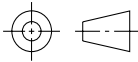
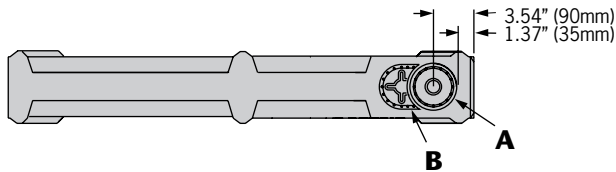
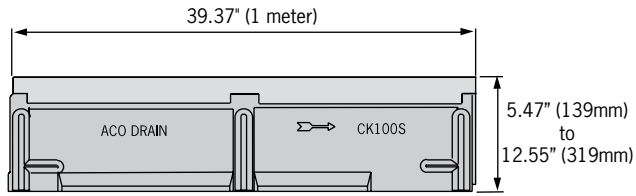




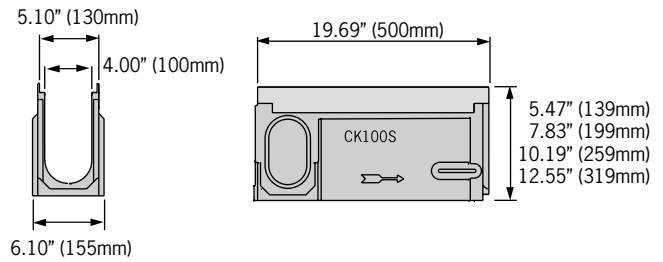
ChemDrain - CK100S



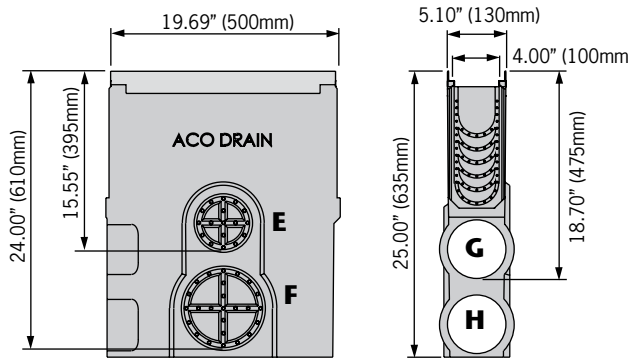
One meter channel



Half meter channel

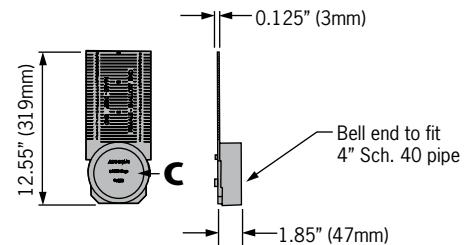


In-line catch basin

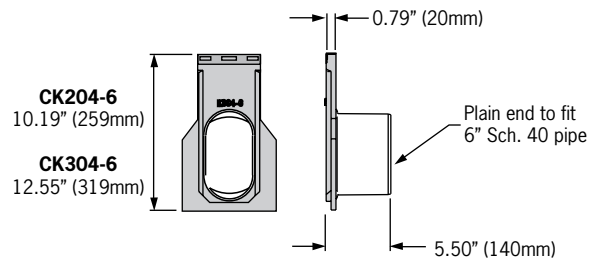


Total capacity = 6.5 gallons

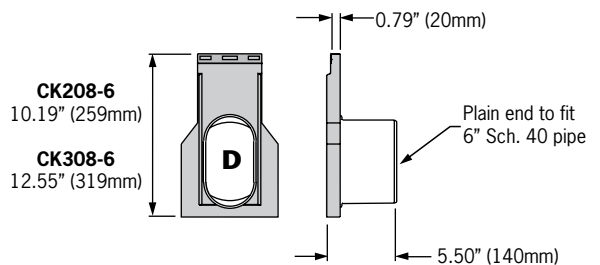
End Caps - Closing/inlet/outlet cap



6" Oval inlet caps



6" Oval outlet caps



Outlet flow rates

Outlet	Product	Outlet size (Sch. 40)	Invert Depth	GPM	CFS
A	Bottom outlet - CK01	4" round	4.60	117	0.26
A	Bottom outlet - CK030	4" round	11.69	185	0.41
B	Bottom outlet - CK01	6" oval	4.60	183	0.40
B	Bottom outlet - CK030	6" oval	11.69	288	0.64
C	Outlet cap - CK10	4" round	6.96	119	0.27
C	Outlet cap - CK030	4" round	11.69	168	0.39
D	Outlet cap - CK020/CK020	6" oval	9.33	220	0.50
D	Outlet cap - CK030/CK030	6" oval	11.69	255	0.59
E	CK900* catch basin	4" round	15.60	200	0.45
F	CK900* catch basin	6" round	24.00	561	1.25
G	CK900* catch basin	4" round	18.70	222	0.49
H	CK900* catch basin	4" round	24.00	255	0.59

Note: These are the pipe flow rates at the specified outlet, **NOT** channel flow rates.
 *Catch basin flow rates are without trash bucket - using trash bucket reduces flow.

ACO Specification Information



ACO DRAIN

CK100S trench drain system



ACO Specification Information

Description	Part No.	Invert Depth		Weight lbs.
		inches	mm	
CK01 Neutral channel - 39.37" (1m)	06676	4.60	117	27.6
CK0003 Neutral channel - 19.69" (0.5m)	06722	4.60	117	16.5
CK1 Sloped channel - 39.37" (1m)	06681	4.60 - 4.84	117 - 123	28.4
CK2 Sloped channel - 39.37" (1m)	06682	4.84 - 5.07	123 - 129	29.3
CK3 Sloped channel - 39.37" (1m)	06683	5.07 - 5.31	129 - 135	30.1
CK4 Sloped channel - 39.37" (1m)	06684	5.31 - 5.55	135 - 141	30.9
CK5 Sloped channel - 39.37" (1m)	06685	5.55 - 5.78	141 - 147	31.8
CK6 Sloped channel - 39.37" (1m)	06686	5.78 - 6.02	147 - 153	32.6
CK7 Sloped channel - 39.37" (1m)	06687	6.02 - 6.25	153 - 159	33.5
CK8 Sloped channel - 39.37" (1m)	06688	6.25 - 6.49	159 - 165	34.3
CK9 Sloped channel - 39.37" (1m)	06689	6.49 - 6.73	165 - 171	35.1
CK10 Sloped channel - 39.37" (1m)	06690	6.73 - 6.96	171 - 177	35.7
CK010 Neutral channel - 39.37" (1m)	99453	6.96	177	36.8
CK0103 Neutral channel - 19.69" (0.5m)	99462	6.96	177	20.5
CK11 Sloped channel - 39.37" (1m)	06691	6.96 - 7.20	177 - 183	37.6
CK12 Sloped channel - 39.37" (1m)	06692	7.20 - 7.44	183 - 189	38.5
CK13 Sloped channel - 39.37" (1m)	06693	7.44 - 7.68	189 - 195	39.3
CK14 Sloped channel - 39.37" (1m)	06694	7.68 - 7.92	195 - 201	40.1
CK15 Sloped channel - 39.37" (1m)	06695	7.92 - 8.14	201 - 207	41.0
CK16 Sloped channel - 39.37" (1m)	06696	8.14 - 8.38	207 - 213	41.8
CK17 Sloped channel - 39.37" (1m)	06697	8.38 - 8.62	213 - 219	42.7
CK18 Sloped channel - 39.37" (1m)	06698	8.62 - 8.86	219 - 225	43.5
CK19 Sloped channel - 39.37" (1m)	06699	8.86 - 9.09	225 - 231	44.3
CK20 Sloped channel - 39.37" (1m)	06700	9.09 - 9.33	231 - 232	45.2
CK020 Neutral channel - 39.37" (1m)	99478	9.33	237	46.0
CK0203 Neutral channel - 19.69" (0.5m)	99489	9.33	237	24.5
CK21 Sloped channel - 39.37" (1m)	06701	9.33 - 9.56	237 - 243	46.8
CK22 Sloped channel - 39.37" (1m)	06702	9.56 - 9.80	243 - 249	47.7
CK23 Sloped channel - 39.37" (1m)	06703	9.80 - 10.04	249 - 255	48.5
CK24 Sloped channel - 39.37" (1m)	06704	10.04 - 10.27	255 - 261	49.3
CK25 Sloped channel - 39.37" (1m)	06705	10.27 - 10.51	261 - 267	50.2
CK26 Sloped channel - 39.37" (1m)	06706	10.51 - 10.74	267 - 273	51.0
CK27 Sloped channel - 39.37" (1m)	06707	10.74 - 10.98	273 - 279	51.9
CK28 Sloped channel - 39.37" (1m)	06708	10.98 - 11.22	279 - 285	52.7
CK29 Sloped channel - 39.37" (1m)	06709	11.22 - 11.45	285 - 291	53.5
CK30 Sloped channel - 39.37" (1m)	06710	11.45 - 11.69	291 - 297	54.4
CK030 Neutral channel - 39.37" (1m)	99469	11.69	297	55.8
CK0303 Neutral channel - 19.69" (0.5m)	99503	11.69	297	29.0
In-line Catch Basins				
CK900 in-line catch basin - 19.69" (0.5m)	96484	24.00"	610	71.2
CK900 QuickLok bar (removable)	98717	-	-	0.1
Series 900 plastic trash bucket	01498	-	-	1.1
Foul air trap PP	90854	-	-	1.2
Accessories				
Universal ABS closing/4" inlet/outlet cap	96825	-	-	0.4
CK204-6 Inlet cap - 6" PP pipe	97174	9.33	237	3.2
CK208-6 Outlet cap - 6" PP pipe	97231	9.33	237	3.2
CK304-6 Inlet cap - 6" PP pipe	97148	11.69	297	3.6
CK308-6 Outlet cap - 6" PP pipe	97203	11.69	297	3.6
Type 824 6" Sch. 40 PP oval to round outlet	95140	-	-	1.1
QuickLok locking bar	02899	-	-	0.1
QuickLok Grate Lifting Tool	01318	-	-	0.3

Notes:

1. CK100S channels and catch basins have Grate 304 stainless steel rails and vinyl ester polymer concrete bodies
2. Preformed 4" dia. & 6" flumed drill out outlet underside of every channel
3. Closing cap can be cut down for shallower channels
4. Add 0.87" (22mm) for overall depth of channels
5. Add 1" (25mm) for overall depth of catch basin

Specifications

General

The surface drainage system shall be ACO Drain CK100S complete with gratings secured with 'QuickLok' locking as manufactured by ACO Polymer Products, Inc. or equal approved.

Materials

The trench system bodies shall be manufactured from vinyl ester polymer concrete with minimum properties as follows:

Compressive strength: 14,000 psi
 Flexural strength: 4,000 psi
 Water absorption 0.07%
 Chemically resistant to specified liquids*

The nominal clear opening shall be 4.00" (100mm) with overall width of 5.10" (130mm). Pre-cast units shall be manufactured with either an invert slope of 0.6% or with neutral invert and have a wall thickness of at least 0.50" (13mm). Each unit will feature a full radius in the trench bottom and a male to female interconnecting end profile. Units shall have horizontal cast in anchoring features on the outside wall to ensure maximum mechanical bond to the surrounding bedding material and pavement surface. The stainless steel edge rail will be integrally cast in by the manufacturer to ensure maximum homogeneity between Vinyl ester polymer concrete body and edge rail. Each edge rail shall be at least 1/8" (3mm) thick.

Grates

Grates should be specified. See separate ACO Spec Info grate sheets for details. After removal of gratings and 'QuickLok' bar there shall be uninterrupted access to the trench to aid maintenance.

Installation

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

*determine by use of coupons

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