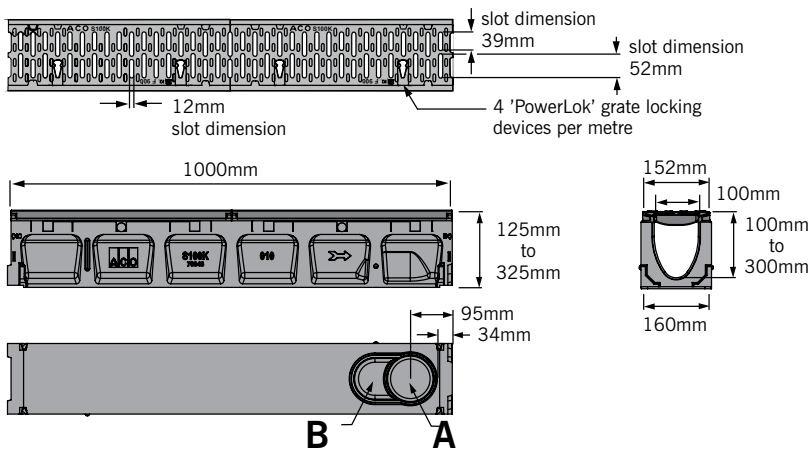
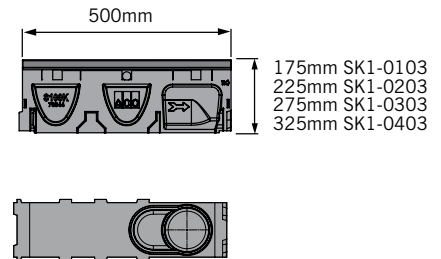




One metre channel

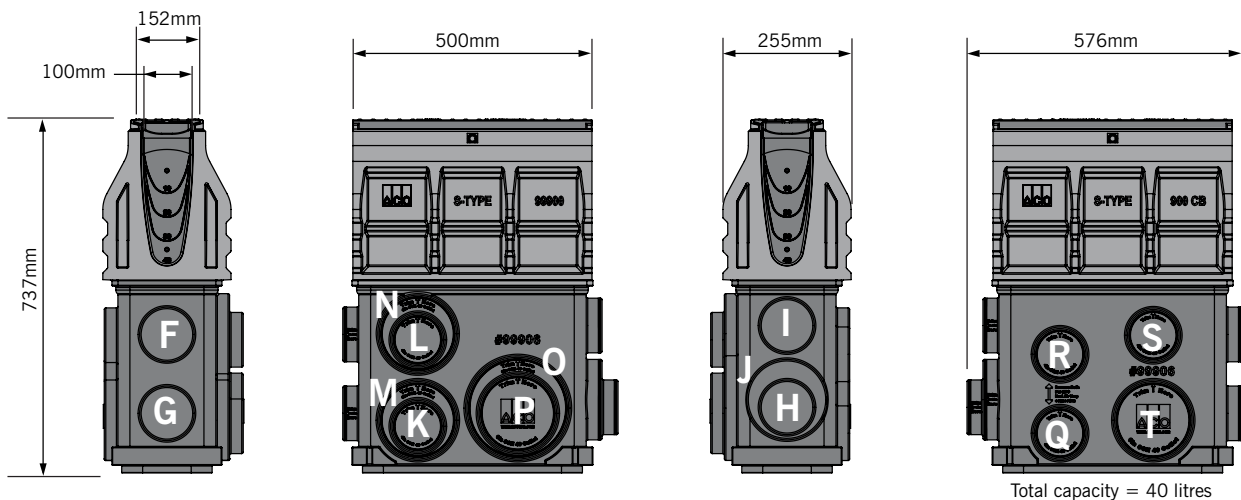


Half metre channel



Knock-outs included on every 5th channel

SK1-901 In-line pit



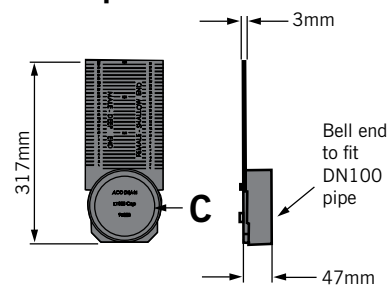
Total capacity = 40 litres

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



PowerDrain - S100K Iron edge rail channel system with slotted grate



Description	Part No.	Invert ² (mm)	Weight (kg)	Description	Part No.	Invert ² (mm)	Weight (kg)
SK1-00 Neutral channel - (1m)¹	150041	100	33.7	SK1-28 Sloped channel - (1m)	150028	240	45.9
SK1-1 Sloped channel - (1m)	150001	105	33.7	SK1-29 Sloped channel - (1m)	150029	245	46.3
SK1-2 Sloped channel - (1m)	150002	110	34.1	SK1-30 Sloped channel - (1m) ¹	150030	250	46.8
SK1-3 Sloped channel - (1m)	150003	115	34.6	SK1-030 Neutral channel - (1m)¹	150047	250	46.8
SK1-4 Sloped channel - (1m)	150004	120	35.0	SK1-0303 Neutral channel - (0.5m)¹	150048	250	23.3
SK1-5 Sloped channel - (1m) ¹	150005	125	35.5	SK1-31 Sloped channel - (1m)	150031	255	47.2
SK1-6 Sloped channel - (1m)	150006	130	35.9	SK1-32 Sloped channel - (1m)	150032	260	47.7
SK1-7 Sloped channel - (1m)	150007	135	36.4	SK1-33 Sloped channel - (1m)	150033	265	48.1
SK1-8 Sloped channel - (1m)	150008	140	36.8	SK1-34 Sloped channel - (1m)	150034	270	48.6
SK1-9 Sloped channel - (1m)	150009	145	37.3	SK1-35 Sloped channel - (1m) ¹	150035	275	49.0
SK1-10 Sloped channel - (1m) ¹	150010	150	37.7	SK1-36 Sloped channel - (1m)	150036	280	49.5
SK1-010 Neutral channel - (1m)¹	150043	150	37.7	SK1-37 Sloped channel - (1m)	150037	285	49.9
SK1-0103 Neutral channel - (0.5m)¹	150044	150	19.3	SK1-38 Sloped channel - (1m)	150038	290	50.4
SK1-11 Sloped channel - (1m)	150011	155	38.2	SK1-39 Sloped channel - (1m)	150039	295	50.8
SK1-12 Sloped channel - (1m)	150012	160	38.6	SK1-40 Sloped channel - (1m) ¹	150040	300	51.3
SK1-13 Sloped channel - (1m)	150013	165	39.1	SK1-040 Neutral channel - (1m)¹	150049	300	51.3
SK1-14 Sloped channel - (1m)	150014	170	39.5	SK1-0403 Neutral channel - (0.5m)¹	150050	300	25.4
SK1-15 Sloped channel - (1m) ¹	150015	175	40.0	SK1-901 In-line pit (0.5m) ³	141779	737 ⁴	44.9
SK1-16 Sloped channel - (1m)	150016	180	40.5	Type 900 In-line plastic rubbish basket	01498	-	0.5
SK1-17 Sloped channel - (1m)	150017	185	40.9	Universal end cap	96824	317 ⁴	0.2
SK1-18 Sloped channel - (1m)	150018	190	41.4	Debris strainer for 100mm knockout	93488	-	0.1
SK1-19 Sloped channel - (1m)	150019	195	41.8	Installation device	97477	-	1.3
SK1-20 Sloped channel - (1m) ¹	150020	200	42.3	Grate removal tool	01318	-	0.1
SK1-020 Neutral channel - (1m)¹	150045	200	42.3	PowerLok safety clip	10443	-	-
SK1-0203 Neutral channel - (0.5m)¹	150046	200	21.3				
SK1-21 Sloped channel - (1m)	150021	205	42.7				
SK1-22 Sloped channel - (1m)	150022	210	43.2				
SK1-23 Sloped channel - (1m)	150023	215	43.6				
SK1-24 Sloped channel - (1m)	150024	220	44.0				
SK1-25 Sloped channel - (1m) ¹	150025	225	44.5				
SK1-26 Sloped channel - (1m)	150026	230	44.9				
SK1-27 Sloped channel - (1m)	150027	235	45.4				

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, PowerLok grate & plastic base)
4. Overall depth of in-line pit and end cap.
5. Channel and grate assembly come complete.

Specifications**General**

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.

Materials

S100K channel shall be manufactured from polyester resin polymer concrete with integrally cast-in ductile iron edge rails. Properties of polymer concrete will be as follows with supporting documentation:

Compressive Strength: 98 MPa

Flexural Strength:

Tensile Strength:

Water Absorption:

Frost Proof:

Coefficient of Expansion/

Contraction:

Water Vapour Transmission:

Non Flammable:

Roughness (Mannings):

Resistant to Weathering:

Dilute Acid and Alkali Resistant:

SF Sealant Groove:

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

26 MPa

14 MPa

0.07%

YES

2.02x10⁻⁵/°C

0.0364g/m²

YES

n=0.011

YES

YES

YES

drainage. S100K sloped channels shall have a built-in slope of 0.5%. All channels shall be interlocking with a male/female joint.

Grates

Insert specification for the PowerDrain S100K Iron Slotted grate. Refer to the relevant ACO Specification Information sheet, click: <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.

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SPEC INFO
ACO

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