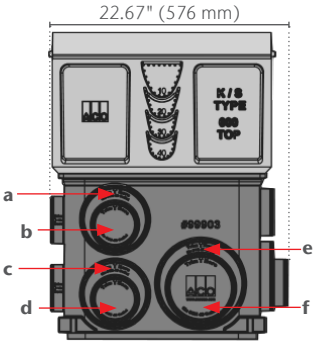
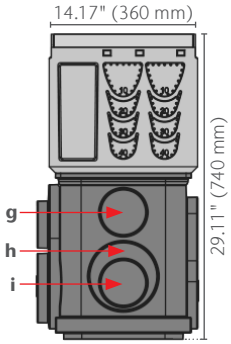
K1-621 Catch Basin w/ Plastic Base

K1-621 (K100)
part no. 94617

Side



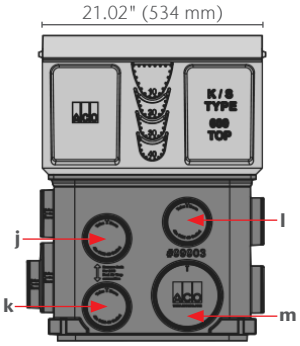
Front



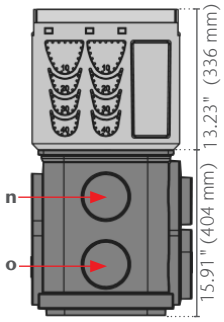
Catch Basin Outlet	Size (SCH 40)	Invert in	GPM	CSF
a	6.00"	20.62	514	1.15
b	4.00"	20.07	231	0.52
c	6.00"	27.76	609	1.36
d	4.00"	27.19	273	0.61
e	8.00"	27.76	1061	2.36
f	6.00"	27.19	602	1.34
g	4.00"	19.15	225	0.50
h	6.00"	26.28	591	1.32
i	4.00"	25.86	266	0.59

K1-621 (KS100)
part no. 94618

Side



Front

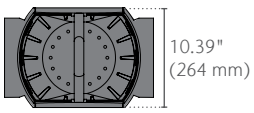


Catch Basin Outlet	Size (SCH 40)	Invert in	GPM	CSF
j	4.00"	21.29	239	0.53
k	4.00"	27.79	276	0.62
l	4.00"	19.72	229	0.51
m	6.00"	27.79	610	1.36
n	4.00"	19.84	230	0.51
o	4.00"	26.34	269	0.60

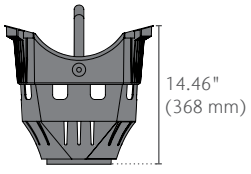
Note: These are pipe flow rates at specified outlets, NOT channel flow rates. Catch basin flow rates are listed without a trash bucket—using a trash bucket reduces flow.

Trash Bucket
included with K1-621

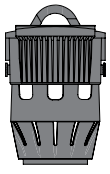
Top



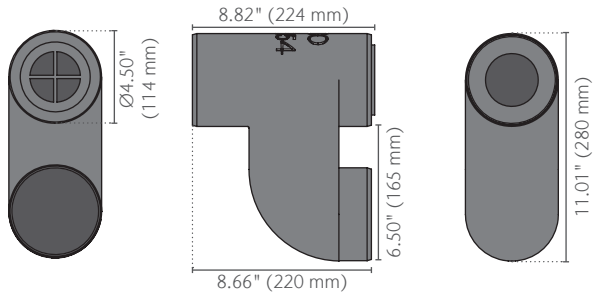
Side



Front



Foul Air Trap (optional)
part no. 90854



K1-621 Catch Basin w/ Plastic Base

Product Name	Part No.	Volume* gal	Weight lbs
K1-621 Catch Basin w/Plastic Base (K100)	**94617**	24.9	55.8
K1-621 Catch Basin w/Plastic Base (KS100)	**94618**	24.9	55.8
Foul Air Trap	**90854**	-	1.2

**Volume is up to grate seat and without trash bucket.*

Specification Summary

General

The catch basin shall be ACO Drain K1-621 Catch Basin, comprising of a top section, trash bucket and base as manufactured by ACO, Inc. or similar approved.

Grates

Grates shall be specified. See separate ACO Spec Info grate sheets for details. After removal of grates and QuickLok® bar there shall be uninterrupted access to the catch basin to aid maintenance. Accepts all 0.5 m ACO K300 DrainLok grates or K300 QuickLok grates with optional QuickLok bar.

Installation

The trench drain/catch basin system shall be installed in accordance with the manufacturer's installation instructions and recommendations.

Materials

The catch basin top section shall be manufactured from polymer concrete with the minimum properties as follows:

- Compressive strength: 13,053 psi
- Flexural strength: 3,191 psi
- Water absorption: 0.07%
- Resistant to dilute acid and alkali
- Frost-proof
- Salt-proof

The nominal clear opening shall be 14.17" (360 mm) wide by 21.02" (534 mm) long. Type K1-621 catch basin assembly has overall depth of 29.11" (740 mm). Polymer concrete top units shall incorporate a cast in a galvanized or stainless steel frame manufactured with drillouts for channel connection and have a wall thickness of at least 0.59" (15 mm). Top units shall have horizontal cast in anchoring key features on the outside to ensure maximum mechanical bond to the surrounding bedding material and pavement surface. The base unit shall be an LLDPE plastic molding and incorporate molded plastic pipe stubs to facilitate pipe connection. The trash bucket shall be a polypropylene plastic molding.

EN1433 Load Class E
134,885 lbs – 2,785 psi

ACO, Inc.

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