



BLUE BRUTE C900

PRESSURE-RATED PVC PIPE

[Product One Sheet >](#)

Blue Brute | C900

PRESSURE-RATED PVC PIPE



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

GASKETS: ASTM F477

JOINTS: ASTM D3139

MARKETS



POTABLE



IRRIGATION



RECLAIM



SEWER

DESCRIPTION



BLUE BRUTE C900

Nominal Laying Length:

20 feet

(Laying length tolerances are in accordance with AWWA and ASTM standards)

PIPE SIZES

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

AWWA C900

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

- Corrosion resistant, safe, long-lasting, and stable solution for a modern infrastructure.
- Consistency in carrying capacity (flow coefficient, C=150), for savings in pumping cost, and size of the pipe.



*50 year warranty only applicable to C900/Eagle Loc 900, C909, AWWA C901/C906. Check www.jmeagle.com/warranty for full details.

SUBMITTAL AND DATA SHEET

PIPE SIZE (IN)	AVG. O.D. (ID)	NOM. I.D. (IN)	MIN. T. (IN)	APPROX. E ¹	APPROX. E ²	APPROX. D ⁹	APPROX. WGT (LBS/FT)
PRESSURE CLASS: 305 psi (DR 14)							
PIPE STIFFNESS: 815 psi							
4	4.80	4.07	0.343	4.50	5.50	6.365	3.20
6	6.90	5.86	0.493	5.25	6.25	8.887	6.70
8	9.05	7.68	0.646	6.25	7.25	11.499	11.60
10	11.10	9.42	0.793	7.25	8.25	14.072	17.60
12	13.20	11.20	0.943	8.25	9.25	16.570	25.10
14	15.30	13.00	1.093	6.50	8.00	19.094	33.30
16	17.40	14.85	1.242	7.25	8.75	21.637	43.77
18	19.50	16.57	1.393	7.75	9.25	24.193	54.50
20	21.60	18.35	1.543	8.75	10.25	26.797	67.20
24	25.80	21.89	1.843	9.75	11.25	31.950	98.33
PRESSURE CLASS: 235 psi (DR 18)							
PIPE STIFFNESS: 364 psi							
4	4.80	4.23	0.267	4.50	5.50	6.204	2.60
6	6.90	6.09	0.383	5.25	6.25	8.654	5.30
8	9.05	7.98	0.503	6.25	7.25	11.195	9.20
10	11.10	9.79	0.617	7.25	8.25	13.699	13.90
12	13.20	11.65	0.733	8.25	9.25	16.125	19.70
14	15.30	13.50	0.850	6.25	8.00	18.603	26.75
16	17.40	15.35	0.967	7.25	8.75	21.135	34.86
18	19.50	17.20	1.083	7.75	9.25	23.832	48.95
20	21.60	19.06	1.200	8.75	10.25	26.107	54.22
24	25.80	22.76	1.433	9.75	11.25	31.089	77.97
30	32.00	28.23	1.778	11.50	13.50	38.264	117.82
36	38.30	33.83	2.128	13.25	15.25	40.198	170.10
42	44.50	39.30	2.473	15.50	17.50	46.609	301.05

SUBMITTAL AND DATA SHEET

PIPE SIZE (IN)	AVG. O.D. (ID)	NOM. I.D. (IN)	MIN. T. (IN)	APPROX. E ¹	APPROX. E ²	APPROX. D ⁹	APPROX. WGT (LBS/FT)
PRESSURE CLASS: 200 psi (DR 21)							
PIPE STIFFNESS: 224 psi							
14	15.30	13.75	0.729	6.50	8.00	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	8.75	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	11.50	13.50	37.725	103.71
36	38.30	34.43	1.824	13.25	15.25	44.753	152.16
42	44.50	40.05	2.119	15.50	17.50	46.213	216.53
PRESSURE CLASS: 165 psi (DR 25)							
PIPE STIFFNESS: 129 psi							
4	4.80	4.39	0.192	4.50	5.50	6.045	1.90
6	6.90	6.31	0.276	5.25	6.25	8.427	3.90
8	9.05	8.28	0.362	6.25	7.25	10.896	6.70
10	11.10	10.16	0.444	7.25	8.25	13.332	10.10
12	13.20	12.08	0.528	8.25	9.25	15.690	14.40
14	15.30	14.00	0.612	6.50	8.00	18.089	19.48
16	17.40	15.92	0.696	7.25	8.75	20.561	25.38
18	19.50	17.85	0.780	7.75	9.25	23.190	31.99
20	21.60	19.77	0.846	8.75	10.25	25.395	39.46
24	25.80	23.61	1.032	9.75	11.25	30.239	56.98
30	32.00	29.29	1.280	11.50	13.50	37.208	88.49
36	38.30	35.05	1.532	13.25	15.25	44.134	128.41
42	44.50	40.73	1.780	15.50	17.50	51.560	176.02
48*	50.80	46.49	2.032	16.50	18.50	58.393	231.22

SUBMITTAL AND DATA SHEET

PIPE SIZE (IN)	AVG. O.D. (ID)	NOM. I.D. (IN)	MIN. T. (IN)	APPROX. E ¹	APPROX. E ²	APPROX. D ⁹	APPROX. WGT (LBS/FT)
PRESSURE CLASS: 125 psi (DR 32.5)							
PIPE STIFFNESS: 67 psi							
14	15.30	14.30	0.471	6.50	8.00	17.799	15.44
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	20.10	0.665	8.75	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	11.50	13.50	36.582	68.45
36	38.30	35.80	1.178	13.25	15.25	43.383	99.22
42	44.50	41.62	1.369	15.50	17.50	50.814	130.04
48	50.80	47.49	1.563	16.50	18.50	57.399	178.49
PRESSURE CLASS 100: psi (DR 41)							
PIPE STIFFNESS: 28 psi							
14	15.30	14.52	0.373	6.50	8.00	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	8.75	10.25	24.691	24.31
24	25.80	24.48	0.629	9.75	11.25	29.397	35.19
30	32.00	30.35	0.780	11.50	13.50	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	15.50	17.50	50.108	108.19
48	50.80	48.14	1.239	16.50	18.50	44.753	142.10
PRESSURE CLASS: 80 psi (DR 51)							
PIPE STIFFNESS: 14 psi							
30	32.00	30.35	0.627	11.50	13.50	35.836	44.08
36	38.30	36.30	0.751	13.25	15.25	42.478	64.32
42	44.50	42.18	0.872	15.50	17.50	49.652	88.10
48	50.80	48.14	0.996	16.50	18.50	56.217	115.79

PRODUCT STANDARD

ANSI/AWWA C900

CSA DR14*, DR18*,
B137.3* DR25* (4"-24")*

INTEGRAL BELL JOINT

ASTM D3139

Manning Coefficient (n) = 0.009
Hazen-Williams Coefficient (c) = 150

NOMINAL LAYING LENGTH

20 feet

(Laying length tolerances are in accordance with AWWA and ASTM standards.)

PIPE COMPOUND

ASTM D1784 Cell Class 12454

GASKET

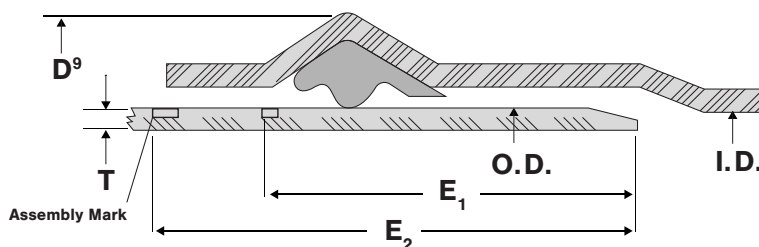
ASTM F477

CERTIFICATION

ANSI/NSF 61
ANSI/NSF 14
UL1285 (DR 14,18,25, up to 24")
FM 1612* (DR 14/DR 18; 4-12")
CSA B137.3* (DR14,18,25; 4-24")

INSTALLATION

JM Eagle™ Ultra Blue Brute
Installation Guide



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 the spigot.

E₂ - Distance between
2nd Insertion/Assembly Mark
to the end of the spigot.

