

PIPE SIZE (INCHES)	SPECIFICATION	GALLONS PER 100'	CHLORINE REQUIRED PER 100' FOR 25ppm (OUNCES)	HTH REQUIRED PER 100' FOR 25ppm (OUNCES)	CHLORINE REQUIRED PER 100' FOR 50ppm (OUNCES)	HTH REQUIRED PER 100' FOR 50ppm (OUNCES)
2	C-901 DR9	16.3	0.05	0.08	0.11	0.17
3	C-901 DR11	36.7	0.12	0.19	0.24	0.38
4	C-900 DR18 C-906 DR11	65.3	0.22	0.34	0.44	0.67
6	C-900 DR18 C-906 DR11	146.9	0.49	0.75	0.98	1.51
8	C-900 DR18 C-906 DR11	261.1	0.87	1.34	1.74	2.68
10	C-900 DR18 C-906 DR11	408.0	1.36	2.09	2.72	4.19
12	C-900 DR18 C-906 DR11	587.5	1.96	3.02	3.92	6.03
14	C-905 DR18 C-906 DR11	799.6	2.67	4.10	5.34	8.21
16	C-905 DR18 C-906 DR11	1044.4	3.48	5.36	6.97	10.72
18	C-905 DR18 C-906 DR11	1321.8	4.41	6.78	8.82	13.57
20	C-905 DR18 C-906 DR11	1631.9	5.44	8.38	10.89	16.57
22	C-905 DR18 C-906 DR11	1974.6	6.59	10.13	13.17	20.27
24	C-905 DR18 C-906 DR11	2349.9	7.84	12.06	15.68	24.12

NOTE:

1. DISINFECTION SHOULD CONFORM TO THE CURRENT VERSION OF AWWA STANDARD C-651.
2. CALCIUM HYPOCHLORITE (HTH) WITH 65% AVAILABLE CHLORINE BY WEIGHT.
3. FORMULAS ARE AS FOLLOWS:

$$\text{Cl}_2 \text{ REQUIRED FOR DISINFECTION (OZ.)} = \text{VOLUME (MG)} \times \text{Cl}_2 \text{ DOSAGE (PPM)} \times (8.34 \text{ LB/GAL}) \times (16 \text{ OZ/LB})$$

$$\text{CALCIUM HYPOCHLORITE REQUIRED FOR DISINFECTION (OZ.)} = \text{Cl}_2 \text{ REQUIRED FOR DISINFECTION (OZ.)} / (\% \text{ AVAILABLE CL}_2 / 100)$$



SCALE: N.T.S.  
DATE: 9/01/2016

# CHLORINE AND CALCIUM HYPOCHLORITE REQUIRED FOR DISINFECTION

DETAIL

# D-42