

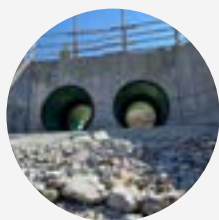


SOLENO
MASTERING WATER SUSTAINABLY

KUSTOMFLO

Made to measure. Made to last.

Connecting you to the future of water management



Water Conveyance

KUSTOMFLO provides superior durability and sustainability for gravity pipe systems, culverts, stormwater and sanitary sewers, pressure pipe systems, and seawater systems such as intakes and outfalls. With a Manning's n of 0.009, KUSTOMFLO has a higher flow capacity than other piping materials.



Relining and Rehabilitation

KUSTOMFLO is extremely suitable for relining damaged and degrading culverts and sewers, as our unique manufacturing method allows for minimal wall thickness while meeting the strength and stiffness properties required.



Storage Systems

KUSTOMFLO is ideal for above and below-ground tanks, including subsurface water supply, stormwater retention, sanitary sewers, and other storage needs. KUSTOMFLO offers the largest HDPE profile pipe diameters available, which can lead to a smaller footprint for the same storage volume.



Manholes and Accessories

All manholes are constructed with HDPE and homogeneously welded to the host pipe. KUSTOMFLO manholes are inspection friendly, self-cleaning, sustainable, flexible, leak-free, and durable. We offer both Standard and Tangential styles and integrated ladders. Manholes are produced using smooth-walled profiles to allow for better soil compaction and settling on the vertical walls.



To learn more, visit our website : solenousa.com

Stormwater Data Sheet

Diameters				Storage Volume		Flow Capacity (1)	
Nominal		Inside		ft ³ /ft	m ³ /m		
mm	in	mm	in			cfs	m ³ /s
600	24	610	24.0	3.1	0.3	32.7	0.9
900	36	914	36.0	7.1	0.7	96.3	2.7
1050	42	1067	42.0	9.6	0.9	145.3	4.1
1200	48	1219	48.0	12.6	1.2	207.4	5.9
1350	54	1372	54.0	15.9	1.5	284.0	8.1
1500	60	1500	59.1	19.1	1.8	361.3	10.2
1650	66	1676	66.0	23.8	2.2	485.1	13.7
1800	72	1800	70.9	27.4	2.5	587.0	16.6
2100	84	2100	82.7	37.3	3.5	885.3	25.1
2400	96	2438	96.0	50.3	4.7	1317.4	37.3
2700	108	2743	108.0	63.6	5.9	1803.6	51.1
3000	120	3048	120.0	78.5	7.3	2388.7	67.6
3400	136	3454	136.0	100.9	9.4	3332.5	94.4

Note 1 : Flow capacity is calculated at full pipe flow with a 1.0% pipe slope.

Product description

Structural profile-wall HDPE pipe with smooth interior and exterior walls.

Applications

Stormwater management, conveyance, detention, culverts, culvert rehabilitation, sanitary and combined sewers, tanks, storage, manholes, and other custom structures and fittings.

Manufacturing standards

ASTM F894. Made in USA. BABA compliant.

Raw material

High-density polyethylene (HDPE) ASTM D3350 meeting the requirements of cell classification PE 334433C (or E).

Manning's n value

0.009



KUSTOMFLO

For your custom-designed projects,
contact our Sales Engineer

838-746-0122 • info@solenousa.com



SOLENO
MASTERING WATER SUSTAINABLY