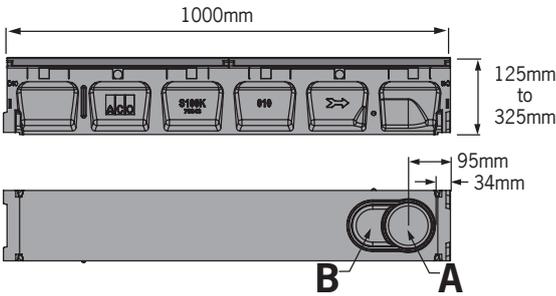
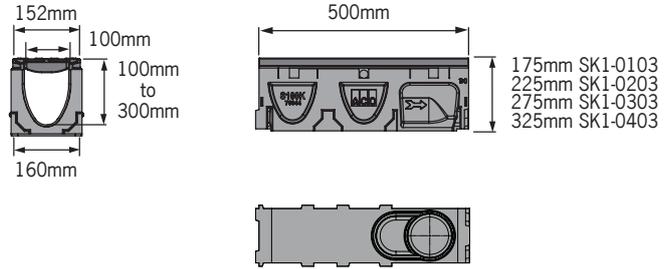




One metre channel

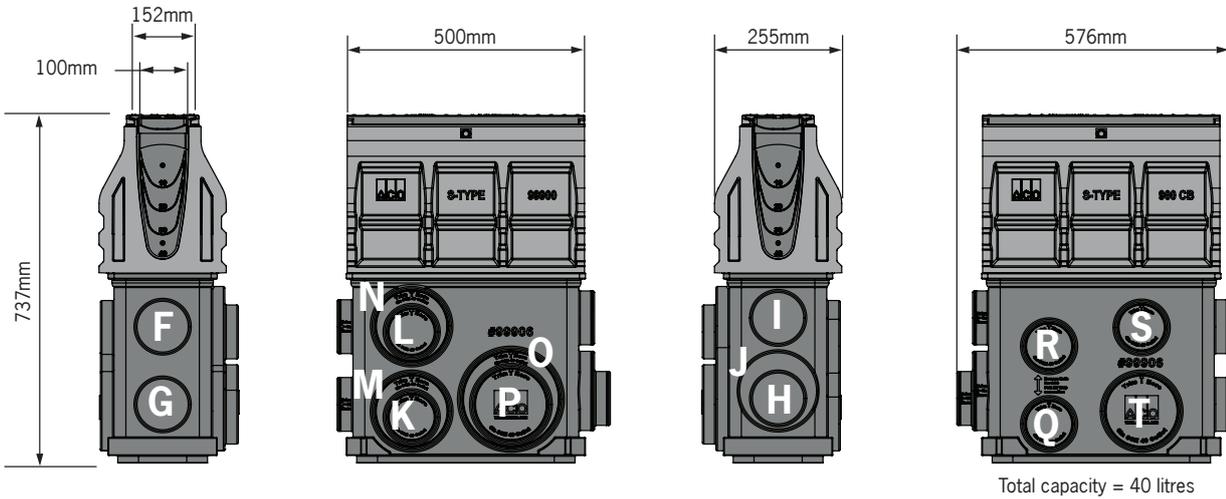


Half metre channel



Knock-outs included on every 5th channel

SK1-901 In-line pit

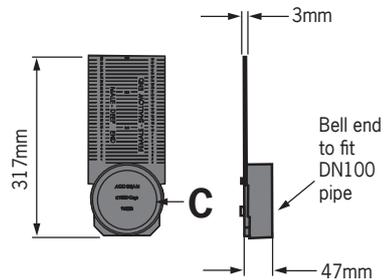


Outlet flow rates

Outlet	Product	Outlet size	Invert Depth (mm)	L/s
A	Bottom outlet - SK1-00	100mm round	100	7.2
A	Bottom outlet - SK1-040	100mm round	300	12.4
B	Bottom outlet - SK1-00	150mm oval	100	11.7
B	Bottom outlet - SK1-040	150mm oval	300	20.3
C	End outlet - SK1-020	100mm round	200	7.1
C	End outlet - SK1-040	100mm round	300	10.1
F	SK1-901	100mm round	505	14.4
G	SK1-901	100mm round	670	17.1
H	SK1-901	100mm round	657	16.9
I	SK1-901	100mm round	487	14.1
J	SK1-901	150mm round	668	36.6
K	SK1-901	100mm round	691	17.4
L	SK1-901	100mm round	511	14.5
M	SK1-901	150mm round	706	37.9
N	SK1-901	150mm round	525	31.1
O	SK1-901	200mm round	706	64.3
P	SK1-901	150mm round	691	37.4
Q	SK1-901	100mm round	706	17.6
R	SK1-901	100mm round	541	15.0
S	SK1-901	100mm round	501	14.3
T	SK1-901	150mm round	706	37.9

Note: These are the pipe flow rates at the specified outlet, NOT channel flow rates. In-line pit flow rates are without rubbish basket - using rubbish basket reduces flow.

End Cap





Description	Part No.	Invert ² (mm)	Weight (kg)	Description	Part No.	Invert ² (mm)	Weight (kg)
SK1-00 Neutral channel - (1m)¹	67041	100	22.5	SK1-28 Sloped channel - (1m)	67028	240	34.7
SK1-1 Sloped channel - (1m)	67001	105	22.5	SK1-29 Sloped channel - (1m)	67029	245	35.1
SK1-2 Sloped channel - (1m)	67002	110	22.9	SK1-30 Sloped channel - (1m) ¹	67030	250	35.6
SK1-3 Sloped channel - (1m)	67003	115	23.4	SK1-030 Neutral channel - (1m)¹	67047	250	35.6
SK1-4 Sloped channel - (1m)	67004	120	23.8	SK1-0303 Neutral channel - (0.5m)¹	67048	250	17.7
SK1-5 Sloped channel - (1m) ¹	67005	125	24.3	SK1-31 Sloped channel - (1m)	67031	255	36.0
SK1-6 Sloped channel - (1m)	67006	130	24.7	SK1-32 Sloped channel - (1m)	67032	260	36.5
SK1-7 Sloped channel - (1m)	67007	135	25.2	SK1-33 Sloped channel - (1m)	67033	265	36.9
SK1-8 Sloped channel - (1m)	67008	140	25.6	SK1-34 Sloped channel - (1m)	67034	270	37.4
SK1-9 Sloped channel - (1m)	67009	145	26.1	SK1-35 Sloped channel - (1m) ¹	67035	275	37.8
SK1-10 Sloped channel - (1m) ¹	67010	150	26.5	SK1-36 Sloped channel - (1m)	67036	280	38.3
SK1-010 Neutral channel - (1m)¹	67043	150	26.5	SK1-37 Sloped channel - (1m)	67037	285	38.7
SK1-0103 Neutral channel - (0.5m)¹	67044	150	13.7	SK1-38 Sloped channel - (1m)	67038	290	39.2
SK1-11 Sloped channel - (1m)	67011	155	27.0	SK1-39 Sloped channel - (1m)	67039	295	39.6
SK1-12 Sloped channel - (1m)	67012	160	27.4	SK1-40 Sloped channel - (1m) ¹	67040	300	40.1
SK1-13 Sloped channel - (1m)	67013	165	27.9	SK1-040 Neutral channel - (1m)¹	67049	300	40.1
SK1-14 Sloped channel - (1m)	67014	170	28.3	SK1-0403 Neutral channel - (0.5m)¹	67050	300	19.8
SK1-15 Sloped channel - (1m) ¹	67015	175	28.8	SK1-901 In-line pit (0.5m) ³	142547	737 ⁴	39.3
SK1-16 Sloped channel - (1m)	67016	180	29.3	Type 900 In-line plastic rubbish basket	01498	-	0.5
SK1-17 Sloped channel - (1m)	67017	185	29.7	Universal end cap	96824	317 ⁴	0.2
SK1-18 Sloped channel - (1m)	67018	190	30.2	Debris strainer for 100mm knockout	93488	-	0.1
SK1-19 Sloped channel - (1m)	67019	195	30.6	Installation device	97477	-	1.3
SK1-20 Sloped channel - (1m) ¹	67020	200	31.1	Grate removal tool	01318	-	0.1
SK1-020 Neutral channel - (1m)¹	67045	200	31.1	PowerLok safety clip	10443	-	-
SK1-0203 Neutral channel - (0.5m)¹	67046	200	15.7				
SK1-21 Sloped channel - (1m)	67021	205	31.5				
SK1-22 Sloped channel - (1m)	67022	210	32.0				
SK1-23 Sloped channel - (1m)	67023	215	32.4				
SK1-24 Sloped channel - (1m)	67024	220	32.8				
SK1-25 Sloped channel - (1m) ¹	67025	225	33.3				
SK1-26 Sloped channel - (1m)	67026	230	33.7				
SK1-27 Sloped channel - (1m)	67027	235	34.2				

Notes:

1. This channel offers bottom knockout feature; 100mm round & 150mm oval.
2. Inverts shown are male end, for female invert depths - subtract 5mm from male invert (except neutral channels where it will be the same as the male invert). To calculate overall channel depth add 25mm to invert depth.
3. In-line pit assembly (polymer concrete top with ductile iron edge rail and plastic base).
4. Overall depth of in-line pit and end cap.

Specifications

The surface drainage system shall be ACO's PowerDrain S100K polymer concrete V-profile channel system with ductile iron edge rails as manufactured by ACO.

Channels

S100K channel shall be 100mm nominal internal width with an overall width of 160mm. Channel invert shall have a V-profile to allow efficient drainage and channel walls shall have deep pockets and vertical ribs for mechanical keying. S100K sloped channels shall have a built-in slope of 0.5%. All channels shall be interlocking with a male/female joint and have provisions for the installation device.

Grates

Insert specification for the selected grate. Refer to the relevant ACO Specification Information sheet, at: <http://www.acodrain.com.au/resources>

Installation

The complete drainage system shall be by ACO and to be installed for its intended purpose. Any deviation or partial use of the specified system and/or improper installation will void all warranties provided by ACO.

Materials

S100K channel shall be manufactured from polyester resin polymer concrete with integrally cast-in ductile iron edge rails with anti-shunt lugs.

Properties of polymer concrete will be as follows with supporting documentation:

Compressive Strength:	98 MPa
Flexural Strength:	26 MPa
Tensile Strength:	14 MPa
Water Absorption:	0.07%
Frost Proof:	YES
Coefficient of Expansion and Contraction:	2.02x10 ⁻⁵ /°C
Water Vapour Transmission:	0.0364g/m ²
Non Flammable:	YES
Roughness (Mannings):	n=0.011
Resistant to Weathering:	YES
Dilute Acid and Alkali Resistant:	YES
SF Sealant Groove:	YES

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