

DUAL CHAMBER PITS FOR ON-SITE STORMWATER DETENTION

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Product Description & Applications:

SVC's Dual Chamber Pit system offers a convenient, simple solution for on-site stormwater detention, catering to construction projects such as dual occupancies or infill development. The Dual Chamber Pit uses two separate chambers (inlet and outlet) to slow down the flow of stormwater – the inlet chamber for storage, and the outlet chamber for slowly discharging the stormwater out of the pit. The outflow rate can be controlled by setting the size of the outlet chamber and/or the size of the central orifice (5 options).

All DCPs include rectangular or circular knockouts on all four walls, enabling easy pipe installation on-site. A central 3mm thick steel baffle separates the two chambers, of which its positioning can be amended to change the chamber size.

Note: For OSD applications where specific pit sizes are required, SVC can offer made-to-order pits that are manufactured to exact dimensions and supplied with custom penetrations or knockouts positioned as required.

Item Availability:

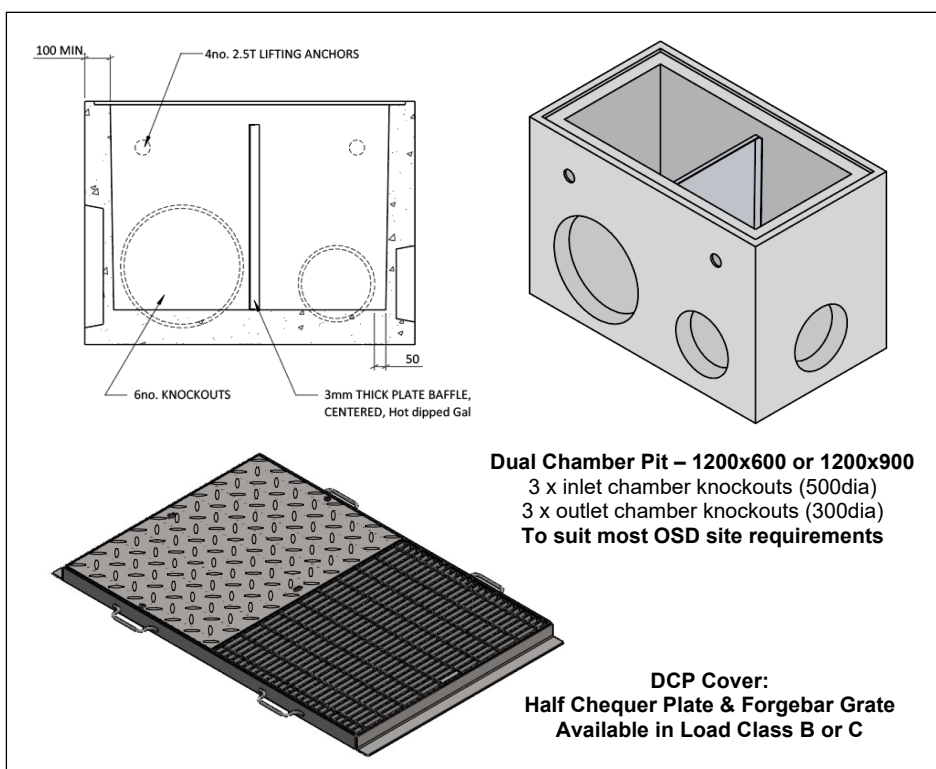
Product components are kept in stock. Standard lead time of 1 week from order for product assembly.

Product Specifications

- Materials:
 - Precast concrete** (pit)
 - Galvanised steel** (cover, baffle, orifice plate, trash grate)
- Compressive strength: **40 MPa**
- Design life: **50 years**

Recycled/Waste Content

- Supplementary cementitious material (fly ash) replacing 10-30% of standard cement
- Recycled plastic fibres, reducing a significant portion of steel reinforcing
- Mixed recycled plastic waste, replacing a portion of stone aggregates



Civil & Infrastructure > Stormwater Detention Systems > Dual Chamber Pit

PIT & BAFFLE

Code	Internal Dims* L x W x H (mm)	Height of Baffle (mm)	External Dims L x W x H (mm)	Knockouts	Lifting Points	Weight
22.DCP1267	1200 x 600 x 700	600	1425 x 825 x 850	3 no. 500dia knockouts (inlet chamber) 3 no. 300dia knockouts (outlet chamber)	4 no. 2.5T SwiftLift anchors	1150 kg
22.DCP1268	1200 x 600 x 800	700	1425 x 825 x 950			1250 kg
22.DCP1269	1200 x 600 x 900	800	1425 x 825 x 1050			1350 kg
22.DCP12610	1200 x 600 x 1000	900	1425 x 825 x 1150			1450 kg
22.DCP12611	1200 x 600 x 1100	1000	1425 x 825 x 1250			1550 kg
22.DCP1297	1200 x 900 x 700	600	1450 x 1150 x 850	3 no. 500dia dia knockouts (inlet chamber) 3 no. 300dia knockouts (outlet chamber)	4 no. 2.5T SwiftLift anchors	1430 kg
22.DCP1298	1200 x 900 x 800	700	1450 x 1150 x 950			1480 kg
22.DCP1299	1200 x 900 x 900	800	1450 x 1150 x 1050			1530 kg
22.DCP12910	1200 x 900 x 1000	900	1450 x 1150 x 1150			1580 kg
22.DCP12911	1200 x 900 x 1100	1000	1450 x 1150 x 1250			1630 kg

*Nominal dimensions only – please note that pit walls have a slight taper. Refer to product drawings for more detail.

DCP ORIFICE PLATES

Code	Description	Weight
22.CP070	CONTROL PLATE FOR DCP 70MM ORIFICE OUTLET	1 kg
22.CP090	CONTROL PLATE FOR DCP 90MM ORIFICE OUTLET	1 kg
22.CP110	CONTROL PLATE FOR DCP 110MM ORIFICE OUTLET	1 kg
22.CP150	CONTROL PLATE FOR DCP 150MM ORIFICE OUTLET	1 kg
22.CP200	CONTROL PLATE FOR DCP 200MM ORIFICE OUTLET	1 kg

DCP COVER (a two-part forgerate grate, one part covered with a 3mm steel chequer plate – available in Class B or C)

Code	Description	Weight
25.DCP126B	DCP GRATE & COVER 1200X600 CLASS B	98 kg
25.DCP126C	DCP GRATE & COVER 1200X600 CLASS C	114 kg
25.DCP129B	DCP GRATE & COVER 1200X900 CLASS B	128 kg
25.DCP129C	DCP GRATE & COVER 1200X900 CLASS C	156 kg

DCP TRASH GRATES (3 options for filtration of fine or medium-sized debris particles)

Code	Description	Aperture	Weight
25.314	GRATE TRASH FINE ALUMINIUM 700X600	8 mm	5
25.315	GRATE TRASH PERFORATED GALVANISED 480X500	20 mm	5
25.316	GRATE TRASH PERFORATED GALVANISED 480X350	20 mm	3

Related Products

Description
PIT DETENTION MULTICELL MC2 A11-A29
Stormwater Pits & Risers (Stock)