



DATA SHEET

KUSTOMFLO CLOSED PROFILE PIPE

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

APPLICATIONS: Conveyance, detention, culverts, culvert rehabilitation, stormwater, sanitary and combined sewer, 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).



TECHNICAL DATA: Length: 20 ft/6.1 m (custom lengths available)
Integrated Socket and Spigot
Manning's n 0.009
Ring Stiffness Constant Classification: **RSC160**

WATERTIGHT JOINING SYSTEMS: Double gasket
Electrofusion joint
Extrusion weld

TECHNICAL DATA TABLE⁽¹⁾

KUSTOMFLO STANDARD SIZES - CLOSED PROFILE - CPR160									
Nom ID	Nom ID	Actual ID	Actual ID	Actual OD	Actual OD	Flow ²	Flow ²	Storage	Storage
<i>Inch</i>	<i>MM</i>	<i>Inch</i>	<i>MM</i>	<i>Inch</i>	<i>MM</i>	<i>M³/s</i>	<i>Ft³/s</i>	<i>ft³/ft</i>	<i>m³/m</i>
24	600	24.0	610	28.2	716	0.93	32.7	3.1	0.3
36	900	36.0	914	40.2	1021	2.73	96.3	7.1	0.7
42	1100	42.0	1067	46.2	1173	4.12	145.3	9.6	0.9
48	1200	48.0	1219	52.2	1326	5.87	207.4	12.6	1.2
54	1400	54.0	1372	59.0	1499	8.05	284.0	15.9	1.5
60	1500	59.1	1500	64.1	1628	10.21	361.3	19.1	1.8
66	1700	66.0	1676	71.8	1824	13.73	485.1	23.8	2.2
72	1800	70.9	1800	76.7	1948	16.60	587.0	27.4	2.5
84	2100	82.7	2100	90.5	2298	25.05	885.3	37.3	3.5
96	2400	96.0	2438	103.8	2636	37.29	1,317.4	50.3	4.7
108	2700	108.0	2743	116.0	2945	51.06	1,803.6	63.6	5.9
120	3000	120.0	3048	129.8	3296	67.64	2,388.7	78.5	7.3
136	3400	136.0	3454	145.8	3702	94.41	3,332.5	100.9	9.4

Note 1: The profile of the KustomFlo pipe can be designed according to the constraints specific to the project. This datasheet defines data for closed profile KustomFlo pipe which meets minimum ASTM F894 standards for a ring stiffness classification of RSC160. Please contact your Soleno representative for specific needs.

Note 2: Flow calculated at a full pipe flow with a 1.0% slope

INSTALLATION: Visit our website at www.solenousa.com for the installation guide.

NOTES: For burial depth information and any other inquiries, please contact info@solenousa.com.

Technical data is for informational purposes only and may vary without notice.