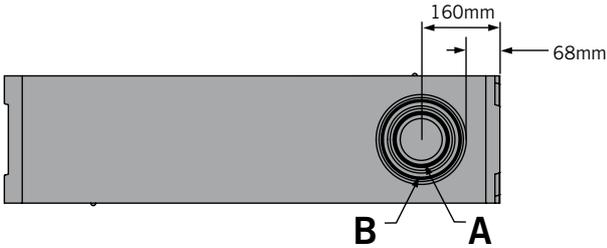
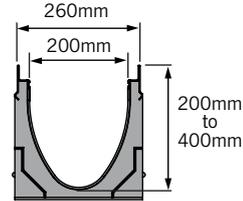
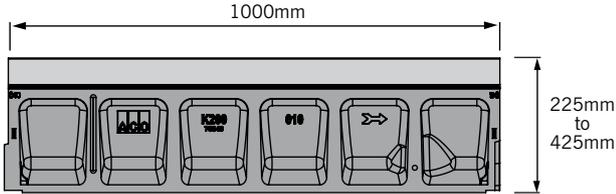
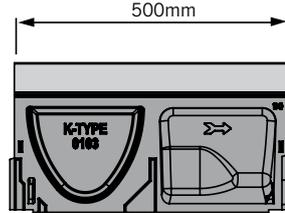




One metre channel

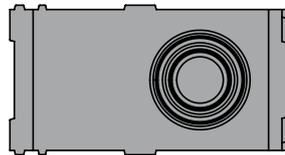


Half metre channel

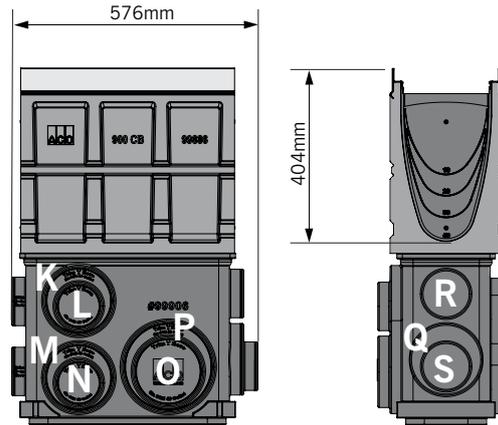
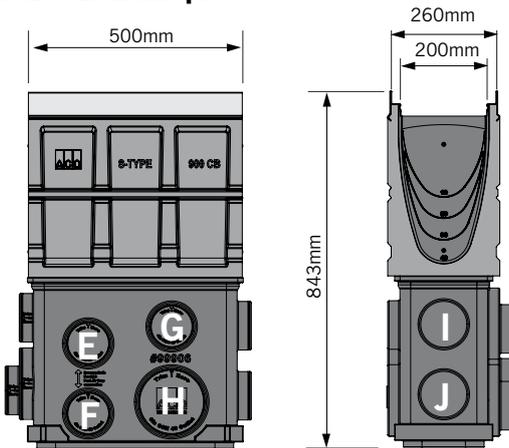


275mm KS2-0103
325mm KS2-0203
375mm KS2-0303
425mm KS2-0403

Knock-outs included on every 5th channel



KS2-902S In-line pit

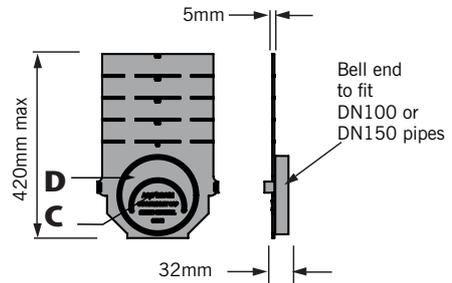


Total capacity = 72 litres

Outlet flow rates

Outlet	Product	Outlet size	Invert Depth (mm)	L/s
A	Bottom outlet - KS2-00	100mm round	200	10.1
A	Bottom outlet - KS2-040	100mm round	400	14.3
B	Bottom outlet - KS2-00	150mm round	200	22.8
B	Bottom outlet - KS2-040	150mm round	400	32.2
C	End outlet - KS2-00	100mm round	200	7.2
C	End outlet - KS2-040	100mm round	400	12.4
D	End outlet - KS2-010	150mm round	250	16.1
D	End outlet - KS2-040	150mm round	400	25.4
E	KS2-902S	100mm round	643	16.7
F	KS2-902S	100mm round	808	19.0
G	KS2-902S	100mm round	604	16.1
H	KS2-902S	150mm round	808	41.3
I	KS2-902S	100mm round	607	16.1
J	KS2-902S	100mm round	772	18.5
K	KS2-902S	150mm round	627	35.1
L	KS2-902S	100mm round	613	16.2
M	KS2-902S	150mm round	808	41.3
N	KS2-902S	100mm round	794	18.8
O	KS2-902S	150mm round	794	40.8
P	KS2-902S	200mm round	808	70.5
Q	KS2-902S	150mm round	770	40.1
R	KS2-902S	100mm round	589	15.8
S	KS2-902S	100mm round	759	18.4

End Cap



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.





Description	Part No.	Invert ² (mm)	Weight (kg)	Description	Part No.	Invert ² (mm)	Weight (kg)
KS2-00 Neutral channel - (1m)¹	145441	200	37.9	KS2-28 Sloped channel - (1m)	145428	340	51.4
KS2-1 Sloped channel - (1m)	145401	205	37.9	KS2-29 Sloped channel - (1m)	145429	345	51.9
KS2-2 Sloped channel - (1m)	145402	210	38.4	KS2-30 Sloped channel - (1m) ¹	145430	350	52.4
KS2-3 Sloped channel - (1m)	145403	215	38.9	KS2-030 Neutral channel - (1m)¹	145447	350	52.4
KS2-4 Sloped channel - (1m)	145404	220	39.4	KS2-0303 Neutral channel - (0.5m)¹	145448	350	30.8
KS2-5 Sloped channel - (1m) ¹	145405	225	39.9	KS2-31 Sloped channel - (1m)	145431	355	52.9
KS2-6 Sloped channel - (1m)	145406	230	40.4	KS2-32 Sloped channel - (1m)	145432	360	53.4
KS2-7 Sloped channel - (1m)	145407	235	40.9	KS2-33 Sloped channel - (1m)	145433	365	53.9
KS2-8 Sloped channel - (1m)	145408	240	41.4	KS2-34 Sloped channel - (1m)	145434	370	54.4
KS2-9 Sloped channel - (1m)	145409	245	41.9	KS2-35 Sloped channel - (1m) ¹	145435	375	54.9
KS2-10 Sloped channel - (1m) ¹	145410	250	42.4	KS2-36 Sloped channel - (1m)	145436	380	55.4
KS2-010 Neutral channel - (1m)¹	145443	250	42.4	KS2-37 Sloped channel - (1m)	145437	385	55.9
KS2-0103 Neutral channel - (0.5m)¹	145444	250	25.4	KS2-38 Sloped channel - (1m)	145438	390	56.4
KS2-11 Sloped channel - (1m)	145411	255	42.9	KS2-39 Sloped channel - (1m)	145439	395	56.9
KS2-12 Sloped channel - (1m)	145412	260	43.4	KS2-40 Sloped channel - (1m) ¹	145440	400	57.4
KS2-13 Sloped channel - (1m)	145413	265	43.9	KS2-040 Neutral channel - (1m)¹	145449	400	57.4
KS2-14 Sloped channel - (1m)	145414	270	44.4	KS2-0403 Neutral channel - (0.5m)¹	145450	400	34.9
KS2-15 Sloped channel - (1m) ¹	145415	275	44.9	KS2-902S In-line pit (0.5m) ³	141820	843 ⁴	30.8
KS2-16 Sloped channel - (1m)	145416	280	45.4	Type 900 In-line plastic rubbish basket	13999	-	0.5
KS2-17 Sloped channel - (1m)	145417	285	45.9	Universal end cap	96821	420 ⁴	0.6
KS2-18 Sloped channel - (1m)	145418	290	46.4	Debris strainer for 100mm knockout	93488	-	0.1
KS2-19 Sloped channel - (1m)	145419	295	46.9	Installation device	97478	-	1.8
KS2-20 Sloped channel - (1m) ¹	145420	300	47.4	Grate removal tool	01318	-	0.1
KS2-020 Neutral channel - (1m)¹	145445	300	47.4	QuickLok bar	10457	-	0.1
KS2-0203 Neutral channel - (0.5m)¹	145446	300	29.0				
KS2-21 Sloped channel - (1m)	145421	305	47.9				
KS2-22 Sloped channel - (1m)	145422	310	48.4				
KS2-23 Sloped channel - (1m)	145423	315	48.9				
KS2-24 Sloped channel - (1m)	145424	320	49.4				
KS2-25 Sloped channel - (1m) ¹	145425	325	49.9				
KS2-26 Sloped channel - (1m)	145426	330	50.4				
KS2-27 Sloped channel - (1m)	145427	335	50.9				

Notes:

1. This channel offers bottom knockout feature; 100mm & 150mm round.
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 stainless steel edge rail, plastic base & removable QuickLok Bar). Select appropriate QuickLok grate to suit.
4. Overall depth of in-line pit and end caps.

Specifications

General

The surface drainage system shall be ACO's KlassikDrain KS200 polymer concrete V-profile channel system with stainless steel edge rails as manufactured by ACO.

Materials

KS200 channels shall be manufactured from polyester resin polymer concrete with integrally cast-in stainless steel edge rails. 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/Contraction: 2.02x10⁻⁵/°C
 Water Vapour Transmission: 0.0364g/m²
 Non Flammable: YES
 Roughness (Mannings): n=0.011
 Resistant to Weathering: YES
 Dilute Acid and Alkali Resistant: YES
 SF Sealant Groove: YES

Channels

KS200 channel shall be 200mm nominal internal width with an overall width of 260mm. Channel invert shall have a V-profile to allow efficient

drainage. KS200 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 selected 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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