

Food Hose Characteristics and General Application Information

Ratings are for normal or usual range of the specified compounds. Many are modified to meet the needs of specific applications.

Please read and observe all warnings and caution statements throughout this catalog.

Gates Type	Common Name or Trade Name	Elastomer	Weather / Ozone	Abrasion
C2	Modified Nitrile	Acrylonitrile Butadiene	Good	Good
C4	Modified Carboxylated Nitrile	Carboxylated Nitrile	Good	Excellent
D	Gum Rubber, Buna-S	Natural Rubber or Styrene Butadiene	Poor	Excellent
G	PVC	Polyvinyl Chloride (plasticized)	Excellent	Very Good
L	UHMWPE	Ultra-High Molecular Weight Polyethylene	Very Good	Excellent
P	EPDM	Ethylene Propylene Diene	Excellent	Good
S	Sanitron™	Thermoplastic Vulcanizate	Good	Good
T	FEP	Fluorinated Polyethylene		

Food Master™ XTreme™ 250SD CR
 Formerly - Food & Beverage Master™



Color	Hose I.D.		Hose O.D.		Max. W.P. (psi)	Max. W.P. (Bar)	Vac. (In. Hg)	MBR (in)	Wt. Per ft (Lbs.)	Length (ft)	Std. Pack	Pkg Code	Gates Item No.
	(in)	(mm)	(in)	(mm)									
Blue	1	25.4	1.48	37.6	250	17.2	30.0	3.0	.95	100	PLT	T	3132-0911
Blue	1 1/2	38.1	2.07	52.6	250	17.2	30.0	4.5	.94	100	PLT	T	3132-0907
Blue	2	50.8	2.62	66.5	250	17.2	30.0	6.0	.94	100	PLT	T	3132-0906
Blue	2	50.8	2.62	66.5	250	17.2	30.0	6.0	1.17	200	PLT	T	3132-0205
Blue	3	76.2	3.86	98.0	250	17.2	30.0	18.0	2.44	100	PLT	T	3132-0912
Blue	4	101.6	4.88	124.0	250	17.2	30.0	36.0	3.21	100	PLT	T	3132-0913
Gray	3/4	19.1	1.22	31.0	250	17.2	30.0	2.0	.42	100	PLT	T	3132-0263
Gray	1	25.4	1.48	37.6	250	17.2	30.0	3.0	.52	100	PLT	T	3132-0264
Gray	1 1/2	38.1	2.07	52.6	250	17.2	30.0	4.5	.90	100	PLT	T	3132-0265
Gray	1 1/2	38.1	2.07	52.6	250	17.2	30.0	4.5	.90	200	PLT	T	3132-0066
Gray	2	50.8	2.62	66.5	250	17.2	30.0	6.0	1.21	100	PLT	T	3132-0266
Gray	2 1/2	63.5	3.25	82.6	250	17.2	30.0	12.0	1.82	100	PLT	T	3132-0267
Gray	2 1/2	63.5	3.25	82.6	250	17.2	30.0	12.0	1.81	200	PLT	T	3132-0067
Gray	3	76.2	3.86	98.0	250	17.2	30.0	18.0	2.46	100	PLT	T	3132-0268
Gray	4	101.6	4.88	124.0	250	17.2	30.0	36.0	3.24	100	PLT	T	3132-0269
White	3/4	19.1	1.22	31.0	250	17.2	30.0	2.0	.42	50	PLT	T	3132-5022
White	3/4	19.1	1.22	31.0	250	17.2	30.0	2.0	.42	100	PLT	T	3132-0222
White	1	25.4	1.48	37.6	250	17.2	30.0	3.0	.52	50	PLT	T	3132-5023
White	1	25.4	1.48	37.6	250	17.2	30.0	3.0	.52	100	PLT	T	3132-0216
White	1 1/2	38.1	2.07	52.6	250	17.2	30.0	4.5	.90	50	PLT	T	3132-5024
White	1 1/2	38.1	2.07	52.6	250	17.2	30.0	4.5	.90	100	PLT	T	3132-0217
White	1 1/2	38.1	2.07	52.6	250	17.2	30.0	4.5	.89	200	PLT	T	3132-0223
White	2	50.8	2.62	66.5	250	17.2	30.0	6.0	1.20	50	PLT	T	3132-5025
White	2	50.8	2.62	66.5	250	17.2	30.0	6.0	1.19	100	PLT	T	3132-0218



Food Master™ Beverage 250SD CR
 Formerly - Cellar Master™



- AGRICULTURE
- AIR BREATHING
- AIR DUCT
- AIR AND MULTI-PURPOSE
- CHEMICAL
- FOOD AND BEVERAGE**
- ENGINE AND MARINE
- MATERIAL HANDLING
- MINING
- OILFIELD
- PETROLEUM
- PRESSURE WASH AND WASHDOWN
- STEAM
- WATER
- CLAMPS
- COUPLINGS AND FERRULES
- HOSE FINDER
- CHEMICAL RESISTANCE TABLE

Color	Hose I.D.		Hose O.D.		Max. W.P.		Vac.	MBR	Wt. Per ft	Length	Std. Pack	Pkg Code	Gates Item No.
	(in)	(mm)	(in)	(mm)	(psi)	(Bar)	(In. Hg)	(in)	(Lbs.)	(ft)			
White	1	25.4	1.48	37.6	250	17.2	30.0	3.0	.52	100	PLT	T	3132-0180
White	1 1/2	38.1	2.07	52.6	250	17.2	30.0	4.5	.97	100	PLT	T	3132-0181
White	2	50.8	2.62	66.5	250	17.2	30.0	6.0	1.32	100	PLT	T	3132-0182
White	2 1/2	63.5	3.25	82.6	250	17.2	30.0	12.0	1.60	100	PLT	T	3132-0186
White	3	76.2	3.86	98.0	250	17.2	30.0	18.0	2.20	100	PLT	T	3132-0183
White	4	101.6	4.88	124.0	250	17.2	30.0	36.0	2.75	100	PLT	T	3132-0184

RECOMMENDED FOR: Transfer of milk, juice, beer, soft drinks, pharmaceuticals, cosmetics or water-based products requiring a FDA sanitary hose.

TEMPERATURE: -40°F to +230°F (-40°C to +110°C) continuous service.

CONSTRUCTION:
Tube: Type S (Sanitron™), White.
Reinforcement: Multiple plies, synthetic textile, monofilament helix.
Cover: Type P (EPDM), White with burgundy stripe.
Design

: 1 or stainless steel, 8 or stainless steel, 34, 71. Reference the Hose Coupling Section.

STANDARDS: Meets FDA requirements, 3A-Class 3 and USDA.



Food Master™ Beverage 150SD CR MegaTuff™



- AGRICULTURE
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- MINING
- OILFIELD
- PETROLEUM
- PRESSURE WASH AND WASHDOWN
- STEAM
- WATER
- CLAMPS
- COUPLINGS AND FERRULES
- HOSE FINDER
- CHEMICAL RESISTANCE TABLE

Color	Hose I.D.		Hose O.D.		Max. W.P.		Vac.	MBR	Wt. Per ft	Length	Std. Pack	Pkg Code	Gates Item No.
	(in)	(mm)	(in)	(mm)	(psi)	(Bar)	(In. Hg)	(in)	(Lbs.)	(ft)			
Gray	1	25.4	1.60	40.6	150	10.3	30.0	6.0	.49	100	PLT	T	3132-5034
Gray	1 1/2	38.1	2.00	50.8	150	10.3	30.0	6.0	.68	100	PLT	T	3132-5028
Gray	2	50.8	2.50	63.5	150	10.3	30.0	12.0	.86	100	PLT	T	3132-5029
Gray	2 1/2	63.5	3.11	79.0	150	10.3	30.0	22.0	1.59	100	PLT	T	3132-5035
Gray	3	76.2	3.75	95.3	150	10.3	30.0	28.0	.50	100	PLT	T	3132-5030

RECOMMENDED FOR: Transfer of beer, milk, juice, soft drinks, pharmaceuticals, cosmetics, or water-based products requiring an FDA sanitary hose where exterior abrasion resistance is critical. The UHMWPE cover provides less drag resistance and easy gliding on concrete surfaces, such as breweries, wineries, and dairy facilities.

TEMPERATURE: -40°F to +212°F (-40°C to +100°C).

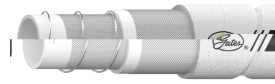
CONSTRUCTION:
Tube: Type S (Sanitron™), White.
Reinforcement: Multiple plies, synthetic textile, monofilament helix.
Cover: Type P (EPDM), Gray with Type L (UHMWPE) wrap for abrasion resistance.
Design Factor: 4:1

COUPLINGS: 1 or stainless steel, 8 or stainless steel, 34, 71, Reference the Hose Coupling Section.

STANDARDS: Meets FDA requirements, 3A-Class 3 and USDA.



Formerly - Food Master™ Lite™



Corrugated

Color	Hose I.D.	Hose O.D.	I.D.	Max. W.P.	Vac.	MBR	Wt. Per ft	Length		
	(in)								(in)	(mm)
Blue	1 1/2	38.1	2.05	52.1	150	10.3	30.0	4.5	1.10	100
Blue	2	50.8	2.55	64.8	150	10.3	30.0	6.0	1.45	100
Blue	2 1/2	63.5	3.08	78.2	150	10.3	30.0	12.0	1.92	100
Blue	3	76.2	3.58	90.9	150	10.3	30.0	18.0	2.33	100
Gray	1 1/2	38.1	2.05	52.1	150	10.3	30.0	4.5	1.14	100
Gray	2	50.8	2.55	64.8	150	10.3	30.0	6.0	1.49	100
Gray	2 1/2	63.5	3.08	78.2	150	10.3	30.0	12.0	1.95	100
Gray	3	76.2	3.58	90.9	150	10.3	30.0	18.0	2.33	100
Gray	3	76.2	3.58	90.9	150	10.3	30.0	18.0	2.32	200
Gray	4	101.6	4.60	116.8	150	10.3	30.0	24.0	3.13	100
White	3/4	19.1	1.29	32.8	150	10.3	30.0	2.0	.65	100
White	3/4	19.1	1.29	32.8	150	10.3	30.0	2.0	.64	200
White	1	25.4	1.54	39.1	150	10.3	30.0	3.0	.79	100
White	1 1/2	38.1	2.05	52.1	150	10.3	30.0	4.5	1.15	100
White	2	50.8	2.55	64.8	150	10.3	30.0	6.0	1.50	100
White	2 1/2	63.5	3.08	78.2	150	10.3	30.0	12.0	1.98	100
White	3	76.2	3.58	90.9	150	10.3	30.0	18.0	2.35	100
White	4	101.6	4.60	116.8	150	10.3	30.0	24.0	3.12	100
White	4	101.6	4.60	116.8	150	10.3	30.0	24.0	3.13	200
White	6	152.4	6.69	169.9	150	10.3	30.0	36.0	5.59	50

Smooth Cover

Color	Hose I.D.	Hose O.D.	I.D.	Max. W.P.	Vac.	MBR	Wt. Per ft	Length		
	(in)								(mm)	(in)
Blue	1 1/2	38.1	2.05	52.1	150	10.3	30.0	4.5	1.10	100
Blue	2	50.8	2.55	64.8	150	10.3	30.0	6.0	1.46	100
Blue	2 1/2	63.5	3.08	78.2	150	10.3	30.0	12.0	1.92	100
Gray	1	25.4	1.54	39.1	150	10.3	30.0	3.0	.79	100
Gray	1 1/2	38.1	2.05	52.1	150	10.3	30.0	4.5	1.13	100
Gray	2	50.8	2.55	64.8	150	10.3	30.0	6.0	1.49	100
Gray	2 1/2	63.5	3.08	78.2	150	10.3	30.0	12.0	1.95	100
Gray	3	76.2	3.58	90.9	150	10.3	30.0	18.0	2.33	100
Gray	4	101.6	4.60	116.8	150	10.3	30.0	24.0	3.13	100
Gray	6	152.4	6.69	169.9	150	10.3	30.0	36.0	5.60	50
Red	1	25.4	1.54	39.1	150	10.3	30.0	3.0	.79	100
Red	1 1/2	38.1	2.05	52.1	150	10.3	30.0	4.5	1.10	100
Red	2	50.8	2.55	64.8	150	10.3	30.0	6.0	1.46	100
Red	3	76.2	3.58	90.9	150	10.3	30.0	18.0	2.29	100
Red	4	101.6	4.60	116.8	150	10.3	30.0	24.0	3.05	100
Red	6	152.4	6.69	169.9	150	10.3	30.0	36.0	5.60	50

RECOMMENDED FOR: Tank truck, barge, ship, or storage tank transfer of a variety of food products such as edible oils at temperatures up to +230°F requiring FDA sanitary hose. Also suitable for other food products requiring 3A-Class 3 standards.

TEMPERATURE: -40°F to +230°F (-40°C to +110°C) continuous service.

AGRICULTURE

AIR BREATHING

AIR DUCT

AIR AND MULTI-PURPOSE

CHEMICAL

FOOD AND BEVERAGE

ENGINE AND MARINE

MATERIAL HANDLING

MINING

OILFIELD

PETROLEUM

PRESSURE WASH AND WASHDOWN

STEAM

WATER

CLAMPS

COUPLINGS AND FERRULES

HOSE FINDER

CHEMICAL RESISTANCE



Food Master™ Oils and Dairy 150D
Formerly - Sani-Pure™



- AGRICULTURE
- AIR BREATHING
- AIR DUCT
- AIR AND MULTI-PURPOSE
- CHEMICAL
- FOOD AND BEVERAGE**
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- MINING
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- PRESSURE WASH AND WASHDOWN
- STEAM
- WATER
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- COUPLINGS AND FERRULES
- HOSE FINDER
- CHEMICAL RESISTANCE TABLE

Color	Hose I.D.		Hose O.D.		Max. W.P.		Vac.	MBR	Wt. Per ft	Length	Std. Pack	Pkg Code	Gates Item No.
	(in)	(mm)	(in)	(mm)	(psi)	(Bar)	(In. Hg)	(in)	(Lbs.)	(ft)			
White	1 1/2	38.1	2.04	51.8	150	10.3	—	18.0	.97	100	PLT	T	3131-0001
White	2	50.8	2.54	64.5	150	10.3	—	24.0	1.25	100	PLT	T	3131-0002
White	2 1/2	63.5	3.06	77.7	150	10.3	—	30.0	1.66	100	PLT	T	3131-0003
White	3	76.2	3.56	90.4	150	10.3	—	36.0	1.90	100	PLT	T	3131-0004
White	4	101.6	4.60	116.8	150	10.3	—	48.0	2.78	100	PLT	T	3131-0005
White	6	152.4	6.60	167.6	150	10.3	—	72.0	4.10	50	PLT	T	3131-0006

RECOMMENDED FOR: Tank truck, barge, ship, or storage tank transfer (discharge only) of a variety of food products such as animal fat, vegetable oil and other edible oils at temperatures up to +230°F requiring FDA sanitary hose. Also suitable for ice cream and other dairy products requiring 3A–Class 3 standards.

TEMPERATURE: –40°F to +230°F (–40°C to +110°C) continuous service.

CONSTRUCTION: **Tube:** Type C2 (Modified Nitrile), Sanitary FDA and 3A–Class 3, White.
Reinforcement: Multiple plies, synthetic textile, dual steel wire helix.
Cover: Type C2 (Modified Nitrile), White with burgundy stripe.
Design Factor: 4:1

COUPLINGS: 1 or stainless steel, 8 or stainless steel, 34, 71. Reference the Hose Coupling Section.

STANDARDS: Tube meets FDA requirements, 3A–Class 3 and USDA. Phthalate free.



Food Master™ Oils and Dairy 150SD MegaFlex™



Color	Hose I.D.		Hose O.D.		Max. W.P.		Vac.	MBR	Wt. Per ft	Length	Std. Pack	Pkg Code	Gates Item No.
	(in)	(mm)	(in)	(mm)	(psi)	(Bar)							
White	1	25.4	1.47	37.3	150	10.3	30.0	2.0	.58	100	PLT	T	3133-0100
White	1 1/2	38.1	1.99	50.5	150	10.3	30.0	3.0	.87	100	PLT	T	3133-0101
White	2	50.8	2.49	63.2	150	10.3	30.0	4.0	1.14	100	PLT	T	3133-0102
White	3	76.2	3.56	90.4	150	10.3	30.0	9.0	1.92	100	PLT	T	3133-0103
White	4	101.6	4.73	120.1	150	10.3	30.0	12.0	3.07	100	PLT	T	3133-0104

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products requiring 3A–Class 3 standards.

le for ice cream and other dairy

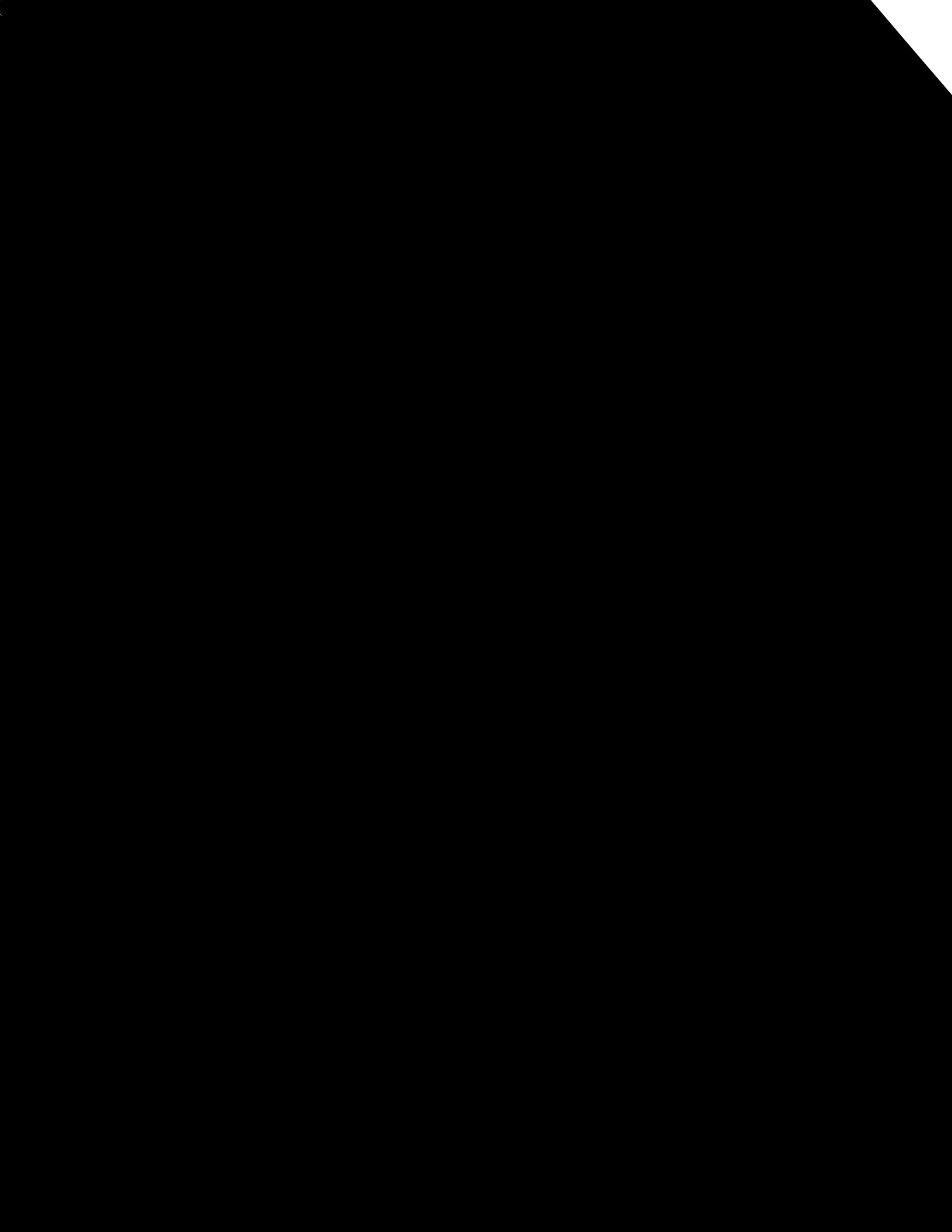
TEMPERATURE: –40°F to +230°F (–40°C to +110°C) continuous service.

CONSTRUCTION: **Tube:** Type C2 (Modified Nitrile), Sanitary FDA and 3A–Class 3. Phthalate free. White.
Reinforcement: Multiple plies, synthetic textile, dual steel wire helix.
Cover: Type C2 (Modified Nitrile), Sanitary FDA and 3A–Class 3. Phthalate free. White with burgundy stripe.
Design Factor: 4:1

COUPLINGS: 1 or stainless steel, 8 or stainless steel, 34, 71. Reference the Hose Coupling Section.

STANDARDS: Meets FDA requirements, 3A–Class 3.

AGRICULTURE
AIR BREATHING
AIR DUCT
AIR AND MULTI-PURPOSE
CHEMICAL
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PRESSURE WASH AND WASHDOWN
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WATER
CLAMPS
COUPLINGS AND FERRULES
HOSE FINDER
CHEMICAL RESISTANCE TABLE





Type D2 (Natural Rubber), Sanitary FDA, White, 3/16" thick,

Type C4 (Carboxylated Nitrile), Yellow with burgundy stripe,
Type D3 (Natural Rubber), Gray with burgundy stripe,

5, 7, 49 71.

AGRICULTURE

AIR BREATHING

AIR DUCT

AIR AND MULTI-PURPOSE

CHEMICAL

FOOD AND BEVERAGE

ENGINE AND MARINE

MATERIAL HANDLING

MINING

OILFIELD

PETROLEUM

PRESSURE WASH AND WASHDOWN



Food Master™ PVC (20-65) Clear Tubing



- AGRICULTURE
- AIR BREATHING
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- CHEMICAL
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- HOSE FINDER
- CHEMICAL RESISTANCE TABLE

Color	Hose I.D.		Hose O.D.		Max. W.P.*		Vac.*	MBR	Wt. Per ft	Length	Std. Pack	Pkg Code	Gates Item No.
	(in)	(mm)	(in)	(mm)	(psi)	(Bar)	(In. Hg)	(in)	(Lbs.)	(ft)			
Clear	1/8	3.2	.20	4.8	65	4.5	—	—	.02	100	CTN	T	7744-1512
Clear	3/16	4.8	.25	6.4	50	3.4	—	—	.03	100	CTN	T	7744-1513
Clear	3/16	4.8	.38	9.7	60	4.1	—	—	.04	100	CTN	T	7744-1514
Clear	1/4	6.4	.38	9.7	55	3.8	—	—	.03	100	CTN	T	7744-1515
Clear	1/4	6.4	.50	12.7	60	4.1	—	—	.08	100	CTN	T	7744-1516
Clear	5/16	7.9	.44	11.2	50	3.4	—	—	.04	100	CTN	T	7744-1517
Clear	5/16	7.9	.56	14.2	60	4.1	—	—	.10	100	CTN	T	7744-1518
Clear	3/8	9.5	.50	12.7	45	3.1	—	—	.06	100	CTN	T	7744-1519
Clear	3/8	9.5	.63	16.0	55	3.8	—	—	.12	100	CTN	T	7744-1520
Clear	1/2	12.7	.63	16.0	30	2.1	—	—	.07	100	CTN	T	7744-1521
Clear	1/2	12.7	.75	19.1	45	3.1	—	—	.13	100	CTN	T	7744-1522
Clear	5/8	15.9	.75	19.1	25	1.7	—	—	.08	100	CTN	T	7744-1523
Clear	5/8	15.9	.88	22.4	40	2.8	—	—	.16	100	CTN	T	7744-1524
Clear	3/4	19.1	1.00	25.4	35	2.4	—	—	.19	100	CTN	T	7744-1525
Clear	3/4	19.1	1.25	31.8	45	3.1	—	—	.43	100	CTN	T	7744-1526
Clear	1	25.4	1.25	31.8	25	1.7	—	—	.21	100	CTN	T	7744-1527
Clear	1	25.4	1.50	38.1	35	2.4	—	—	.54	100	CTN	T	7744-1528
Clear	1 1/4	31.8	1.50	38.1	20	1.4	—	—	.28	50	PLT	T	7744-1529
Clear	1 1/4	31.8	1.75	44.5	40	2.8	—	—	.67	50	PLT	T	7744-1530
Clear	1 1/2	38.1	2.00	50.8	35	2.4	—	—	.85	50	PLT	T	7744-1531
Clear	2	50.8	2.50	63.5	35	2.4	—	—	.85	50	PLT	T	7744-1532

NOTE: * Working Pressure and Vacuum at +72°F (+22°C).

RECOMMENDED FOR: This hose has good oil-resistance, excellent resistance to acids, alkalis, and many solvents except esters, ketones and aromatic hydrocarbons. Formulated to meet applicable FDA criteria.

TEMPERATURE: -25°F to +150°F (-31°C to +65°C) continuous service.

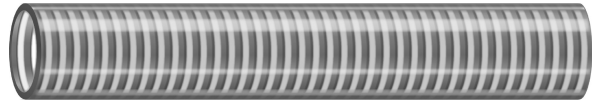
CONSTRUCTION: **Tube:** Type G (PVC), Non-toxic, Clear, Phthalate-Free.
Reinforcement: None.
Cover: Type G (PVC), Non-toxic, Clear, Smooth.

COUPLINGS: 19 or stainless steel. Reference the Hose Coupling Section.

STANDARDS: Meets applicable FDA.

Food Master™ PVC (#0-100) SD Clear

Formerly - Master-Flex™ 200 CL



Color	Hose I.D.		Hose O.D.		Max. W.P.*		Vac.*	MBR	Wt. Per ft	Length	Std. Pack	Pkg Code	Gates Item No.
	(in)	(mm)	(in)	(mm)	(psi)	(Bar)	(In. Hg)	(in)	(Lbs.)	(ft)			
Clear	1	25.4	1.19	32.8	100	6.9	28.0	3.0	.30	100	PLT	T	7744-4101
Clear	1 1/4	31.8	1.36	39.6	90	6.2	28.0	4.0	.38	100	PLT	T	7744-4102
Clear	1 1/2	38.1	1.44	46.7	90	6.2	28.0	5.0	.48	100	PLT	T	7744-4103
Clear	2	50.8	2.19	60.7	70	4.8	28.0	6.0	.71	100	PLT	T	7744-4104
Clear	2 1/2	63.5	2.42	74.2	65	4.5	28.0	8.0	.97	100	PLT	T	7744-4105
Clear	3	76.2	3.16	87.9	60	4.1	28.0	9.0	1.27	100	PLT	T	7744-4106
Clear	4	101.6	4.16	115.8	50	3.4	28.0	12.0	2.00	100	PLT	T	7744-4107

NOTE: * Working Pressure and Vacuum at +72°F (+22°C).

RECOMMENDED FOR: Transfer of bulk food products via suction, pneumatic or gravity systems where sanitary hose is required.

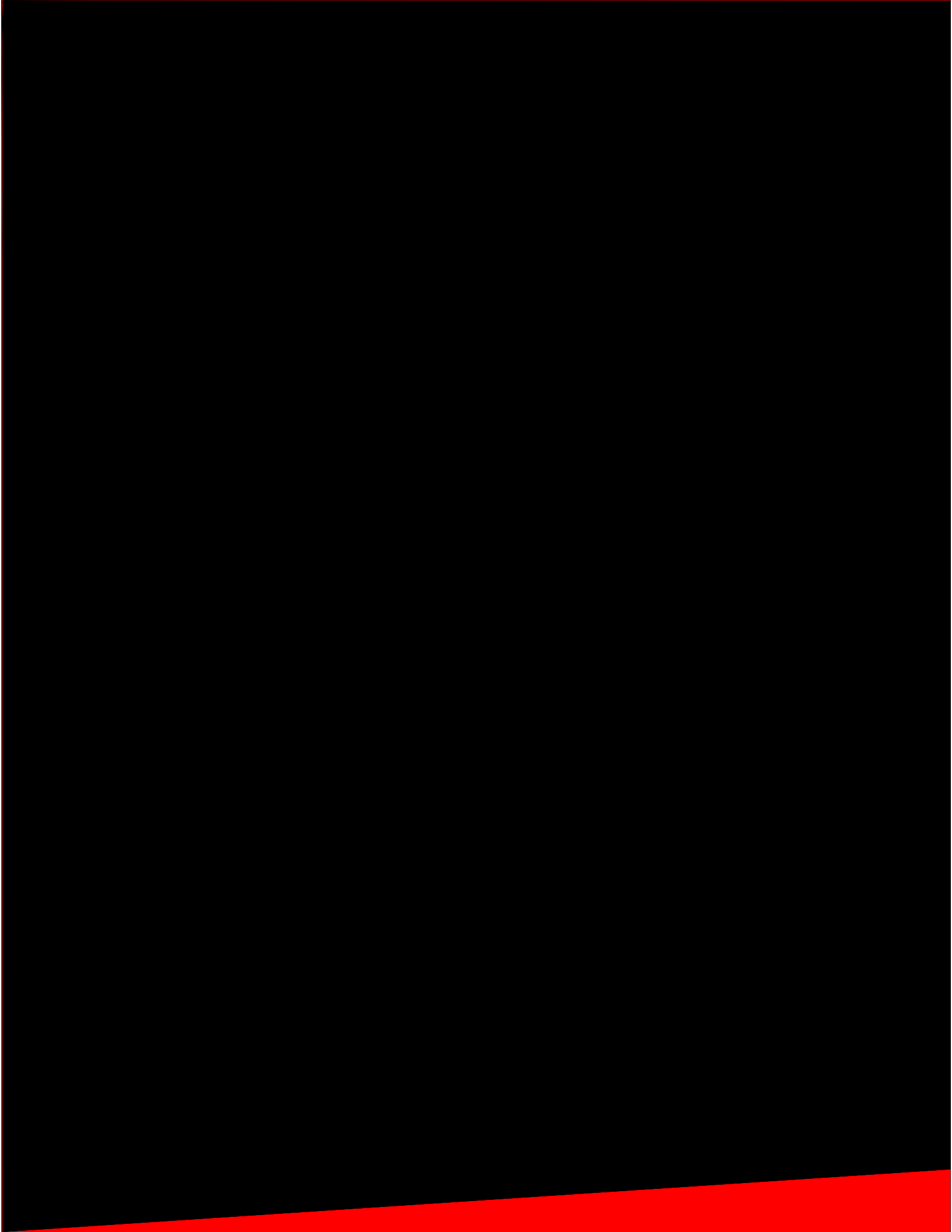
TEMPERATURE: -10°F to +130°F (-23°C to +55°C) continuous service.

CONSTRUCTION: **Tube:** Type G (PVC), Sanitary FDA, Clear, Smooth.

Reinforcement: Rigid thermoplastic helix.

Cover: Type G (PVC), Sanitary FDA, Clear, Smooth.

Dist:



Color	
