipping Configuration

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CITY OF BELLINGHAM PARKS AND RECREATION DESIGN STANDARDS FOR PARK AND TRAIL DEVELOPMENT
END OF SECTION