

Blue Brute | C900

PRESSURE-RATED PVC PIPE



DELIVERING GOOD WATER TO YOU



AWWA C900-16, CSA B137.3
ASTM D1784 Cell Class 12454
ANSI/NSF 61/14, UL 1285

Gasket: ASTM F477
Joint: ASTM D3139

MARKETS



Potable



Irrigation



Reclaim



Sewer

DESCRIPTION

Available Pipe Sizes (CIOD)

4", 6", 8", 10", 12", 14", 16", 18", 20", 24", 30", 36", 42", 48"

Nominal Laying length = 20 feet (Laying length tolerances are in accordance with AWWA and CSA standards)

Color:

Blue

Green

Purple

White



AWWA C900-16	
305 psi	(DR 14)
235 psi	(DR 18)
200 psi	(DR 21)
165 psi	(DR 25)
125 psi	(DR 32.5)
100 psi	(DR 41)
80 psi	(DR 51)

Note: FM Approvals Pressure Class 185 psi for DR18 and 250 psi for DR14.

CSA B137.3	
309 psi	(DR 14)
235 psi	(DR 18)
167 psi	(DR 25)



BENEFITS



INSTALLATION

Field-cut with a power saw or handsaw; bevel without complicated machinery.

Does not need lining, wrapping, coating, or cathodic protection to prevent galvanic corrosion.



FEATURES

Corrosive resistant, safe, long-lasting, and stable solution for a modern infrastructure.

Consistency in carrying capacity (flow coefficient, C=150), for savings in pumping costs, and size of the pipe.



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PRESSURE-RATED PVC PIPE



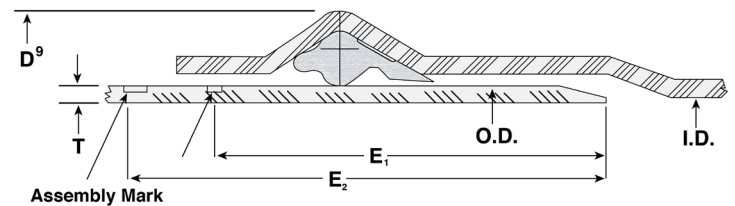
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SUBMITTAL AND DATA SHEET

PIPE SIZE (IN)	AVERAGE O.D. (IN)	NOM. I.D. (IN)	MIN. T. (IN)	APPROX. E ₁ (IN)	APPROX. E ₂ (IN)	APPROX. D' (IN)	APPROX. WGT (LBS/FT)
PRESSURE CLASS 305 psi (DR 14)							
PIPE STIFFNESS: 815 psi							
4	4.80	4.07	0.343	4.5	5.5	6.365	3.2
6	6.90	5.86	0.493	5.25	6.25	8.887	6.7
8	9.05	7.68	0.646	6.25	7.25	11.499	11.6
10	11.10	9.42	0.793	7.25	8.25	14.072	17.6
12	13.20	11.20	0.943	8.25	9.25	16.57	25.1
16	17.40	14.85	1.242	9.75	11.25	21.637	43.77
24	25.80	21.89	1.843	14.25	16.25	31.958	98.33
PRESSURE CLASS 235 psi (DR 18)							
PIPE STIFFNESS: 364 psi							
4	4.80	4.23	0.267	4.5	5.5	6.204	2.6
6	6.90	6.09	0.383	5.25	6.25	8.654	5.3
8	9.05	7.98	0.503	6.25	7.25	11.195	9.2
10	11.10	9.79	0.617	7.25	8.25	13.699	13.9
12	13.20	11.65	0.733	8.25	9.25	16.125	19.7
14	15.30	13.50	0.850	9.25	10.25	18.603	26.75
16	17.40	15.35	0.967	10.25	11.25	21.135	34.86
18	19.50	17.20	1.083	11.25	12.25	23.832	48.95
20	21.60	19.06	1.200	12.25	13.25	26.107	54.22
24	25.80	22.76	1.433	14.25	15.25	31.089	77.97
30	32.00	28.23	1.778	17.25	18.25	38.264	117.82
PRESSURE CLASS 200 psi (DR 21)*							
PIPE STIFFNESS: 224 psi							
14	15.30	13.75	0.729	6.5	8	18.347	23.07
16	17.40	15.64	0.829	7.25	8.75	20.097	30.04
18	19.50	17.53	0.929	7.75	9.25	23.505	37.27
20	21.60	19.42	1.029	8.25	10.25	25.744	46.71
24	25.80	23.19	1.229	9.75	11.25	30.656	67.53
30	32.00	28.77	1.524	11.5	13.5	37.725	103.71
36	38.30	34.43	1.824	13.25	15.25	44.753	152.16
PRESSURE CLASS 165 psi (DR 25)							
PIPE STIFFNESS: 129 psi							
4	4.80	4.39	0.192	4.5	5.5	6.045	1.9
6	6.90	6.31	0.276	5.25	6.25	8.427	3.9
8	9.05	8.28	0.362	6.25	7.25	10.896	6.7
10	11.10	10.16	0.444	7.25	8.25	13.332	10.1
12	13.20	12.08	0.528	8.25	9.25	15.69	14.4
14	15.30	14.00	0.612	9.25	10.25	18.098	19.48
16	17.40	15.92	0.696	10.25	11.25	20.561	25.38
18	19.50	17.85	0.780	11.25	12.25	23.19	31.99
20	21.60	19.77	0.864	12.25	13.25	25.395	39.46
24	25.80	23.61	1.032	14.25	15.25	30.239	56.98
30	32.00	29.29	1.280	17.25	18.25	37.208	88.49
36	38.30	35.05	1.532	19.25	21.25	44.134	128.41
42	44.50	40.73	1.780	22.25	24.25	51.56	176.02
48*	50.80	46.49	2.032	25.25	27.25	58.393	231.22
PRESSURE CLASS 125 psi (DR 32.5)*							
PIPE STIFFNESS: 57 psi							
14	15.30	14.30	0.471	6.5	8	17.799	15.14
16	17.40	16.27	0.535	7.25	8.75	20.219	19.63
18	19.50	18.23	0.600	7.75	9.25	22.808	24.75
20	21.60	20.19	0.665	8.25	10.25	24.973	30.54
24	25.80	24.12	0.794	9.75	11.25	29.734	44.11
30	32.00	29.91	0.985	11.5	13.5	36.582	68.45
36	38.30	35.80	1.178	13.25	15.25	43.383	99.22
48	50.80	47.49	1.563	16.5	18.5	57.399	178.49

PIPE SIZE (IN)	AVERAGE O.D. (IN)	NOM. I.D. (IN)	MIN. T. (IN)	APPROX. E ₁ (IN)	APPROX. E ₂ (IN)	APPROX. D' (IN)	APPROX. WGT (LBS/FT)
PRESSURE CLASS 100 psi (DR 41)							
PIPE STIFFNESS: 28 psi							
14	15.30	14.52	0.373	6.5	8	17.599	12.01
16	17.40	16.51	0.424	7.25	8.75	19.992	15.63
18	19.50	18.50	0.476	7.75	9.25	22.555	19.72
20	21.60	20.49	0.527	8.25	10.25	24.691	24.31
24	25.80	24.48	0.629	9.75	11.25	29.397	35.10
30	32.00	30.35	0.780	11.5	13.5	36.163	54.65
36	38.30	36.30	0.934	13.25	15.25	42.885	78.97
42	44.50	42.18	1.085	15.25	17.5	50.108	108.19
48	50.80	48.14	1.239	16.5	18.5	56.736	142.10
PRESSURE CLASS 80 psi (DR 51)*							
PIPE STIFFNESS: 14 psi							
30	32.00	30.67	0.627	11.5	13.5	35.836	44.08
36	38.30	36.71	0.751	13.25	15.25	42.478	64.32
42	44.50	42.65	0.872	15.5	17.5	49.652	88.10
48	50.80	49.69	0.996	16.5	18.5	56.217	115.79

Product Standard: ANSI/AWWA C900-16
 CSA B137.3* (DR 18, 25, 4"-18"; DR 14, 4"-12")
Pipe Compound: ASTM D1784 Cell Class 12454
Gasket: ASTM F477
Integral Bell Joint: ASTM D3139
Certifications: ANSI/NSF 61, ANSI/NSF 14*
 UL 1285 (DR 14, 18, 25, up to 24"); FM 1612* (DR 14 / DR 18; 4-12")
Note: FM Approvals Pressure Class 185 psi for DR 18 and 250 psi for DR 14.
Nominal Laying Length: 20 feet
 (Laying length tolerances with AWWA and/or CSA standards)
Installation: JM Eagle™ Blue Brute Installation Guide
 Manning Coefficient (n) = 0.009 • Hazen-Williams Coefficient (c) = 150
 *Please call regarding availability.



I.D.: Inside Diameter
 O.D.: Outside Diameter
 T: Wall Thickness
 D⁹: Bell Outside Diameter
 E₁: Distance between 1st Insertion/ Assembly Mark to the end of spigot.
 E₂: Distance between 2nd Insertion/ Assembly Mark to the end of spigot.

