Resistance

Temp
Min/Max

Chem Master™ XTtreme™ FEP SD

Chem Master Plus CPE SD MegaFlex™

Chem Master Plus XLPE SD

Chem Master Plus UHMWPE

Chem Master™ XTreme™ FEP (125-200) SD

Formerly - Stallion™

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)			
Blue	3/4	19.1	1.29	32.8	200	13.8	30.0	4.0	.52	20	PLT	T	4698-0021
Blue	3/4	19.1	1.29	32.8	200	13.8	30.0	4.0	.52	100	PLT	T	4698-0011
Blue	1	25.4	1.56	39.6	200	13.8	30.0	5.0	.63	20	PLT	T	4698-0022
Blue	1	25.4	1.56	39.6	200	13.8	30.0	5.0	.63	100	PLT	T	4698-0012
Blue	1	25.4	1.56	39.6	200	13.8	30.0	5.0	.63	200	PLT	T	4698-0029
Blue	1 1/4	31.8	1.80	45.7	200	13.8	30.0	7.0	.74	100	PLT	T	4698-0104
Blue	1 1/2	38.1	2.05	52.1	200	13.8	30.0	8.0	.93	20	PLT	T	4698-0023
Blue	1 1/2	38.1	2.05	52.1	200	13.8	30.0	8.0	.93	100	PLT	T	4698-0013
Blue	1 1/2	38.1	2.05	52.1	200	13.8	30.0	8.0	.93	200	PLT	T	4698-0031
Blue	2	50.8	2.55	64.8	200	13.8	30.0	9.0	1.14	20	PLT	T	4698-0024
Blue	2	50.8	2.55	64.8	200	13.8	30.0	9.0	1.14	100	PLT	T	4698-0014
Blue													

C

Forme

Color	Hose I.D. (in)	Hose I.D. (mm)				
Blue	1	25.4	1.58	40.1		
Blue	1	25.4	1.58	40.1	20	
Blue	1 1/2	38.1	2.08	52.8	200	
Blue	1 1/2	38.1	2.08	52.8	200	
Blue	2	50.8	2.58	65.5	200	13.
Blue	2	50.8	2.58	65.5	200	13.8

RECOMMENDED FOR: Tank truck, barge, ship, or storage tank tran
monofilament helix for suction and crush resist
excellent chemical resistance and is backed by G
XTreme FEP CR is designed for easy cleaning in a
(CIP) methods may be used. Applications include most
chemicals used in a variety of industries. Reference Gate
Compatible with commercially available Bio–Diesel fuels up

CAUTION: Chem Master XTreme FEP CR is designed to withstand fluid ten
dependent on the specific chemical conveyed. Contact Denver Prod

TURE: –40°F to +300°F (–40°C to +149°C) normal service.

CONSTRUCTION: **Tube:** Type T (FEP) Fluoroeth y

Chem Master™ Plus XLPE (150-200) SD Colors

rmerly - Mustang™

Color	Hose I.D. (in)	Hose I.D. (mm)	Hose O.D. (in)	Hose O.D. (mm)	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.
Blue	1	25.4	1.50	38.1	200	13.8	30.0	5.0	.54	100	PLT	T	4695-0[illegible]
Blue	2	50.8	2.54	64.5	200	13.8	30.0	9.0	1.10	100	PLT	T	4695-0930
Blue	2	50.8	2.54	64.5	200	13.8	30.0	9.0	1.35	200	PLT	T	4695-0285
Blue	3	76.2	3.58	90.9	150	10.3	30.0	18.0	1.80	100	PLT	T	4695-0931
Blue	3	76.2	3.58	90.9	150	10.3	30.0	18.0	2.13	200	PLT	T	4695-0288
Gray	3	76.2	3.58	90.9	150	10.3	30.0	18.0	1.76	100	PLT	T	4695-0633
Green	1	25.4	1.50	38.1	200	13.8	30.0	5.0	.56	100	PLT	T	4695-0628
Green	1 1/4	31.8	1.75	44.5	200	13.8	30.0	6.0	.67	100	PLT	T	4695-0949
Green	1 1/2	38.1	2.04	51.8	200	13.8	30.0	8.0	.87	100	PLT	T	4695-0211
Green	2	50.8	2.54	64.5	200	13.8	30.0	9.0	1.08	100	PLT	T	4695-0216
Green	2	50.8	2.54	64.5	200	13.8	30.0	9.0	1.08	200	PLT	T	4695-0700
Green	2 1/2	63.5	3.05	77.5	150	10.3	30.0	12.0	1.28	100	PLT	T	4695-0774
Green	2 1/2	63.5	3.05	77.5	150	10.3	30.0	12.0	1.42	200	PLT	T	4695-0830
Green	3	76.2	3.58	90.9	150	10.3	30.0	18.0	1.81	100	PLT	T	4695-0229
Green	3	76.2	3.58	90.9	150	10.3	30.0	18.0	1.81	200	PLT	T	4695-0701
Green	4	101.6	4.69	119.1	150	10.3	30.0	24.0	2.78	100	PLT	T	4695-0970
Red	1	25.4	1.50	38.1	200	13.8	30.0	5.0	.56	100	PLT	T	4695-0684
Red	1 1/2	38.1	2.04	51.8	200	13.8	30.0	8.0	.87	200	PLT	T	4695-0832
Red	2	50.8	2.54	64.5	200	13.8	30.0	9.0	1.03	100	PLT	T	4695-0490
Red	3	76.2	3.58	90.9	150	10.3	30.0	18.0	1.81	100	PLT	T	4695-0707
Yellow	3/4	19.1	1.25	31.8	200	13.8	30.0	4.0	.46	100	PLT	T	4695-0686
Yellow	1	25.4	1.50	38.1	200	13.8	30.0	5.0	.61	100	PLT	T	4695-0051
Yellow	1 1/2	38.1	2.04	51.8	200	13.8	30.0	8.0	.87	200	PLT	T	4695-0780
Yellow	2	50.8	2.54	64.5	200	13.8	30.0	9.0	1.07	100	PLT	T	4695-0629
Yellow	3	76.2	3.58	90.9	150	10.3	30.0	18.0	1.73	100	PLT	T	4695-0052

Smooth Cover

Color	Hose I.D. (in)	Hose I.D. (mm)	Hose O.D. (in)	Hose O.D. (mm)	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.
Green	2	50.8	2.54	64.5	200	13.8	30.0	9.0	1.07	100	PLT	T	4695-0267
Green	3	76.2	3.58	90.9	150	10.3	30.0	18.0	1.75	100	PLT	T	4695-0268

RECOMMENDED FOR: Tank truck, barge, ship, or storage tank transfer of a variety of chemical products. Chem Master Plus XLPE contains a wire helix for full suction capability, as well as for routing hoses through tight bends. Its Modified Cross–linked Polyethylene tube stock is 'best in class' for maintaining a tight seal with stainless steel fittings, and is designed for cleaning with 'open–end' 50 PSI steam or in a bath containing 10% (NaOH) @ +212°F (+100°C). Cleaning in place (CIP) methods may be used. Applications include over 950 basic chemicals that are building blocks for numerous chemicals used in a variety of industries. Reference Gates Chemical Resistance Table for proper hose selection.

CAUTION: For applications requirin

he specific chemical conveyed. Contact Denver Product Application (303) 744–5070 for any chemical above +125°F (+52°C). Not recommended for 'closed steam' cleaning.

TEMPERATURE: –40°F to +250°F (–40°C to +121°C) normal service.

CONSTRUCTION:

Tube: Type K (Gatron™ Modified Cross–linked Polyethylene.) Tan. High chemical resistance.

Reinforcement: Multiple plies, synthetic textile, dual steel wire helix.

Cover: Type P (EPDM). Corrugated and smooth with orange stripe.

Design

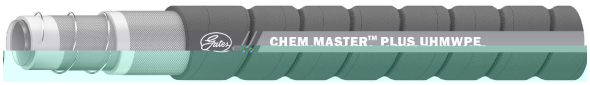
#ARCHITECTURE

#MARKETING

#ABOUT

Chem Master™ Plus UHMWPE (150-200) SD

Formerly - Renegade™



Color	Hose I.D. (in)	Hose I.D. (mm)	Hose O.D. (in)	Hose O.D. (mm)	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.
Black	1	25.4	1.47	37.3	200	13.8	30.0	5.0	1.05	100	PLT	T	4697-0001
Black	1 1/4	31.8	1.72	43.7	200	13.8	30.0	6.0	.67	100	PLT	T	4697-0002
Black	1 1/2	38.1	2.00	50.8	200	13.8	30.0	8.0	.86	100	PLT	T	4697-0003
Black	2	50.8	2.50	63.5	200	13.8	30.0	9.0	1.08	100	PLT	T	4697-0004
Black	2 1/2	63.5	3.01	76.5	150	10.3	30.0	12 0	1 38	100	PLT	T	4697-0005
Black	3	76.2	3.53	89.7	150	10.3	30.0	18.0	1.74	100	PLT	T	4697-0006
Black	4	101.6	4.53	115.1	150	10.3	30.0	24.0	2.51	100	PLT	T	4697-0007
Blue	1	25.4	1.47	37.3	200	13.8	30.0	5.0	.51	100	PLT	T	4697-0114
Blue	1 1/4	31.8	1.72	43.7	200	13.8	30.0	6.0	.60	100	PLT	T	4697-0115
Blue	1 1/2	38.1	2.00	50.8	200	13.8	30.0	8.0	.78	100	PLT	T	4697-0097
Blue	2	50.8	2.50	63.5	200	13.8	30.0	9.0	.99	100	PLT	T	4697-0116
Blue	2	50.8	2.50	63.5	200	13.8	30.0	9.0	.99	200	PLT	T	4697-0149
Green	3/4	19.1	1.22	31.0	200	13.8	30.0	4.0	.41	100	PLT	T	4697-0014
Green	1	25.4	1.47	37.3	200	13.8	30.0	5.0	.51	100	PLT	T	4697-0015
Green	1	25.4	1.47	37.3	200	13.8	30.0	5.0	.51	200	PLT	T	4697-0057
Green	1 1/4	31.8	1.72	43.7	200	13.8	30.0	6.0	.60	100	PLT	T	4697-0016
Green	1 1/2	38.1	2.00	50.8	200	13.8	30.0	8.0	.78	100	PLT	T	4697-0017
Green	1 1/2	38.1	2.00	50.8	200	13.8	30.0	8.0	.78	200	PLT	T	4697-0058
Green	2	50.8	2.50	63.5	200	13.8	30.0	9.0	1.08	100	PLT	T	4697-0018
Green	2	50.8	2.50	63.5	200	13.8	30.0	9.0	1.08	200	PLT	T	4697-0059
Green	2 1/2	63.5	3.01	76.5	150	10.3	30.0	12.0	1.39	100	PLT	T	4697-0019
Green	3	76.2	3.53	89.7	150	10.3	30.0	18.0	1.76	100	PLT	T	4697-0020
Green	3	76.2	3.53	89.7	150	10.3	30.0	18.0	1.76	200	PLT	T	4697-0022
Green	4	101.6	4.53	115.1	150	10.3	30.0	24.0	2.49	100	PLT	T	4697-0021
Red	1	25.4	1.47	37.3	200	13.8	30.0	5.0	.57	100	PLT	T	4697-0117
Red	1 1/4	31.8	1.72	43.7	200	13.8	30.0	6.0	.68	100	PLT	T	4697-0118
Red	2	50.8	2.50	63.5	200	13.8	30.0	9.0	1.09	100	PLT	T	4697-0119
White	1	25.4	1.47	37.3	200	13.8	30.0	5.0	.51	100	PLT	T	4697-0123
White	1 1/4	31.8	1.72	43.7	200	13.8	30.0	6.0	.60	100	PLT	T	4697-0124
White	2	50.8	2.50	63.5	200	13.8	30.0	9.0	.99	100	PLT	T	4697-0125
Yellow	1	25.4	1.47	37.3	200	13.8	30.0	5.0	.51	100	PLT	T	4697-0126
Yellow	1 1/4	31.8	1	43.7	2								

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

Chem Master™ Plus UHMWPE 200SD CR

Color	Hose I.D. (in)	Hose I.D. (mm)	Hose O.D. (in)	Hose O.D. (mm)	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.
Black	1	25.4	1.59	40.4	200	13.8	30.0	5.0	.60	100	PLT	T	4697-0030
Black	1 1/4	31.8	1.84	46.7	200	13.8	30.0	6.0	.71	100	PLT	T	4697-0031
Black	1 1/2	38.1	2.09	53.1	200	13.8	30.0	8.0	.82	100	PLT	T	4697-0032
Black	2	50.8	2.59	65.8	200	13.8	30.0	9.0	1.03	100	PLT	T	4697-0033
Green	2	50.8	2.59	65.8	200	13.8	30.0	9.0	1.02	100	PLT	T	4[illegible]

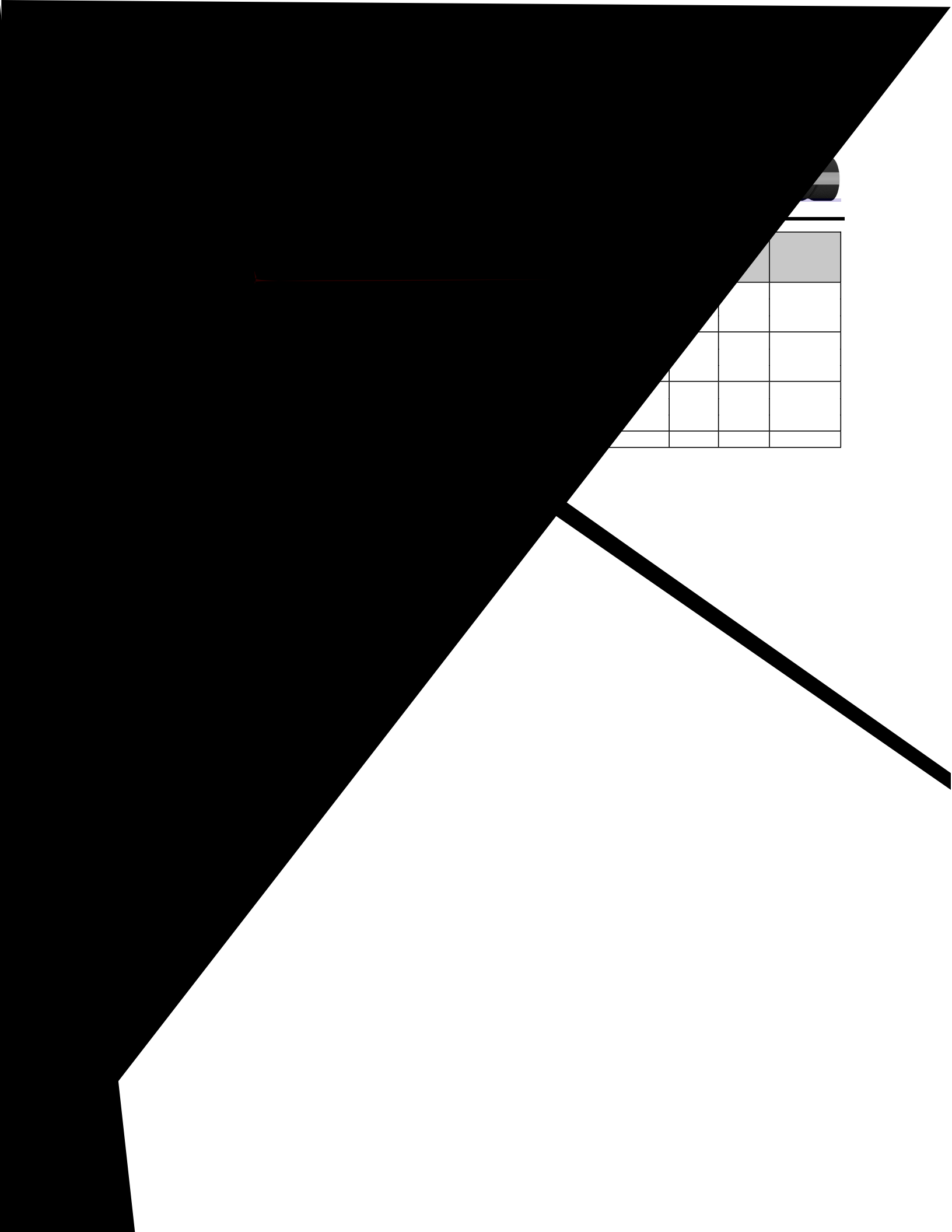
ht bends. The Ultra High Molecular Weight Polyethylene tube stock has excellent chemical resistance and is backed by Gates Gatron™ for flex fatigue safety at the coupling. Chem Master Plus UHMWPE is designed for easy cleaning in a bath containing 10% (NaOH) @ +212°F (+100°C). Cleaning in place (CIP) methods may be used. Applications include over 450 basic chemicals which are building blocks for numerous chemicals used in a variety of industries. Reference Gates Chemical Resistance Table for proper hose selection.

CAUTION: For applications requiring greater than 90% sulfuric acid contact Denver Product Application (303) 744–5070. Chem Master Plus UHMWPE 200SD CR is designed to withstand fluid temperatures to +250°F (+121°C); however the rating is dependent on the specific chemical conveyed. Contact Denver Product Application (303) 744–5070 for any chemical above +125°F (+52°C). Not recommended for 'closed steam' cleaning.

TEMPERATURE: –40°F to +212°F (–40°C to +100°C) normal service.

CONSTRUCTION:
Tube: Type L (Ultra High Molecular Weight Polyethylene). Clear, backed with Gatron™ Modified XLPE.
Reinforcement: Multiple plies, synthetic textile with monofilament helix and static wire.
Cover: Type P (EPDM). Corrugated with orange stripe.
Design Factor: 4:1

COUPLINGS: Use 7, 8 or 49 for fluid temperatures to +125°F (+52°C). Use permanent fittings only 71 or 73 for fluid temperatures above +125°F (+52°C) and up to +212°F (+100°C). Reference the Hose Coupling Section.



Chem Master™ Paint Spray (500-750)

Formerly - 77B

Color	Hose I.D. (in)	Hose I.D. (mm)	Hose O.D. (in)	Hose O.D. (mm)	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.
Black	1/4	6.4	.52	13.2	500	34.5	30.0	3.0	.09	700	REEL	EE	3207-0290
Black	5/16	7.9	.59	15.0	500	34.5	30.0	3.0	.11	700	REEL	EE	3207-0291
Black	3/8	9.5	.67	17.0	500	34.5	30.0	3.0	.14	700	REEL	EE	3207-0292
Black	1/2	12.7	.87	22.1	750	51.7	25.0	5.0	.23	700	REEL	EE	3207-0294
Black	3/4	19.1	1.16	29.5	750	51.7	25.0	6.0	.35	350	REEL	KK	3207-0296

RECOMMENDED FOR: Paint spray applications, as well as transfer of petroleum–based products (aliphatic, aromatic and chlorinated hydrocarbon such as toluene, xylene, benzene, gasoline). Reference Gates Chemical Resistance Table for proper hose selection. Compatible with Bio–Diesel fuels. For transfer only.

CAUTION: Contact Denver Product Application (303) 744–5070 when conveying chemicals above +120°F (+49°C). Not recommended for acids or use in high pressure paint spray applications requiring a static–conductive hose.

TEMPERATURE: –40°F to +150°F (–40°C to +66°C) continuous service.

CONSTRUCTION:
Tube: Type Z (Special Flexible Nylon). Clear.
Reinforcement: Synthetic textile.
Cover: Type A (Chloroprene).
Design Factor: 4:1

COUPLINGS: 48. For paint service: Binks 3 piece compression ring only. Reference the Hose Coupling Section.

Chem Master™ DEF Transfer (350-500)

Formerly - Diesel Exhaust Fluid

Color	Hose I.D. (in)	Hose I.D. (mm)	Hose O.D. (in)	Hose O.D. (mm)	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.
Black	1/4	6.4	.50	12.7	500	34.5	15.0	3.0	.08	500	REEL	F	4217-0007
Black	1/2	12.7	.80	20.3	350	24.1	15.0	3.0	.25	300	REEL	J	4217-0319
Black	1/2	12.7	.80	20.3	350	24.1	15.0	3.0	.28	1000	REEL	J	4217-0303
Black	3/4	19.1	1.12	28.4	350	24.1	15.0	4.0	.32	550	REEL	GG	4217-0310
Black	1	25.4	1.36	34.5	350	24.1	10.0	6.0	1.00	400	REEL	CC	4217-0311

RECOMMENDED FOR: DEF dispensing tank fill hose. Transfer of urea solutions such as ADBLUE.

TEMPERATURE: –40°F to +212°F (–40°C to +100°C) continuous service.

CONSTRUCTION:
Tube: Type P (EPDM), Black – Peroxide Cured – No Zinc.
Reinforcement: Braided, synthetic textile.
Cover: Type P (EPDM), Black with orange stripe. Wrapped appearance.
Design Factor: 4:1

COUPLINGS: 75 Gates GLX™ or 82 Gates SS. Reference the Hose Coupling Section.

STANDARDS: **Tube:** Zinc and Calcium Carbonate Free.

Chem Master™ Hydrocarbon Drain 300

Color	Hose I.D. (in)	Hose I.D. (mm)	Hose O.D. (in)	Hose O.D. (mm)	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.
Blue	3/4	19.1	1.13	28.7	300	20.7	30.0	6.0	.42	500	REEL	T	3624-0144
Blue	1	25.4	1.38	35.1	300	20.7	30.0	8.0	.57	500	REEL	T	3624-0146

NOTE: 500ft reels contain 10ea 50ft continuous length pieces.

RECOMMENDED FOR: This hose is designed for use in all types of refineries for drainage of hot liquid residue and hydrocarbons produced by the cleaning of storage tanks and containment vessels. The high–temperature tube and cover are rated at 300ºF and resistant to steam vapors, oils and weather. The blue cover provides color identification in refineries and chemical plants. Crimp specs are available for Boss crimp style couplings and Gates MegaCrimp™ couplings.

CAUTION: Not recommended for steam service.

TEMPERATURE: –40°F to +300°F (–40°C to +150°C) continuous service.

CONSTRUCTION:
Tube: Type C (Nitrile). Black.
Reinforcement: Braided, steel wire.
Cover: Type J (CPE). Blue with orange stripe.
Design Factor: 10:1

COUPLINGS: 74 Gates MegaCrimp™ couplings. Boss crimp style couplings. Reference the Hose Coupling Section.

STANDARDS:
Tube: ARPM (Class A) High oil–resistance.
Cover: ARPM (Class B) Medium oil–resistance.