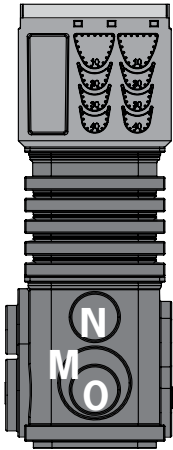
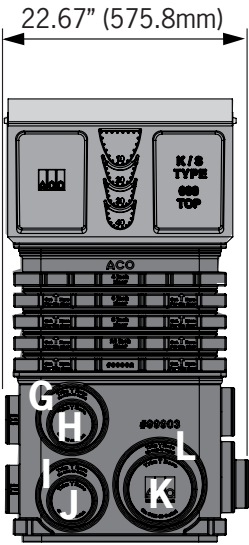
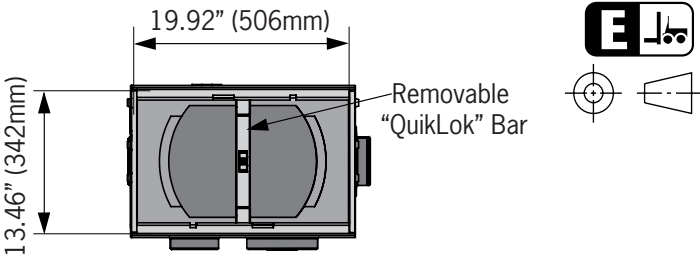
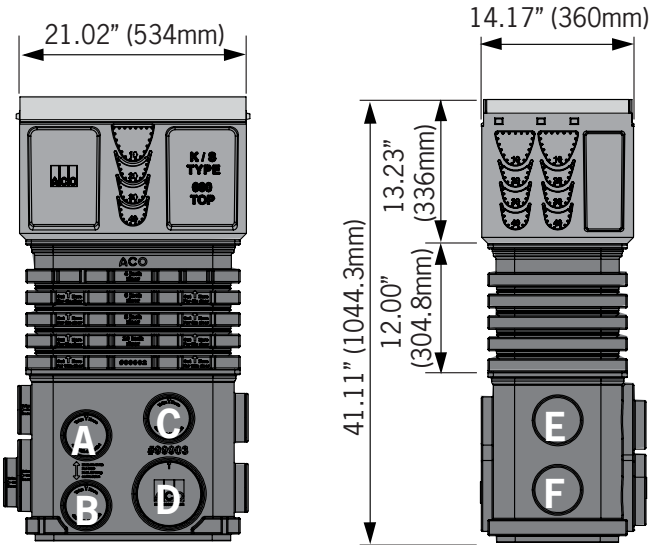


ACO DRAIN

K1-631G Catch Basin

K1-631G Catch Basin



Outlet flow rates

Outlet	Product	Outlet size (Sch. 40)	Invert Depth	GPM	CFS
A	Type K1-631G	4" round	33.29"	305	0.68
B	Type K1-631G	4" round	39.79"	335	0.75
C	Type K1-631G	4" round	31.72"	297	0.66
D	Type K1-631G	6" round	39.79"	743	1.66
E	Type K1-631G	4" round	31.84"	297	0.66
F	Type K1-631G	4" round	38.34"	328	0.73
G	Type K1-631G	6" round	32.62"	667	1.49
H	Type K1-631G	4" round	32.07"	299	0.67
I	Type K1-631G	6" round	39.76"	743	1.65
J	Type K1-631G	4" round	39.19"	332	0.74
K	Type K1-631G	6" round	39.19"	737	1.64
L	Type K1-631G	8" round	39.76"	1302	2.90
M	Type K1-631G	6" round	38.28"	728	1.62
N	Type K1-631G	4" round	31.15"	294	0.65
O	Type K1-631G	4" round	37.86"	326	0.73

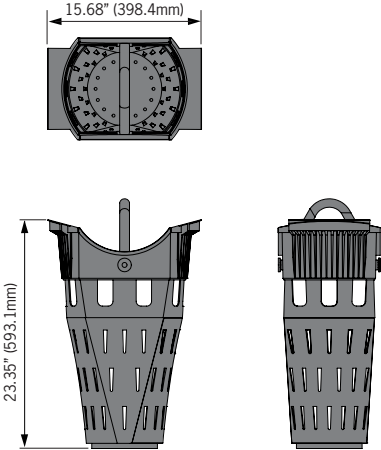
Note:

1. These are the pipe flow rates at the specified outlet, **NOT** channel flow rates.

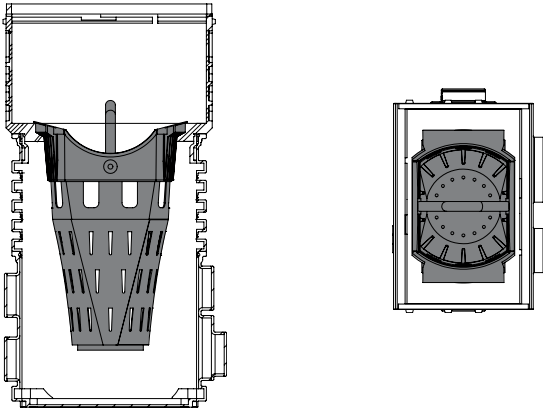
*Flow rates without trash bucket - using trash bucket or filter bag reduces flow rates.

2. 4" diameter foul air trap, part# 90854, can be fitted to catch basin base at outlet positions A/B and E/F

Trash Bucket



Note: Openings in trash bucket are 74.4"² (48,028mm²)



Note: Trash bucket position within K1-621G catch basin body and base

ACO DRAIN

K1-631G Catch Basin



Description	Part No.	Invert Depth		Weight lbs.
		inches	mm	
Type K1-631G Catch basin assembly - top, removable "QuickLok" bar, riser, trash bucket & base	94631	40.86	1038	55.8
Catch Basin Components				
Foul air trap - fits both Type 900 & Type 600 basins	90854	-	-	1.2
QuickLok grate removal tool	01318	-	-	0.3

Specifications

General

The catch basin shall be ACO Drain K1-631G Catch Basin - comprising of top section, riser, trash bucket and base as manufactured by ACO, Inc. or similar approved.

Materials

The top unit body shall be manufactured from polyester polymer concrete with minimum properties as follows:

Compressive strength: 14,000 psi
Flexural strength: 4,000 psi

Water absorption 0.07%
Frost proof YES
Salt proof YES
Dilute acid and alkali resistant YES

The nominal clear opening shall be 13.46" (342mm) wide by 19.92" (506mm) long. Overall width of 22.70" (575.8mm) by 15.38" (390.6mm) long. Type K1-631G catch basin assembly has overall depth of 41.11" (1044.3mm). Polymer concrete top units shall incorporate a cast in galvanized steel frame manufactured with drillouts for channel connection and have a wall thickness of at least 0.59" (15mm). 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 and riser unit shall be a LLDPE plastic molding and incorporate molded plastic pipe stubbs to facilitate pipe connection.

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 half-meter ACO K300 Drainlok grates or K300 Quicklok grates with optional QL bar.

Installation

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

ACO, Inc.

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April 2018

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ACO Specification Information