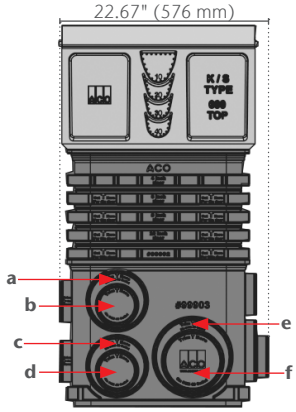
K1-631 Catch Basin w/ Plastic Riser & Base

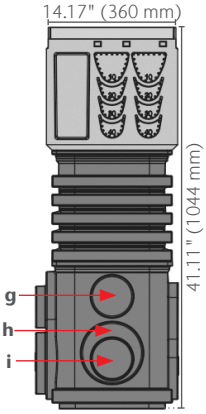
K1-631 (K100)

part no. 94631

Side



Front

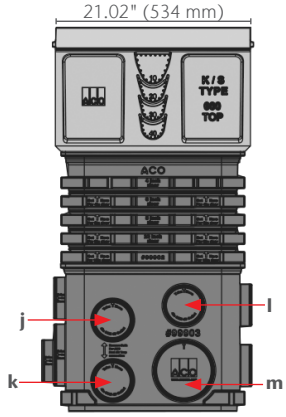


Catch Basin Outlet	Size (SCH 40)	Invert in	GPM	CFS
a	6.00"	32.62	667	1.49
b	4.00"	32.07	299	0.67
c	6.00"	39.76	743	1.65
d	4.00"	39.19	332	0.74
e	8.00"	39.76	1302	2.9
f	6.00"	39.19	737	1.64
g	4.00"	31.15	294	0.65
h	6.00"	38.28	728	1.62
i	4.00"	37.86	326	0.73

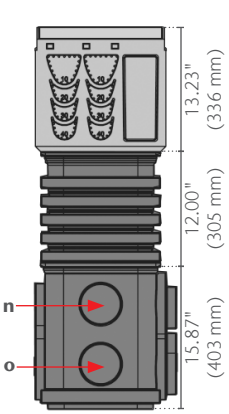
K1-631 (KS100)

part no. 94632

Side



Front



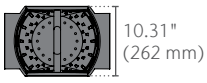
Catch Basin Outlet	Size (SCH 40)	Invert in	GPM	CFS
j	4.00"	33.29	305	0.68
k	4.00"	39.79	335	0.75
l	4.00"	31.72	297	0.66
m	6.00"	39.79	743	1.66
n	4.00"	31.84	297	0.66
o	4.00"	38.34	328	0.73

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.

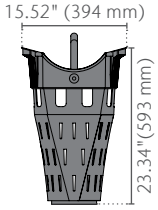
Trash Bucket

included with the K1-631

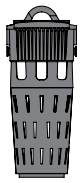
Top



Side



Front



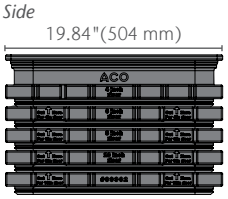
Riser

part no. 99902 included with the K1-631

Top



Side

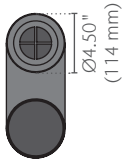


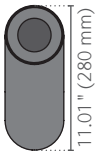
Front

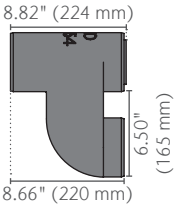


Foul Air Trap (optional)

part no. 90854







K1-631 Catch Basin w/ Plastic Riser & Base

Product Name	Part No.	Volume* gal	Weight lbs
K1-631 Catch Basin w/ Plastic Riser & Base (K100)	**94631**	34.7	65.8
K1-631 Catch Basin w/ Plastic Riser & Base (KS100)	**94632**	34.7	65.8
Series 600 Plastic Riser	**99902**	9.8	10.0
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 K1-631 Catch Basin, comprising of a top section, trash bucket, riser and base as manufactured by ACO, Inc. or similar approved.

Riser

Riser can be useful between top unit and base. Use of riser is determined by access and local building codes.

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 22.67" (576 mm) long. Type K1-631 catch basin assembly has overall depth of 41.11" (1044 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 and riser 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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