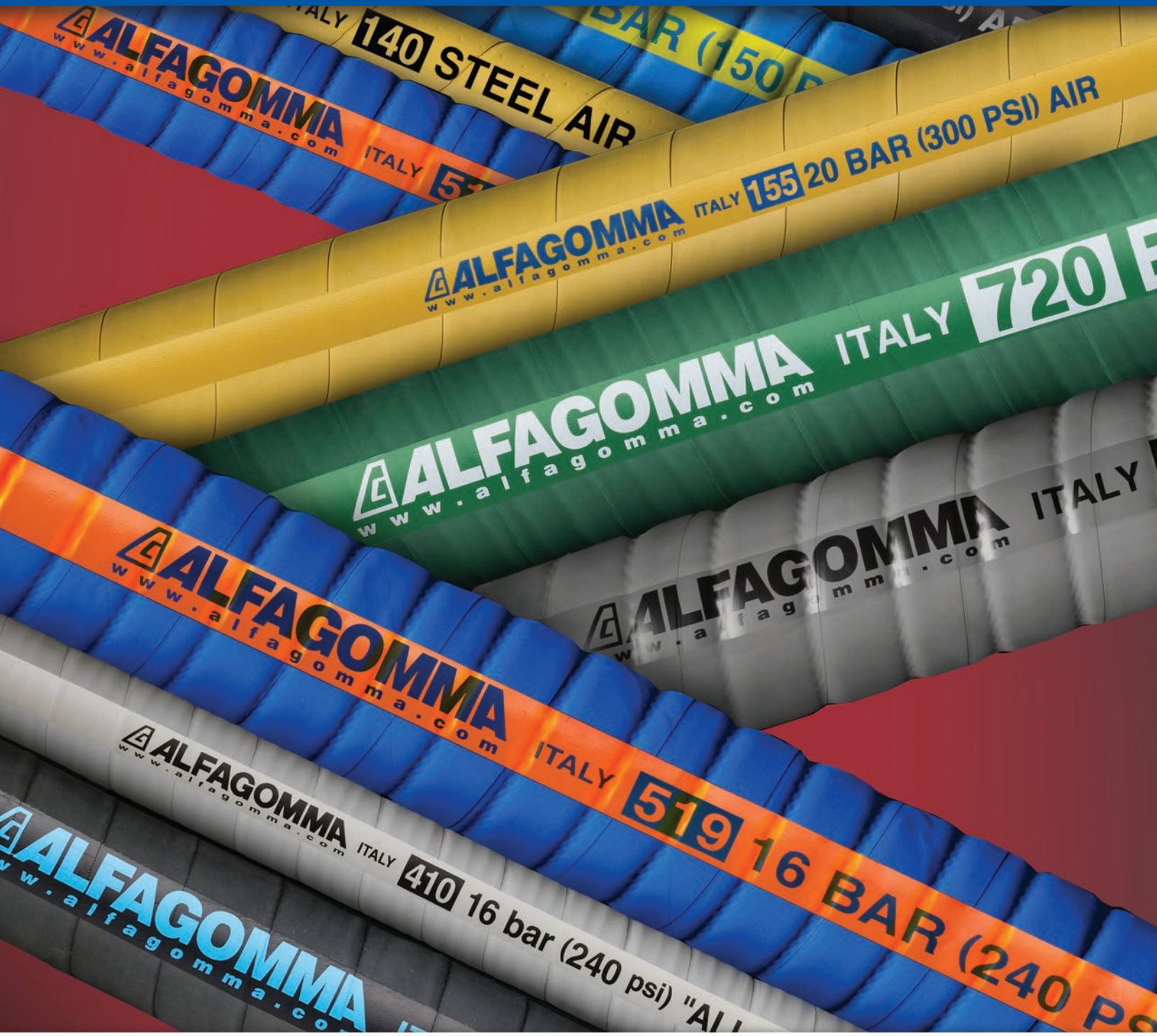
ALFAGOMMA

Industrial Rubber Hoses by Kuriyama



KURIYAMA
OF AMERICA, INC.

Alfagomma
ISO 9001
ISO 14000

NAHAD
THE ASSOCIATION FOR HOSE AND ACCESSORIES DISTRIBUTION

EDITION 0618

Establishing a Legacy

Throughout the world, the name Alfagomma is synonymous with quality, a reputation based on first class hose products, a commitment to research and development and ongoing capital investment. Alfagomma's development and product engineering continues to produce fluid transfer and material handling product innovations that assure excellent performance and cost savings for customers.

Alfagomma rubber hoses are manufactured in their facility located in Teramo, Italy. This factory has earned registration under ISO 9001, a quality assurance model against which a plant's quality systems are audited. The standard represents an international consensus on good management practices, and sets out the requirements for an organization whose business processes range all the way from design and development to production. This commitment to quality is the primary reason behind Alfagomma's 60-years of success.

Alfagomma headquarters – Vimercate, Italy

Alfagomma Rubber Industrial Hose Manufacturing facility – Teramo, Italy

Kuriyama of America, Inc. – North American headquarters and main warehouse (shown below), is located at 360 East State Parkway, Schaumburg, IL. Kuriyama is the exclusive U.S. distributor of Industrial Rubber Hose products manufactured by ALFAGOMMA S.p.A. KOA also has four additional warehouses throughout the U.S., where Alfagomma hose products are stocked.

ALFAGOMMA® Industrial Rubber Hose Index by Series Number

CODE LEGEND FOR AVAILABLE COLORS

(Refers to last two letters of the Series number.)

A = BLACK	D = WINE RED	G = GREEN	J = TAN	M = SILVER
B = GREY	E = BLUE	H = RED	K = YELLOW	O = TRANSLUCENT
	F = PURPLE	I = ORANGE	L = WHITE	

Note: The second to last letter refers to the hose tube color and the last letter refers to the hose cover color.

Alfagomma® hoses are produced using silicone free release agents.

Please call your local Kuriyama Warehouse for availability of products/sizes shown.

NOTE: Although every effort has been made to accurately show the color of the ALFAGOMMA hoses in the catalog, because of the limitation of four-color process printing, some of the colors shown herein may not be exact.

Index

ALFAGOMMA®

ALFAGOMMA®

Index

1. Kuriyama of America, Inc. disclaims any liability for use of its products in applications other than those for which they were designed.
2. Weights and dimensions are nominal.
3. Pictures shown are for illustration purposes only. Actual hose construction may vary.

Because we continually examine ways to improve our products, we reserve the right to alter specifications or discontinue products without prior notice.

Application Guide

ALFAGOMMA®

Chemical Application Guide

PRODUCT	PAGE	AGRICULTURAL FERTILIZERS	CHEMICAL SOLUTIONS	CHEMICAL/SOLVENT TRANSFER
T5050G	40	✔	✔	✔
T5090E	41	✔	✔	✔
T5190E	42	✔	✔	✔

* Working Pressure and vacuum ratings are based at ambient temperature of 68°F (20°C).

Compressed Air Application Guide

PRODUCT	PAGE	CONSTRUCTION AIR SERVICE	HEAVY DUTY	HIGH HEAT	HIGH PRESSURE AIR	HOT AIR BLOWER HOSE
T140AK	10	✔	✔		✔	
T142AK	11	✔	✔	✔	✔	
T155AK	12	✔				
T902AA	13			✔		✔
T903LE	14			✔		✔

* Working Pressure and vacuum ratings are based at ambient temperature of 68°F (20°C).

Food Transfer Application Guide – FDA Liquid

PRODUCT	PAGE	ABRASIVE MATERIAL SUCTION & DISCHARGE, WET/DRY	DRY BULK FOOD DISCHARGE	FDA	3A	ALCOHOLIC BEVERAGE DISCHARGE
T400LB	29			✔	✔	✔
T400LL	28			✔	✔	✔
T410LB	31			✔	✔	✔
T410LL	30			✔	✔	✔
T422LH	32			✔	✔	✔
T426LB	33			✔	✔	✔
T452LE	35			✔		
T455LL	34			✔	✔	✔

* Working Pressure and vacuum ratings are based at ambient temperature of 68°F (20°C).

Food Transfer Application Guide – FDA Material Handling

PRODUCT	PAGE	ABRASIVE MATERIAL SUCTION & DISCHARGE, WET/DRY	DRY BULK FOOD DISCHARGE	FDA	3A	ALCOHOLIC BEVERAGE DISCHARGE
T714LG	38	✔		✔		
T720LG	37	✔	✔	✔		
T760LE	39		✔	✔		

* Working Pressure and vacuum ratings are based at ambient temperature of 20°C (68°F).

Material Handling Application Guide – Non FDA

PRODUCT	PAGE	ABRASIVE MATERIAL TRANSFER, WET/DRY	ABRASIVE SLURRY TRANSFER	CEMENT, WET PUMPING	CONCRETE PUMPING	DRY BULK FOOD DISCHARGE
HWT763AA	72	✔	✔			
T704HA	63	✔				
T720AA	66	✔	✔			
T737AA	68			✔	✔	
T740AA	67			✔	✔	
T753AA	65					
T753AG	65					
T755AA	64					
T757AA	68			✔	✔	
T758AA	69			✔	✔	
T758AE	69			✔	✔	
T760AA	70	✔				
T763AA	71	✔	✔			
T766AA	73	✔	✔			

* Working Pressure and vacuum ratings are based at ambient temperature of 68°F (20°C).

TUBE COMPOUND	PSI RATING	4 + 4 SP	TEMP	VACUUM HG (IN)
XLPE	240	✔	-22°F TO 176°F	✔
UHMWPE	240	✔	-22°F TO 200°F	✔
UHMWPE	240		-22°F TO 200°F	✔

MINES / QUARRIES	OIL RESISTANT	FDA	PSI RATING	STEEL BRAIDED WIRE	TEMP	VACUUM HG (IN)
✔			See Catalog	✔	-22°F TO 176°F	
✔	✔		600	✔	-40°F TO 242°F	
✔			300		-22°F TO 176°F	
			150		-40°F TO 350°F	✔
		✔	150		-40°F TO 350°F	✔

ALCOHOLIC BEVERAGE S & D	OIL BASED FOOD SUCTION & DISCHARGE	OIL BASED FOOD DISCHARGE	POTABLE WATER	PSI RATING CONSTANT	LIQUID FOODS TEMP	FAT FOODS TEMP	VACUUM HG (IN)
✔	✔	✔		150	-22°F TO 230°F	-22°F TO 248°F	✔
✔	✔	✔		150	-22°F TO 230°F	-22°F TO 248°F	✔
✔				240	-22°F TO 226°F		✔
✔				240	-22°F TO 226°F		✔
✔				150	-22°F TO 226°F		
✔	✔			150	-22°F TO 176°F		✔
			✔	150	-22°F TO 176°F		
		✔		150	-22°F TO 176°F		

ALCOHOLIC BEVERAGE S & D	OIL BASED FOOD SUCTION & DISCHARGE	OIL BASED FOOD DISCHARGE	POTABLE WATER	PSI RATING CONSTANT	TEMP	VACUUM HG (IN)
				75	-22°F TO 176°F	✔
				See Catalog	-22°F TO 176°F	✔
				75	-22°F TO 176°F	

DRY POWDER DELIVERY, CEMENT/SAND	GROUT	PLASTER	SHOT & SAND BLAST, DRY ABRASIVE DELIVERY	PSI RATING	TEMP	VACUUM HG (IN)
				75	-22°F TO 176°F	
				150	-40°F TO 212°F	✔
				See Catalog	-22°F TO 176°F	
				600	-22°F TO 176°F	
				1275	-22°F TO 176°F	
			✔	180	-22°F TO 176°F	
			✔	180	-22°F TO 176°F	
			✔	180	-22°F TO 176°F	✔
	✔	✔		600	-22°F TO 176°F	
	✔	✔		800	-22°F TO 176°F	
✔				800	-22°F TO 176°F	
✔				75	-22°F TO 176°F	
✔				75	-22°F TO 176°F	
✔				150	-22°F TO 176°F	

Application Guide

ALFAGOMMA®

Petroleum Application Guide

PRODUCT	PAGE	AROMATIC CONTENT	BILGE PUMP	BIOFUELS (UP TO E98 AND B100)	CORRUGATED COVER	FUEL / OIL SUCTION & DISCHARGE	HOT TAR & ASPHALT SUCTION & DISCHARGE
6C5AA	54	✔			✔	✔	
CT601AA	50	✔			✔		
ST6D2AA	49						
T6D1AA	48						
T600AA	44-45						
T601AA	51	✔					
T604AA	52						
T605AA	53	✔				✔	
T605AH	55	✔				✔	
T606AE	56	✔			✔	✔	
T614AA	60						✔
T620AA	57	✔				✔	
T629AA	58	✔		✔		✔	
T631AA	61						✔
T631AE	62						
T650AH	59						
T653AA	46-47		✔				

* Working Pressure and vacuum ratings are based at ambient temperature of 68°F (20°C).

Specialty Hoses Application Guide

PRODUCT	PAGE	FURNACE DOOR COOLANT	MSHA UNDERGROUND MINE COMPLIANT
T146AK	74		✔
T957LL	75	✔	

* Working Pressure and vacuum ratings are based at ambient temperature of 68°F (20°C).

Steam & Hot Water Application Guide

PRODUCT	PAGE	STEAM CLEANER USE/ DETERGENTS OR OIL	HIGH TENSILE STEEL CORD REINFORCEMENT	RADIATOR	HOT WATER	PIN-PRICKED COVER	PSI RATING CONSTANT
T340AA	25	NO	✔			✔	270
T340AH	25	NO	✔			✔	270
T341AA	26	NO	✔			✔	270
T341AH	26	NO	✔			✔	270
T343AH	27	NO	✔			✔	270
T350LH	20	NO			✔		See Page 20
T350LL	20	NO			✔		See Page 20
T351LL	21	NO			✔		150
T351LG	21	NO			✔		150
T352AA	22-23	NO		✔	✔		75

* Working Pressure and vacuum ratings are based at ambient temperature of 68°F (20°C).

Water Suction And Discharge Application Guide

PRODUCT	PAGE	AGRICULTURAL FERTILIZERS	CHEMICAL SOLUTIONS	CONSTRUCTION	HEAVY DUTY	HIGH PRESSURE
T202AA	16	✔		✔		
T204AA	17			✔		
T253AA	18			✔		
T254AA	19			✔		

* Working Pressure and vacuum ratings are based at ambient temperature of 68°F (20°C).

Application Guide

HYDRAULIC SUCTION / RETURN	MARINE EXHAUST / FUEL FILL	OIL FIELD / FRACK DISCHARGE	OIL FIELD / FRACK TANK SUCTION	PETROLEUM DISCHARGE	PETROLEUM SUCTION / DISCHARGE	PSI	TEMP	VACUUM HG (IN)
			✔			150	-22°F TO 176°F	✔
			✔			150	-22°F TO 176°F	✔
		✔				400	-22°F TO 176°F	
		✔				400	-22°F TO 176°F	
	✔					75	- 4°F TO 212°F	✔
			✔			150	-22°F TO 176°F	✔
✔						See Catalog	-40°F TO 212°F	✔
					✔	150	-22°F TO 176°F	✔
					✔	150	-22°F TO 176°F	✔
					✔	150	-65°F TO 180°F	
						150	- 4°F TO 356°F	✔
					✔	300	-22°F TO 176°F	✔
					✔	150	-22°F TO 176°F	✔
						300	-22°F TO 176°F	
				✔		300	-22°F TO 356°F	
				✔		150	-22°F TO 176°F	
						75	-22°F TO 176°F	

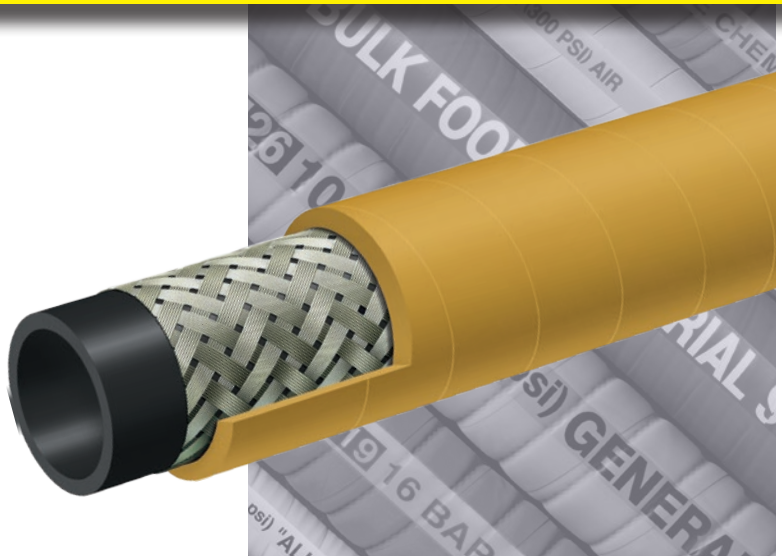
PIN-PRICKED	PSI RATING	TEMP
✔	1000	-22°F to 200°F
	300	Tube: -40°F to 248°F Cover: -40°F to 1000°F

SATURATED STEAM	SHIPYARDS & CHEMICAL PLANTS	REFINERY	SUPERHEATED STEAM	PAPER MILL WASH DOWN	FOOD & DAIRY WASHDOWN	TAPPERED NOZZLE	TEMP
✔							-40°F TO 430°F
✔							-40°F TO 430°F
✔	✔		✔				-40°F TO 430°F
✔	✔		✔				-40°F TO 430°F
✔		✔	✔				-40°F TO 430°F
				✔	✔		See Page 20
✔				✔	✔		See Page 20
				✔	✔	✔	-40°F TO 248°F
				✔	✔	✔	-40°F TO 248°F
							-40°F TO 248°F

IRRIGATION	LAYFLAT	MAX. REC. WP (PSI)	STEEL HELIX	WATER DISCHARGE	WATER SUCTION	TEMP	VACUUM HG (IN)
✔		150	✔	✔	✔	-22°F TO 176°F	✔
✔		75	✔	✔	✔	-22°F TO 176°F	✔
✔	✔	150		✔		-22°F TO 176°F	
✔		150		✔		-40°F TO 248°F	

ALFAGOMMA

T140AK Series
Braided Steel Wire Air Hose



General Applications:
High pressure air hose for heavy-duty use in mines, quarries, construction and industry.

Construction:
Tube: Black Extruded SBR – resistant to oil mist.
Reinforcement: High tensile steel wire braids.
Cover: Yellow SBR – abrasion and ozone resistant – pin pricked.

Working Pressure:
Constant Pressure –
40 Bar (600 PSI): 1/2", 3/4", 1", 1 1/4", 1 1/2", 2"
30 Bar (450 PSI): 2 1/2", 3", 4"

Service Temperature Range:
-22°F (-30°C) to +176°F (+80°C)

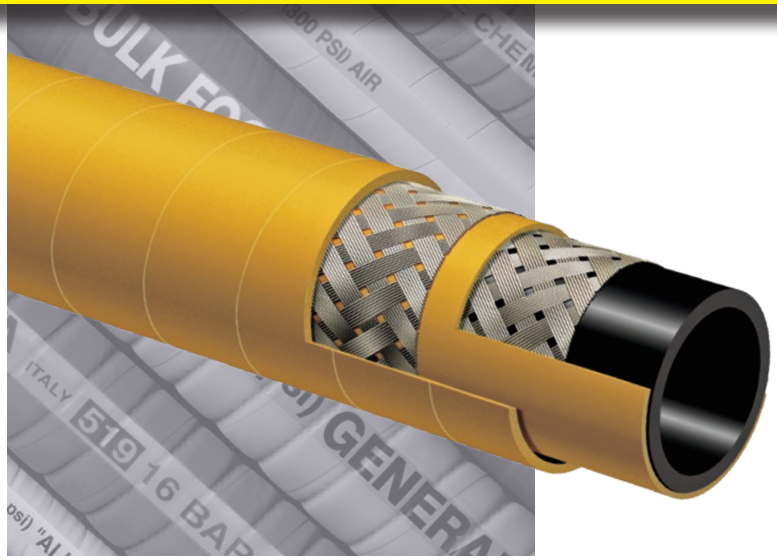
Branding:
ALFAGOMMA – ITALY – T140 STEEL AIR (embossed)

Nominal Specifications

Series Number	ID (in)	ID (mm)	OD (in)	OD (mm)	Max Rec. WP (psi)	Min. Bending Radius at 68°F (in)	Standard Length (ft)	Weight (lbs/ft)
T140AK050	1/2	13	0.87	22	600	2 1/2	50/100	0.28
T140AK075	3/4	19	1.10	28	600	4	50/100	0. 37
T140AK100	1	25	1.34	34	600	5	50/100	0. 47
T140AK125	1 1/4	32	1.65	42	600	6 1/2	50/100	0. 72
T140AK150	1 1/2	38	1.89	48	600	7 1/2	50/100	0. 86
T140AK200	2	51	2.52	64	600	10	50/100	1.34
T140AK250	2 1/2	63	3.03	77	450	12 1/2	50/100	1.64
T140AK300	3	76	3.54	90	450	15	50/100	1.95
T140AK400	4	102	4.65	118	450	20	50/100	2.75

COUPLING SUGGESTIONS
Steel or malleable iron male insert NPT, female ground joint or washer type with spud, or universal quick-acting couplings attached with 2 or 4 bolt interlocking clamps or bands.

★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.



T142AK Series

High Temperature – Oil Resistant Steel Braided Reinforced Air Hose

General Applications:
High pressure air for mines and quarries. Designed for long lasting service and maximum safety in heavy duty applications where resistance to oil is required.

Construction:
Tube: Black Extruded NBR (RMA Class A) – oil mist resistant.
Reinforcement: High tensile steel wire braids.
Cover: Yellow SBR/NBR – abrasion, ozone, hydrocarbon and flame resistant – pin pricked.

Working Pressure:
40 Bar (600 PSI) 2"
30 Bar (450 PSI) 2 1/2", 3"

Service Temperature Range:
-40°F (-40°C) to +248°F (+120°C)

Branding:
ALFAGOMMA – ITALY T142 HIGH TEMP STEEL AIR – OIL RESISTANT (embossed)

Nominal Specifications

Series Number	ID (in)	ID (mm)	OD (in)	OD (mm)	Max Rec. WP (psi)	Min. Bending Radius at 68°F (in)	Standard Length (ft)	Weight (lbs/ft)
T142AK200	2	51	2.52	64	600	10	50/100	1.16
T142AK250	2 1/2	63	3.03	77	450	12 1/2	100	1.93
T142AK300	3	76	3.54	90	450	15	50/100	1.91

COUPLING SUGGESTIONS
Steel or malleable iron male insert NPT, female ground joint or washer type with spud, or universal quick-acting couplings attached with 2 or 4 bolt interlocking clamps or bands.

★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

ALFAGOMMA

T155AK Series

300 PSI Textile Cord
"Air Drill" Hose

General Applications:
High quality air hose for mining and construction service.

Construction:
Tube: Black SBR/NBR blend – oil mist resistant.
Reinforcement: Spiraled, high tensile textile cords.
Cover: Yellow SBR – abrasion and ozone-resistant.

Working Pressure:
Constant Pressure – 20 Bar (300 PSI)

Service Temperature Range:
-22°F (-30°C) to +176°F (+80°C)

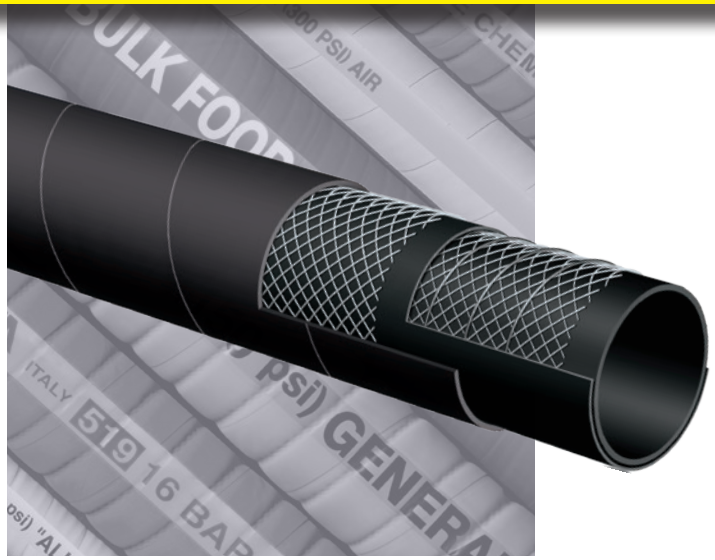
Branding:
ALFAGOMMA – ITALY – T155 20 BAR (300 PSI) AIR (in blue letters)

Nominal Specifications

Series Number	ID (in)	ID (mm)	OD (in)	OD (mm)	Max Rec. WP (psi)	Standard Length (ft)	Weight (lbs/ft)
T155AK050	1/2	13	0.83	21	300	50/100	0.22
T155AK075	3/4	19	1.14	29	300	100	0.38
T155AK100	1	25	1.38	35	300	50/100	0.48
T155AK125	1 1/4	32	1.73	44	300	100	0.60
T155AK150	1 1/2	38	1.97	50	300	100	0.70
T155AK200	2	51	2.56	65	300	50/100	1.12
T155AK250	2 1/2	63	3.11	79	300	50/100	1.55
T155AK300	3	76	3.62	92	300	50/100	1.89
T155AK400	4	102	4.65	118	300	50/100	2.47

COUPLING SUGGESTIONS
Steel or malleable iron male insert NPT, female ground joint or washer type with spud, attached with 2 or 4 bolt interlocking clamps or bands. Universal couplings may be used on sizes (1/2" – 2")

★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.



T902AA Series

150 PSI High Quality Hot Air Blower Hose

General Applications:
Hot air transfer between the air compressor and dry bulk tank on bulk material carriers.

Construction:
Tube: Black EPDM – heat-resistant.
Reinforcement: Spiraled high tensile textile cords with flexible steel helix wire.
Cover: Black EPDM – heat, abrasion and ozone resistant.

Working Pressure:
Constant Pressure – 10 Bar (150 PSI)

Service Temperature Range:
-40°F (-40°C) to +356°F (+180°C)

Branding:
ALFAGOMMA – ITALY T902 10 BAR (150 PSI) – HOT AIR SERVICE (in white letters)

Nominal Specifications

Series Number	ID (in)	ID (mm)	OD (in)	OD (mm)	Max Rec. WP (psi)	Vacuum HG (in)	Min. Bending Radius at 68°F (in)	Standard Length (ft)	Weight (lbs/ft)
T902AA200	2	51	2.48	63	150	30	6	100	1.01
T902AA300	3	76	3.54	90	150	27	9	100	1.60
T902AA400	4	102	4.57	116	150	27	12	100	2.23

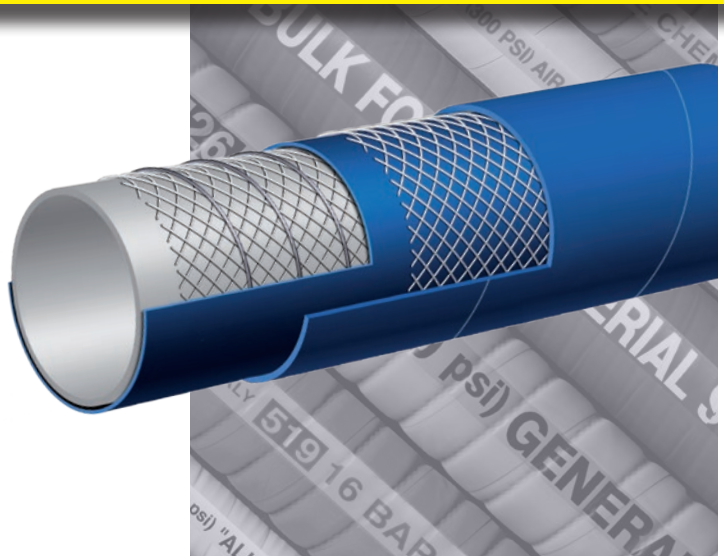
COUPLING SUGGESTIONS
Quick-Acting, pin lug, short shank couplings or combination nipples attached with single bolt, double bolt, wire or band type clamps.

★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

ALFAGOMMA®

T903LE Series

150 PSI High Quality FDA Hot Air Blower Hose



General Applications:
Hot air transfer between the air compressor and dry bulk tank on bulk material carriers.

Construction:
Tube: White EPDM – heat-resistant. Meets FDA requirements.
Reinforcement: Spiraled high tensile textile cords with flexible steel helix wire.
Cover: Blue EPDM – heat, abrasion and ozone resistant.

Working Pressure:
Constant Pressure – 10 Bar (150 PSI)

Service Temperature Range:
-40°F (-40°C) to +356°F (+180°C)

Branding:
ALFAGOMMA – ITALY T903 10 BAR (150 PSI) – HOT AIR SERVICE – FDA (in white letters)

Nominal Specifications

Series Number	ID (in)	ID (mm)	OD (in)	OD (mm)	Max Rec. WP (psi)	Vacuum HG (in)	Min. Bending Radius at 68°F (in)	Standard Length (ft)	Weight (lbs/ft)
T903LE300	3	76	3.54	90	150	27	9	100	1.65
T903LE400	4	102	4.57	116	150	27	12	100	2.26

COUPLING SUGGESTIONS
Quick-Acting, pin lug, short shank couplings or combination nipples attached with single bolt, double bolt, wire or band type clamps.

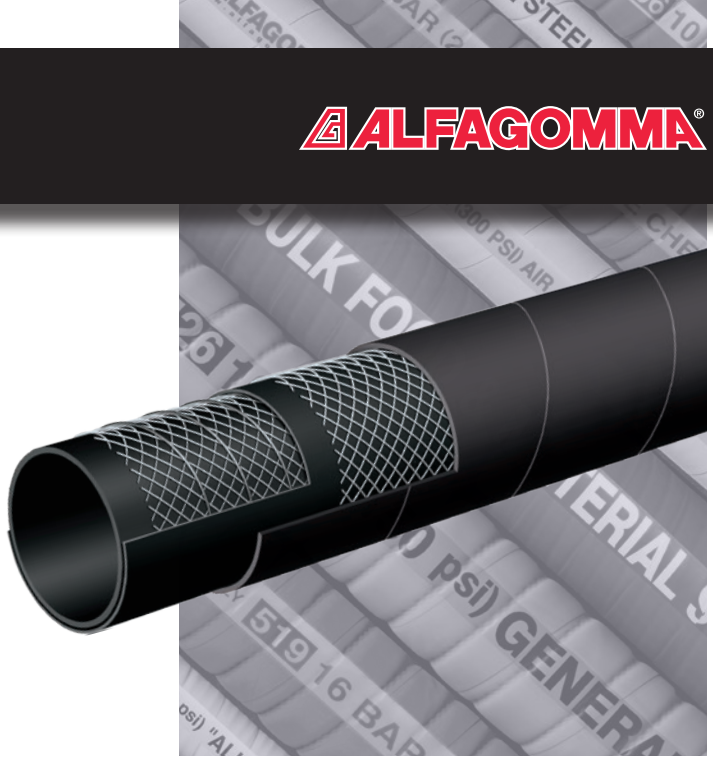
★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

Notes

ALFAGOMMA®

T202AA Evolution Series

150 PSI EPDM General Purpose Water S & D Hose



FOR APPLICATIONS INVOLVING INDUSTRIAL ACID CHEMICALS AND ALCOHOLS, PLEASE REFER TO T505OG AND T509OE CHEMICAL HOSES

General Applications:
Water suction and delivery hose. Suction and discharge of non-corrosive liquids for irrigation, construction, fertilizers and lasso acid solutions.

Construction:
Tube: Black EPDM.
Reinforcement: Spiraled high tensile textile cords with flexible steel helix wire.
Cover: Black EPDM – abrasion and ozone resistant.

Working Pressure:
Constant Pressure – 10 Bar (150 PSI)

Service Temperature Range:
-40°F (-40°C) to +212°F (+100°C)

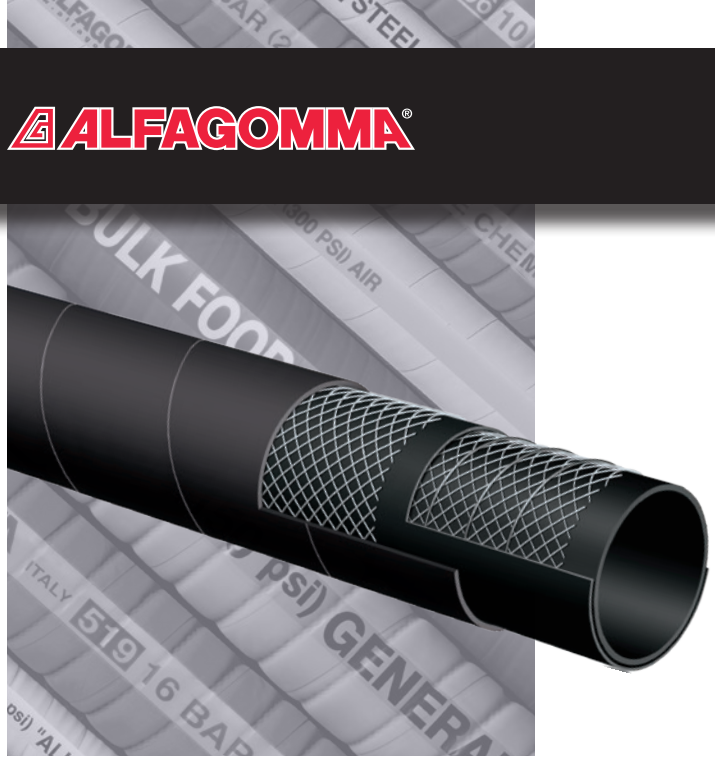
Branding:
ALFAGOMMA – ITALY – 202 EVOLUTION 10 BAR (150 PSI) GENERAL PURPOSE EPDM (in green letters)

Nominal Specifications

Series Number	ID (in)	ID (mm)	OD (in)	OD (mm)	Max Rec. WP (psi)	Vacuum HG (in)	Min. Bending Radius at 68°F (in)	Standard Length (ft)	Weight (lbs/ft)
T202AA100	1	25	1.42	36	150	30	2	100	0.48
T202AA125	1 1/4	32	1.69	43	150	30	2.5	100	0.58
T202AA150	1 1/2	38	1.93	49	150	30	3	100	0.68
T202AA200	2	51	2.44	62	150	30	4	100	0.88
T202AA250	2 1/2	63	2.99	76	150	30	7.5	100	1.36
T202AA300	3	76	3.50	89	150	30	9	100	1.61
T202AA350	3 1/2	90	4.02	102	150	30	10.5	100	1.82
T202AA400	4	102	4.57	116	150	30	12	100	2.22
T202AA500	5	127	5.55	141	150	25	18	20/50	3.18
T202AA600	6	152	6.61	168	150	25	24	20/25/50/100	3.59
T202AA800	8	203	8.70	221	150	25	32	20/25/50/100	6.64
T202AA1000	10	254	10.71	272	150	25	50	20	9.09
T202AA1200	12	305	12.87	327	150	25	61	20	12.54

COUPLING SUGGESTIONS
Quick-Acting, pin lug, short shank couplings or combination nipples attached with single bolt, double bolt, wire or band type clamps.

★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.



T204AA Series

75 PSI SBR Water S & D Hose

General Applications:
Suction and discharge of water for irrigation and construction.

Construction:
Tube: Black SBR.
Reinforcement: Spiraled high tensile textile cords with flexible steel helix wire.
Cover: Black SBR – ozone and abrasion-resistant.

Working Pressure:
Constant Pressure – 5 Bar (75 PSI)

Service Temperature Range:
-22°F (-30°C) to +176°F (+80°C)

Branding:
ALFAGOMMA– ITALY – T204 (embossed)

Nominal Specifications

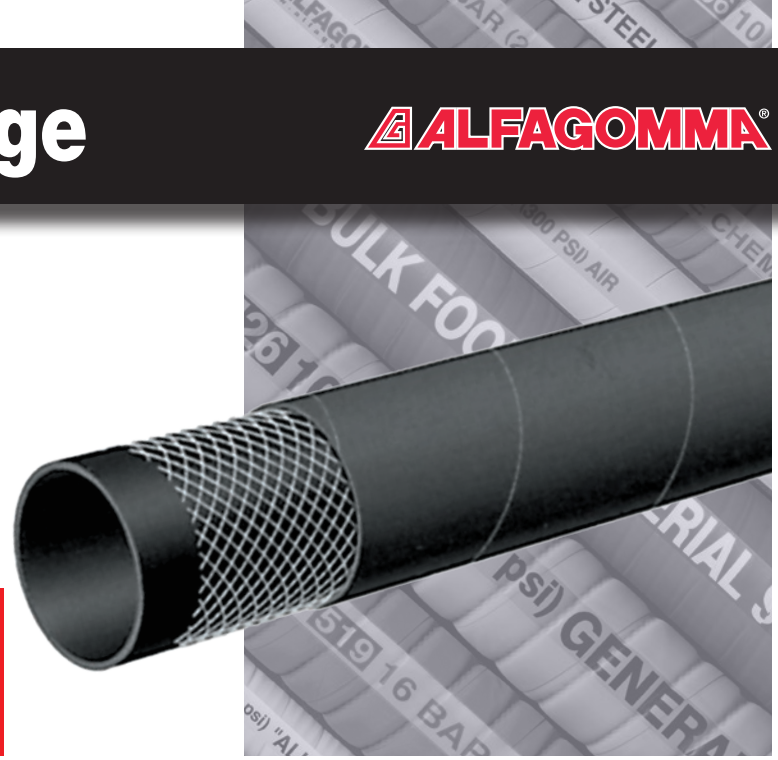
Series Number	ID (in)	ID (mm)	OD (in)	OD (mm)	Max Rec. WP (psi)	Vacuum HG (in)	Min. Bending Radius at 68°F (in)	Standard Length (ft)	Weight (lbs/ft)
T204AA600	6	152	6.54	166	75	24	30	20/25/50/100	4.13
T204AA800	8	203	8.70	221	75	21	40	20/25	7.06

COUPLING SUGGESTIONS
Quick-Acting, pin lug, short shank couplings or combination nipples attached with single bolt, double bolt, wire or band type clamps.

★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

ALFAGOMMA®

T253AA Series
150 PSI EPDM Layflat Water Discharge Hose



FOR APPLICATIONS INVOLVING INDUSTRIAL ACID CHEMICALS AND ALCOHOLS, PLEASE REFER TO T505OG AND T509OE CHEMICAL HOSES

General Applications:
High pressure, 150 PSI lay flat type hose for general industrial construction and irrigation.

Construction:
Tube: Black EPDM.
Reinforcement: High tensile textile cords.
Cover: Black EPDM – abrasion and ozone-resistant.

Working Pressure:
Constant Pressure – 10 Bar (150 PSI)

Service Temperature Range:
-22°F (-30°C) to +176°F (+80°C)

Branding:
Alfagomma – Italy – T253 10 Bar (150 PSI) EPDM WATER DISCHARGE (in green letters)

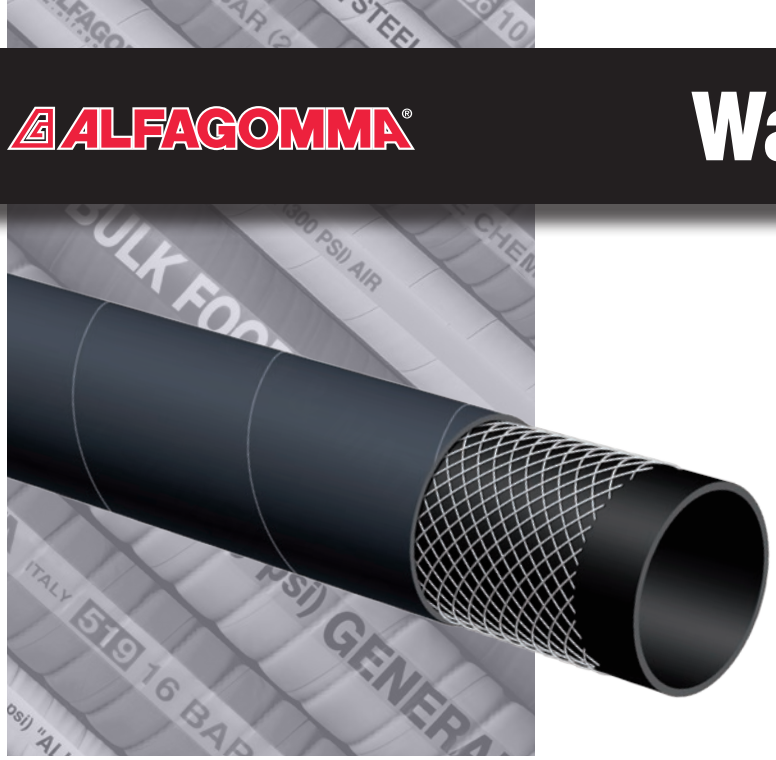
Nominal Specifications

Series Number	ID (in)	ID (mm)	OD (in)	OD (mm)	Max Rec. WP (psi)	Standard Length (ft)	Weight (lbs/ft)
T253AA150	1 1/2	38	1.81	46	150	100	0.37
T253AA200	2	51	2.32	59	150	100	0.50
T253AA250	2 1/2	63	2.80	71	150	100	0.60
T253AA300	3	76	3.31	84	150	100	0.86
T253AA400	4	102	4.33	110	150	100	1.19
T253AA600	6	152	6.38	162	150	50/100	2.00
T253AA662	6 5/8*	168	7.01	178	150	50/100	2.17
T253AA800	8	203	8.46	215	150	50/100	2.82
T253AA1000	10	254	10.63	270	150	50100	5.11
T253AA1200	12	305	12.56	319	150	50	5.93

* $6^{5}/_{8}$" referred to as Elephant Trunk Hose – Ideal for "Irrigation Boots."

COUPLING SUGGESTIONS
Quick-Acting, pin lug, short shank couplings or combination nipples attached with single bolt, double bolt, wire or band type clamps.

★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.



T254AA Series

150 PSI SBR Water Discharge Hose

General Applications:
Water discharge hose for construction and irrigation.

Construction:
Tube: Black SBR.
Reinforcement: High tensile textile cords.
Cover: Black SBR – abrasion and ozone-resistant.

Working Pressure:
Constant Pressure – 10 Bar (150 PSI)

Service Temperature Range:
-22°F (-30°C) to +176°F (+80°C)

Nominal Specifications

Series Number	ID (in)	ID (mm)	OD (in)	OD (mm)	Max Rec. WP (psi)	Standard Length (ft)	Weight (lbs/ft)
T254AA150	1 1/2	38	1.89	48	150	100	0.66
T254AA200	2	51	2.40	61	150	100	0.87
T254AA300	3	76	3.46	88	150	100	1.54
T254AA400	4	102	4.49	114	150	100	2.08
T254AA600	6	152	6.54	166	150	100	3.13
T254AA800	8	203	8.62	219	150	50/100	4.64

COUPLING SUGGESTIONS
Quick-Acting, pin lug, short shank couplings or combination nipples attached with single bolt, double bolt, wire or band type clamps.

★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

ALFAGOMMA®

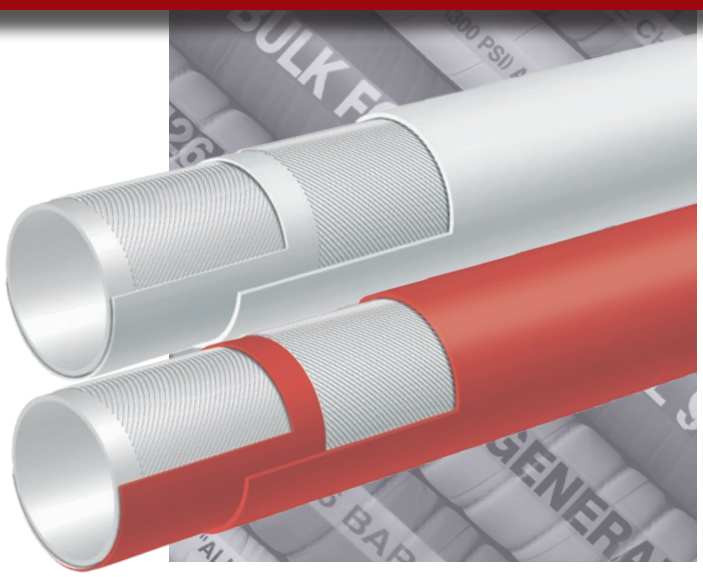
T350LL / T350LH

225 PSI Premium Paper Mill/Creamery Wash Down Hose – No Nozzle

3-A
COMPLIANT MATERIAL

T350LL
White Cover

T350LH
Red Cover



General Applications:
For general wash down service, using hot water or low pressure saturated steam in processing plants and facilities and in food and dairy plants.

Construction:
Tube: White EPDM. Meets FDA and 3A (18-03) requirements.
Reinforcement: High tensile textile cords.
Cover: Red EPDM – heat, abrasion and ozone resistant. White EPDM – heat, abrasion and ozone resistant.

Working Pressure:
Constant Pressure – 15 Bar (225 PSI)

Steam Pressure:
Constant Pressure – 6 Bar (90 PSI)

Service Temperature Range:
Water -40°F (-40°C) to +248°F (+120°C)
Steam +330°F to (+165°C)

Branding:
ALFAGOMMA – ITALY – T350 6 BAR (90 PSI) STEAM 15 BAR (225 PSI) HOT WATER (embossed)

Standard Length:
200 feet – eliminates bulky hookups

*T350 fully complies with the requirements listed in FDA CFR21.

Nominal Specifications

Series Number	ID (in)	ID (mm)	OD (in)	OD (mm)	Max Rec. WP (psi)	Standard Length (ft)	Weight (lbs/ft)
T350LL050	1/2	13	0.91	23	225	200	0.27
T350LL062	5/8	16	1.02	26	225	200	0.31
T350LL075	3/4	19	1.22	31	225	200	0.44
T350LL100	1	25	1.46	37	225	200	0.54
T350LL125	1 1/4	32	1.81	46	225	200	0.63
T350LL150	1 1/2	38	2.05	52	225	200	0.74
T350LL200	2	51	2.64	67	225	200	1.12
T350LH075	3/4	19	1.22	31	225	200	0.44
T350LH100	1	25	1.46	37	225	200	0.54

COUPLING SUGGESTIONS
Short shank, long shank couplings (NPT, GHT), barbed inserts attached with bands.

T351LL / T351LG

150 PSI Premium Paper Mill/ Creamery Wash Down Hose With Tapered Nozzle

T351LL
White Cover

T351LG
Green Cover

3-A
COMPLIANT MATERIAL

General Applications:
For general wash down service, using hot and cold water in paper mills and in food and dairy plants.

Construction:
Tube: White EPDM. Meets FDA and 3A (18-03) requirements.
Reinforcement: High tensile textile cords.
Cover: White or green EPDM – heat, abrasion and ozone resistant.

Working Pressure:
Constant Pressure – 10 Bar (150 PSI)

Service Temperature Range:
-40°F (-40°C) to +248°F (+120°C)

Standard Length:
50 feet including 6" long built-in tapered nozzle*

*Tapered Nozzle Hole Size
3/4" and 1" ID .....3/8"
1 1/4" ID.....1/2"
1 1/2" ID.....5/8"

*T351 fully complies with the requirements listed in FDA CFR21.

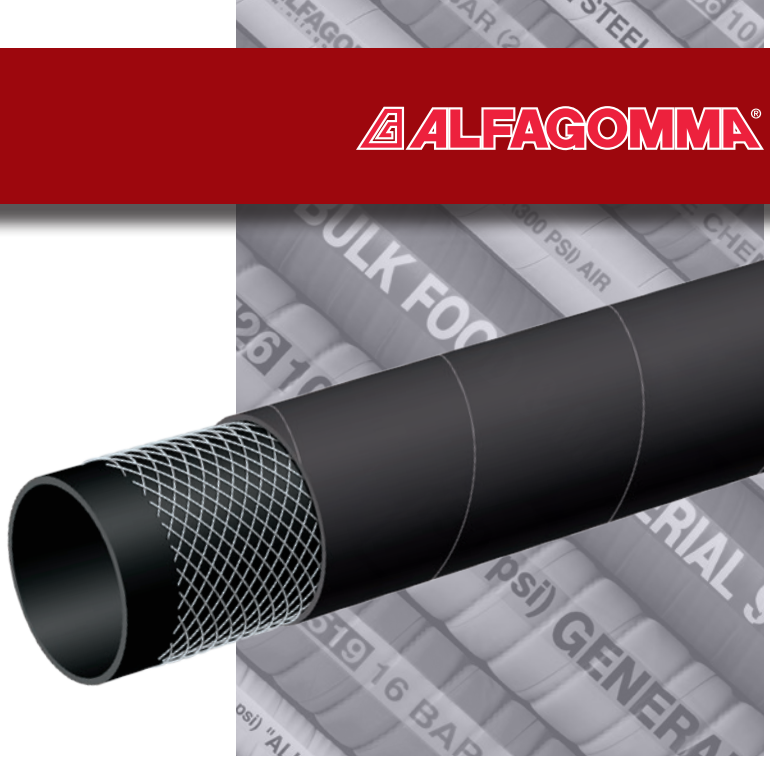
Nominal Specifications

Series Number	ID (in)	ID (mm)	OD (in)	OD (mm)	Max Rec. WP (psi)	Standard Length (ft)	Weight (lbs/ft)
T351LL/LG075	3/4	19	1.22	31	150	50	0.44
T351LL/LG100	1	25	1.46	37	150	50	0.54
T351LL/LG125	1 1/4	32	1.81	46	150	50	0.78
T351LL/LG150	1 1/2	38	2.05	52	150	50	0.91

COUPLING SUGGESTIONS
Short shank, long shank couplings (NPT, GHT), barbed inserts attached with bands.

ALFAGOMMA®

T352AA Series
75 PSI Radiator Hose



General Applications:
Radiator hose.

Construction:
Tube: Black EPDM.
Reinforcement: High tensile textile cords.
Cover: Black EPDM – heat, abrasion and ozone resistant.

Working Pressure:
5 Bar (75 PSI)

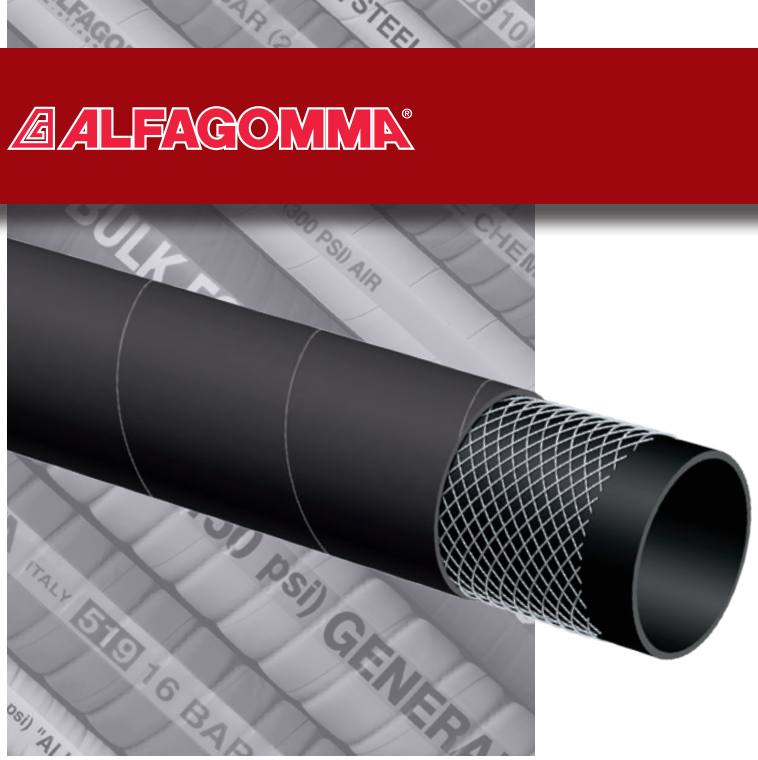
Service Temperature Range:
-40°F (-40°C) to +248°F (+120°C)

Branding:
ALFAGOMMA – ITALY – T-352 RADIATOR – DIN 73411 – dia mm / in. SAE 20R1-D2 (in yellow letters)

Nominal Specifications

Series Number	ID (in)	ID (mm)	OD (in)	OD (mm)	Max Rec. WP (psi)	Standard Length Coils (ft)	Weight (lbs/ft)
T352AA050X12.6	1/2	13	0.83	21	75	12'6"	0.19
T352AA050X200	1/2	13	0.83	21	75	200'	0.19
T352AA062X12.6	5/8	16	0.94	24	75	12'6"	0.22
T352AA071X12.6	11/16	18	1.02	26	75	12'6"	0.24
T352AA078X12.6	13/16	20	1.10	28	75	12'6"	0.26
T352AA087X12.6	7/8	22	1.18	30	75	12'6"	0.28
T352AA087X200	7/8	22	1.18	30	75	200'	0.28
T352AA100X12.6	1	25	1.30	33	75	12'6"	0.32
T352AA100X200	1	25	1.30	33	75	200'	0.32
T352AA112X12.6	1 1/8	28	1.42	36	75	12'6"	0.34
T352AA112X200	1 1/8	28	1.42	36	75	200'	0.34
T352AA118X12.6	1 3/16	30	1.50	38	75	12'6"	0.37

continued



T352AA Series

75 PSI Radiator Hose

Nominal Specifications

Series Number	ID (in)	ID (mm)	OD (in)	OD (mm)	Max Rec. WP (psi)	Standard Length Coils (ft)	Weight (lbs/ft)
T352AA125X12.6	1 1/4	32	1.57	40	75	12'6"	0.39
T352AA125X200	1 1/4	32	1.57	40	75	200'	0.39
T352AA137X12.6	1 3/8	35	1.69	43	75	12'6"	0.42
T352AA150X12.6	1 1/2	38	1.89	48	75	12'6"	0.57
T352AA150X200	1 1/2	38	1.89	48	75	200'	0.57
T352AA157X12.6	1 9/16	40	1.97	50	75	12'6"	0.60
T352AA157X200	1 9/16	40	1.97	50	75	200'	0.60
T352AA162X12.6	1 5/8	42	2.05	52	75	12'6"	0.63
T352AA162X200	1 5/8	42	2.05	52	75	200'	0.63
T352AA175X12.6	1 3/4	45	2.17	55	75	12'6"	0.66
T352AA175X200	1 3/4	45	2.17	55	75	200'	0.66
T352AA189X12.6	1 7/8	48	2.28	58	75	12'6"	0.70
T352AA189X200	1 7/8	48	2.28	58	75	200'	0.70
T352AA200X12.6	2	51	2.40	61	75	12'6"	0.75
T352AA200X200	2	51	2.40	61	75	200'	0.75
T352AA218X12.6	2 3/16	55	2.56	65	75	12'6"	0.80
T352AA225X12.6	2 1/4	57	2.64	67	75	12'6"	0.82
T352AA238X12.6	2 3/8	60	2.76	70	75	12'6"	0.86
T352AA250X12.6	2 1/2	63	2.87	73	75	12'6"	0.90
T352AA275X12.6	2 3/4	70	3.15	80	75	12'6"	0.97
T352AA300X12.6	3	76	3.39	86	75	12'6"	1.04
T352AA315X12.6	3 1/8	80	3.54	90	75	12'6"	1.10
T352AA354X12.6	3 9/16	90	4.02	102	75	12'6"	1.36
T352AA400X12.6	4	102	4.49	114	75	12'6"	1.52
T352AA450X12.6	4 1/2	116	5.00	127	75	12'6"	1.69
T352AA500X12.6	5	127	5.55	141	75	12'6"	2.16

Steam Hose Safety Facts

ALFAGOMMA®

(Reprinted from RMA IP-11-1 Steam Hose)

Handling steam is a very hazardous situation. Using care and some safety precaution can minimize or eliminate personal or property damage.

SELECTING AND USING STEAM HOSE

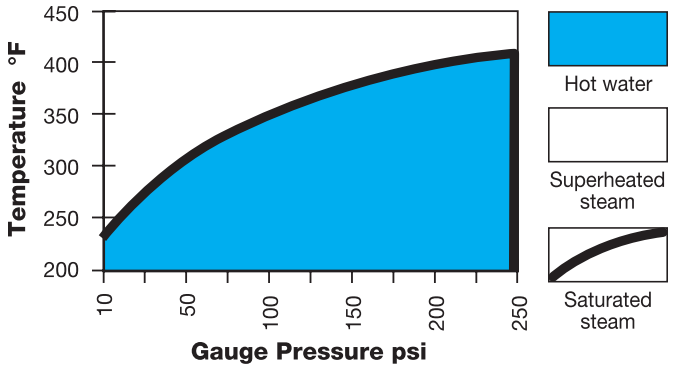
1. Make sure steam hose is identified as a steam hose. It should be branded as such, stating working pressure and temperature rating.
2. Make sure working pressure and temperature is not exceeded.
3. Do not allow hose to remain under pressure when not in use.
4. Avoid excess bending or flexing of hose near the coupling. Straight line operation is preferred. If bends are necessary as part of operation, spring guards may help.
5. Be sure and use recommended steam hose couplings and clamps on hose.

MAINTENANCE OF STEAM HOSE

1. Periodic inspection of hose should include looking for cover blisters and lumps.
2. Check for kinked areas that could damage hose.
3. Drain hose after each use to avoid tube damage before hose is put back in operation, to avoid “popcorning” of the tube.
4. Check tightness of clamps bolts after each use.
5. Check to see if clamps halves are touching. If they are, recouple hose with smaller clamps to insure proper tightness or grip around hose.
6. Do not store hose over hooks.
7. Steam hose lying on metal racks or installed around steel piping will dry out the hose, causing tube and cover cracking.
8. For service in sub-zero application, use only T-341 chlorbutyl hose.

The chart represents the three forms of water when subjected to heat and pressure. Use only hoses specifically designed for the application.

Gauge Pressure (psi)	Temperature of Saturated Steam (°F)
10	239
25	267
50	298
75	320
100	338
125	353
150	366
175	377
200	388
225	397
250	406



SELECTING AND USING STEAM HOSE

Gauge Pressure		Temperature	
psi	bar	°C	°F
25	1.73	130	267
30	2.07	134	274
35	2.42	138	281
40	2.76	141	287
45	3.11	144	292
50	3.45	148	298
60	4.14	153	307
70	4.83	158	316
80	5.52	162	324
90	6.21	166	330
100	6.90	170	338
120	8.28	177	350
140	9.66	182	361
160	11.04	188	371
180	12.42	193	379
200	13.80	198	388
225	15.53	203	397
250	17.25	208	406
275	18.98	212	414
300	20.70	216	422
325	22.43	221	429
350	24.15	225	437

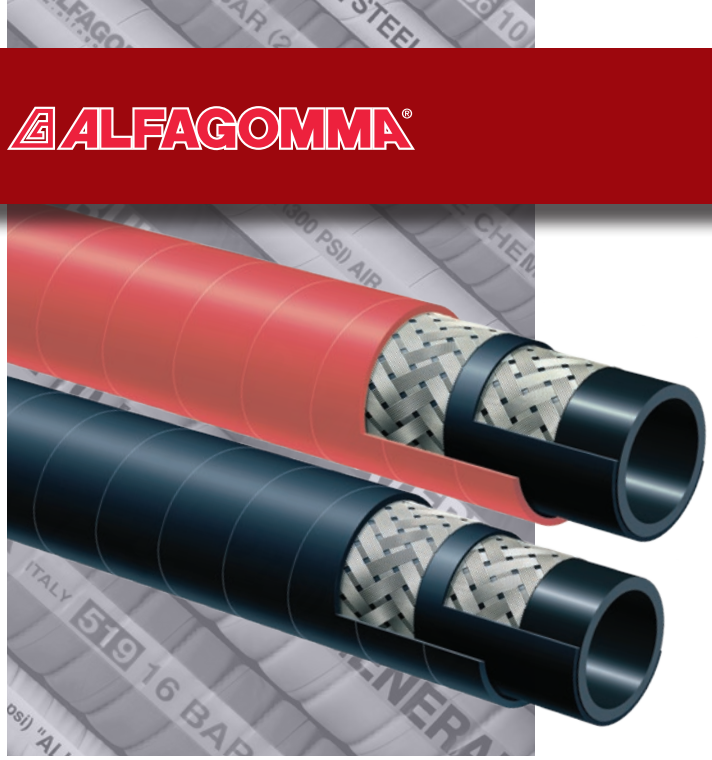
CORROSIVE STEAM

When the water used to generate steam contains dissolved air, oxygen or carbon dioxide, then these gases end up as contaminants in the steam. At high temperatures of steam both oxygen and carbon dioxide are extremely corrosive.

Carbon dioxide is acidic and therefore attacks metals whereas the oxygen corrodes metals and oxidizes rubbers. Corrosion of metals in the presence of both oxygen and acids is forty times faster than with either alone. Boiler water is therefore normally treated not only to remove the “hardness” which would cause “furring” of the boiler but also to remove dissolved oxygen and carbon dioxide and to ensure that the steam is not only not acidic but even slightly alkaline. Boiler water treatment is a specialised subject beyond the scope of this technical sheet but correct steam generation is important.

DETERIORATION OF STEAM HOSE

Like all rubber products steam hoses have a finite life and are subject to gradual deterioration with use. However, it sometimes happens that hoses which have been giving a good life suddenly start failing without apparent reason. In such cases it is often a change in the steam conditions causing a rapid acceleration of a normal failure mode. It is therefore useful to consider how steam hoses normally last and thus how the condition of the steam affects hose life.



T340AH / T340AA

270 PSI EPDM
Braided Steam Hose

T340AH
Red Cover

T340AA
Black Cover

Warning
Handling steam is very hazardous. If it is not properly controlled it can cause property damage, injury or even death. Selection for the proper application, usage, and maintenance will not only increase hose life but will insure safe operation for the user.

General Applications:
The transfer of saturated steam up to 270 PSI and 410°F (+210°C).

★ **Use with superheated steam will shorten hose life.**
Proper draining of steam hose after each use will increase service life.

★ **Not recommended for washdown applications where detergent or oils are present.**

Construction:
Tube: Black extruded EPDM – heat-resistant.
Not for steam cleaner use.
Reinforcement: High tensile steel wire braids (1/2" ID – 1 wire braid, 3/4" and higher ID's – 2 wire braids).
Cover: Red or black EPDM – heat-resistant. Wrapped cover fabric impression. Pin-pricked cover to allow venting.

Working Pressure:
Constant Pressure – 18 Bar (270 PSI)

Service Temperature Range:
-40°F (-40°C) to +410°F (+210°C)

Branding:
ALFAGOMMA – ITALY T340 18 BAR (270 PSI) STEAM – DRAIN AFTER USE – QTR/YEAR (embossed)

Nominal Specifications

Series Number	ID (in)	ID (mm)	OD (in)	OD (mm)	Max Rec. WP (psi)	Min. Bending Radius at 68°F (in)	Standard Length (ft)	Weight (lbs/ft)
T340AH/AA050	1/2	13	0.91	23	270	5	50/100	0.28
T340AH/AA075	3/4	19	1.22	31	270	7 1/2	200	0.52
T340AH/AA100	1	25	1.50	38	270	10	50/100	0.60
T340AA200	2	51	2.64	67	270	20	50/100	1.38
T340AA250	2 1/2	63	3.19	81	270	25	100	1.99
T340AA300	3	76	3.70	94	270	30	100	2.50

REFER TO STEAM HOSE SAFETY FACTS ON PAGE 24.

COUPLING SUGGESTIONS

Steel or malleable iron male insert NPT or female ground joint or washer type with spuds attached with 2 or 4 bolt interlocking clamps.

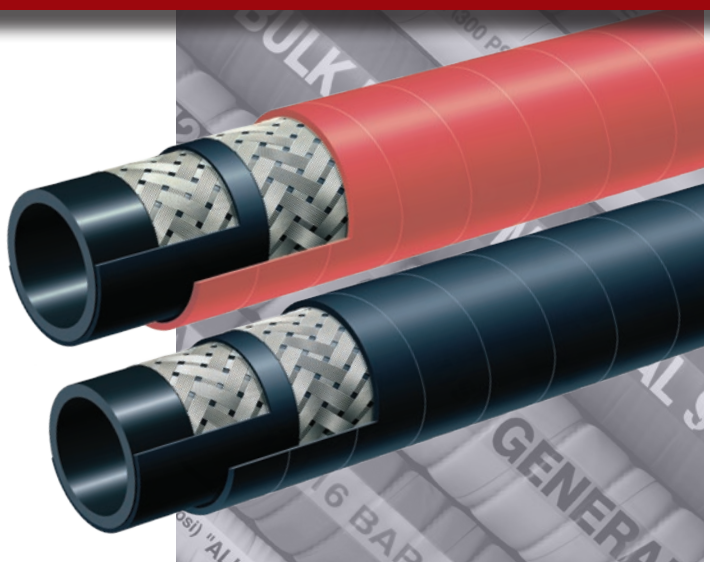
★ Kuriyama offers a full line of ground joint couplings and clamps. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

★ Universal quick-acting couplings should not be used with steam hose.

ALFAGOMMA®

T341AH / T341AA

270 PSI Chlorobutyl Braided Steam Hose



Warning
Handling steam is very hazardous. If it is not properly controlled it can cause property damage, injury or even death. Selection for the proper application, usage, and maintenance will not only increase hose life but will insure safe operation for the user.

T341AH
Red Cover

T341AA
Black Cover

General Applications:
The transfer of saturated and superheated steam up to 270 PSI and max 410°F (+210°C) in shipyards, chemical plants and industrial applications.

★ **Proper draining of steam hose after each use will increase service life.**

★ **Not recommended for washdown applications where detergent or oils are present.**

Construction:
Tube: Black extruded CIIR – heat-resistant.
Not for steam cleaner use.
Reinforcement: High tensile steel wire braids (1/2" ID – 1 wire braid, 3/4" and higher ID's – 2 wire braids).
Cover: Red or black EPDM – heat-resistant.
Wrapped cover fabric impression. Pin-pricked cover to allow venting.

Working Pressure:
Constant Pressure – 18 Bar (270 PSI)

Service Temperature Range:
-40°F (-40°C) to +410°F (+210°C)

Branding:
ALFAGOMMA – ITALY T341 18 BAR (270 PSI) STEAM – DRAIN AFTER USE – QTR/YEAR (embossed)

Nominal Specifications

Series Number	ID (in)	ID (mm)	OD (in)	OD (mm)	Max Rec. WP (psi)	Min. Bending Radius at 68°F (in)	Standard Length (ft)	Weight (lbs/ft)
T341AH/AA050	1/2	13	0.91	23	270	5	50/100	0.29
T341AH/AA075	3/4	19	1.22	31	270	7 1/2	50/100	0.53
T341AH/AA100	1	25	1.50	38	270	10	50/100	0.62
T341AH/AA125	1 1/4	32	1.81	46	270	12 1/2	50/100	0.89
T341AH/AA150	1 1/2	38	2.05	52	270	15	50/100	0.97
T341AH/AA200	2	51	2.64	67	270	20	50/100	1.44

*T341AA/AH 1 1/4", 1 1/2" & 2" not suitable for "Ship to Shore" service.

REFER TO STEAM HOSE SAFETY FACTS ON PAGE 24.

COUPLING SUGGESTIONS
Steel or malleable iron male insert NPT or female ground joint or washer type with spuds attached with 2 or 4 bolt interlocking clamps.

★ Kuriyama offers a full line of ground joint couplings and clamps. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

★ Universal quick-acting couplings should not be used with steam hose.

T343AH Series

270 PSI Braided Refinery Steam hose

Warning
Handling steam is very hazardous. If it is not properly controlled it can cause property damage, injury or even death. Selection for the proper application, usage, and maintenance will not only increase hose life but will insure safe operation for the user.

General Applications:

Saturated and superheated steam in applications where an oil resistant cover is needed.

★ **Use with superheated steam will shorten hose life.**

Proper draining of steam hose after each use will increase service life.

★ **Not recommended for washdown applications where detergent or oils are present.**

Construction:

Tube: Black extruded EPDM – heat-resistant. **Not for steam cleaner use.**

Reinforcement: High tensile steel wire braids.

Cover: Red special compound - heat, oil-resistant, ozone and hydrocarbon resistant. Pin-pricked cover to allow venting.

Working Pressure:

Constant Pressure – 18 Bar (270 PSI)

Service Temperature Range:

-40°F (-40°C) to +410°F (+210°C)

Branding:

Embossed brand ALFAGOMMA – ITALY T343 18 BAR (270 PSI) STEAM – DRAIN AFTER USE – QTR/YEAR

Nominal Specifications

Series Number	ID (in)	ID (mm)	OD (in)	OD (mm)	Max Rec. WP (psi)	Min. Bending Radius at 68°F (in)	Standard Length (ft)	Weight (lbs/ft)
T343AH075	3/4	19	1.22	31	270	7 1/2	50/100	0.54
T343AH100	1	25	1.50	38	270	10	50/100	0.66

REFER TO STEAM HOSE SAFETY FACTS ON PAGE 24.

COUPLING SUGGESTIONS

Steel or malleable iron male insert NPT or female ground joint or washer type with spuds attached with 2 or 4 bolt interlocking clamps.

★ Kuriyama offers a full line of ground joint couplings and clamps. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

★ Universal quick-acting couplings should not be used with steam hose.

FDA Liquid Food Transfer

ALFAGOMMA®

T400LL Evolution Series

Replacing T405LL

Multi Food S & D Hose

3-A
COMPLIANT MATERIAL

General Applications:

- Liquid food suction and discharge.
- Alcoholic beverages – wine, beer & spirits up to 75% alcohol content and 150 proof
- Milk tanker collection & unloading-ideal for reel applications
- Hot food-constant operations: liquid food up to 230° F (110° C), fat foods up to 248° F (120° C)
- Fat foods-perfect for animal fats and any vegetable oils
- Hose may be sterilized with 266° F (130° C) steam for 30 minutes or with 5% soda solution.

Construction:

Tube: White NBR rubber specially compounded to satisfy the highest food industry standards. Compliant to FDA and 3A standards. Phthalate free.
Reinforcement: High tensile textile cords with embedded steel helix wire.
Cover: White NBR/PVC abrasion, weather & ozone resistant.

Service Temperature Range:

Liquid foods: -22° F (-30° C) to +230° F (+110° C)
Fat foods: -22° F (-30° C) to +248° F (+120° C)

Branding:

AG -ITALY- 400 EVOLUTION 10 bar (150 psi) MULTI FOOD S&D 110 °C (230°F) FDA 3-A (food symbol)

Nominal Specifications

Series Number	ID (in)	ID (mm)	OD (in)	OD (mm)	Max Rec. WP (psi)	Vacuum HG (in)	Min. Bending Radius at 68°F (in)	Standard Length (ft)	Weight (lbs/ft)
T400LL100	1	25	1.42	36	150	30	2	100	0.56
T400LL125	1 1/4	32	1.69	43	150	30	2 1/2	100	0.68
T400LL150	1 1/2	38	1.93	49	150	30	3	100	0.79
T400LL200	2	51	2.48	63	150	30	4	100	1.07
T400LL250	2 1/2	63	2.99	76	150	27	5	100	1.61
T400LL300	3	76	3.50	89	150	27	6	100	1.94
T400LL400	4	102	4.57	116	150	27	8	100	2.63

CONSULT FOOD HOSE GUIDE FOR MATERIAL COMPATIBILITY ON PAGE 36 OF THE ALFAGOMMA INDUSTRIAL RUBBER HOSE CATALOG.

COUPLING SUGGESTIONS

Quick-Acting or combination nipples attached with single bolt, double bolt, wire or band type clamps.

★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

ALFAGOMMA® FDA Liquid Food Transfer

T400LB Evolution Series

Replacing T405LB

Multi Food S & D Hose

3-A
COMPLIANT MATERIAL

General Applications:

- Liquid food suction and discharge.
- Alcoholic beverages – wine, beer & spirits up to 75% alcohol content and 150 proof
- Milk tanker collection & unloading-ideal for reel applications
- Hot food-constant operations: liquid food up to 230° F (110° C), fat foods up to 248° F (120° C)
- Fat foods-perfect for animal fats and any vegetable oils
- Hose may be sterilized with 266° F (130° C) steam for 30 minutes or with 5% soda solution.

Construction:

Tube: White NBR rubber specially compounded to satisfy the highest food industry standards. Compliant to FDA and 3A standards. Phthalate free.
Reinforcement: High tensile textile cords with embedded steel helix wire.
Cover: Grey NBR/PVC abrasion, weather & ozone resistant.

Service Temperature Range:

Liquid foods: -22° F (-30° C) to +230° F (+110° C)
Fat foods: -22° F (-30° C) to +248° F (+120° C)

Branding:

AG -ITALY- 400 EVOLUTION 10 bar (150 psi) MULTI FOOD S&D 110 °C (230°F) FDA 3-A (food symbol)

Nominal Specifications

Series Number	ID (in)	ID (mm)	OD (in)	OD (mm)	Max Rec. WP (psi)	Vacuum HG (in)	Min. Bending Radius at 68°F (in)	Standard Length (ft)	Weight (lbs/ft)
T400LB125	1 1/4	32	1.69	43	150	30	2 1/2	100	0.68
T400LB150	1 1/2	38	1.93	49	150	30	3	100	0.79
T400LB200	2	51	2.48	63	150	30	4	100	1.07
T400LB250	2 1/2	63	2.99	76	150	27	5	100	1.61
T400LB300	3	76	3.50	89	150	27	6	100	1.94
T400LB400	4	102	4.57	116	150	27	8	100	2.63

CONSULT FOOD HOSE GUIDE FOR MATERIAL COMPATIBILITY ON PAGE 36 OF THE ALFAGOMMA INDUSTRIAL RUBBER HOSE CATALOG.

COUPLING SUGGESTIONS
Quick-Acting or combination nipples attached with single bolt, double bolt, wire or band type clamps.

★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

FDA Liquid Food Transfer

ALFAGOMMA®

T410LL Series
240 PSI Food & Beverage S & D Hose – Crush Resistant

3-A
COMPLIANT MATERIAL

General Applications:
Food and alcoholic beverage suction and discharge. Specially designed for wine, beer and spirits, up to 190 proof or 95% alcohol content*.
Hose may be sterilized with steam at 226°F (+130°C) for 30 minutes or with 5% soda solution.
★ **Not recommended for dry abrasive materials.**

Construction:
Tube: White nontoxic CIIR. Meets FDA and 3A (18-03) requirements.
Reinforcement: High tensile textile cords with embedded PET helix.
Cover: White EPDM – abrasion and ozone resistant.

Working Pressure:
Constant Pressure – 16 Bar (240 PSI)

Service Temperature Range:
-22°F (-30°C) to +226°F (+108°C)

Branding:
ALFAGOMMA – ITALY T410 16 BAR (240 PSI) – FOOD SUCTION & DELIVERY – CRUSH RESISTANT (in black letters)

**This correction is to rectify the relationship between the unit proof and % alcohol content in the U.S. system. The alcohol content % = 0.5 x Proof. There are discrepancies between proof and % alcohol content as it differs from country to country. Calculations for the U.S. are shown here. EXAMPLE: Proof is a method of measuring the alcohol content of spirits. A spirits' product that has a 40% alcohol content by volume is 80 proof [40 multiplied by 2 = 80].*

Nominal Specifications

Series Number	ID (in)	ID (mm)	OD (in)	OD (mm)	Max Rec. WP (psi)	Vacuum HG (in)	Min. Bending Radius at 68°F (in)	Standard Length (ft)	Weight (lbs/ft)
T410LL100	1	25	1.46	37	240	30	4	100	0.60
T410LL150	1 1/2	38	2.05	52	240	30	6	100	1.00
T410LL200	2	51	2.56	65	240	30	8	100	1.29
T410LL300	3	76	3.62	92	240	30	12	100	2.23

CONSULT FOOD HOSE GUIDE FOR MATERIAL COMPATIBILITY ON PAGE 36.

COUPLING SUGGESTIONS
Quick-Acting couplings attached with bands.

★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

ALFAGOMMA® FDA Liquid Food Transfer

T410LB Series
240 PSI Food & Beverage S & D Hose – Crush Resistant

3-A
COMPLIANT MATERIAL

General Applications:
Food and alcoholic beverage suction and discharge. Specially designed for wine, beer and spirits, up to 190 proof or 95% alcohol content*.
Hose may be sterilized with steam at 226°F (+130°C) for 30 minutes or with 5% soda solution.
★ **Not recommended for dry abrasive materials.**

Construction:
Tube: White nontoxic CIIR. Meets FDA and 3A (18-03)requirements.
Reinforcement: High tensile textile cords with embedded ***PET*** helix.
Cover: Gray EPDM – abrasion and ozone resistant.

Working Pressure:
Constant Pressure – 16 Bar (240 PSI)

Service Temperature Range:
-22°F (-30°C) to +226°F (+108°C)

Branding:
ALFAGOMMA – ITALY T410 16 BAR (240 PSI) – FOOD SUCTION & DELIVERY – CRUSH RESISTANT (in black letters)

**This correction is to rectify the relationship between the unit proof and % alcohol content in the U.S. system. The alcohol content % = 0.5 x Proof. There are discrepancies between proof and % alcohol content as it differs from country to country. Calculations for the U.S. are shown here. EXAMPLE: Proof is a method of measuring the alcohol content of spirits. A spirits' product that has a 40% alcohol content by volume is 80 proof [40 multiplied by 2 = 80].*

Nominal Specifications

Series Number	ID (in)	ID (mm)	OD (in)	OD (mm)	Max Rec. WP (psi)	Vacuum HG (in)	Min. Bending Radius at 68°F (in)	Standard Length (ft)	Weight (lbs/ft)
T410LB100	1	25	1.46	37	240	30	5	100	0.60
T410LB200	2	51	2.56	65	240	30	8	100	1.29
T410LB300	3	76	3.62	92	240	30	12	100	2.23

CONSULT FOOD HOSE GUIDE FOR MATERIAL COMPATIBILITY ON PAGE 36.

COUPLING SUGGESTIONS
Quick-Acting couplings attached with bands.

★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

FDA Liquid Food Transfer

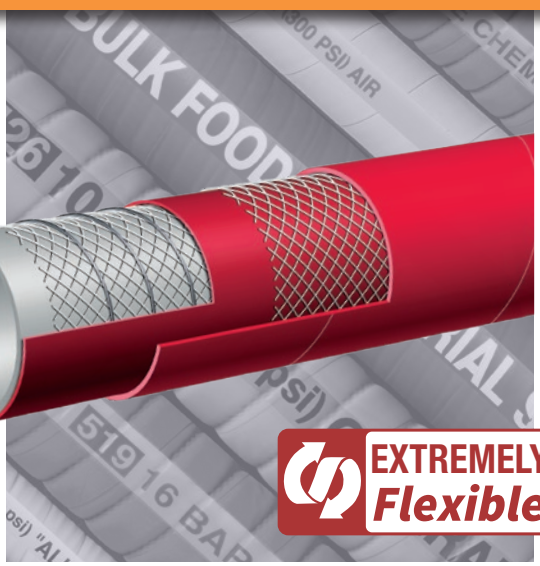
ALFAGOMMA®

THE BREWT™

T422LH Series

Liquid S&D Brewery Hose

3-A COMPLIANT MATERIAL



General Applications:

- Brewery suction and discharge.
- Liquid food and alcoholic beverage suction and discharge, up to 190 proof or 95% alcohol content*.
- Versatile hose for applications requiring superb flexibility and light weight, while still maintaining high strength and durability.

**This correction is to rectify the relationship between the unit proof and % alcohol content in the U.S. system. The alcohol content % = 0.5 x Proof. There are discrepancies between proof and % alcohol content as it differs from country to country. Calculations for the U.S. are shown here. EXAMPLE: Proof is a method of measuring the alcohol content of spirits. A spirits' product that has a 40% alcohol content by volume is 80 proof [40 multiplied by 2 = 80].*

Construction:

Tube: White Chlorobutyl meeting 3A (18-03) and FDA requirements.

Reinforcement: High tensile textile cords with specially designed embedded helix wires.

Cover: Red smooth NR/EPDM blend for abrasion and ozone resistance.

Service Temperature Range:

-22°F (-30°C) to +226°F (+108°C)

Branding:

ALFAGOMMA ITALY 422 10 bar (150 psi) BREWERY S&D (brewt logo) – extra flexible – FDA (white letters)

Features and Advantages:

- **Extreme Flexibility** – Uniquely designed for maximum flexibility, bends easily around brewery equipment and works well in tight spaces.
- **Lightweight** – Up to 25% lighter weight than similar rubber hoses, while still maintaining 150 PSI working pressure.
- **High Heat Resistance** - Chlorobutyl tube capable of handling +226°F (+108°C) on a continuous basis. Allows for sterilization with +266°F (+130°C) steam for 30 minutes or with 5% soda solution.
- **High Purity Tube** - Will not impart odor or taste.
- **Smooth Cover** – Designed for easy cleaning, no gaps or crevices for dirt or bacteria to hide. Also provides a smooth surface for clamping.

Nominal Specifications

Series No.	ID		OD		Max. Rec. WP (psi)	Vacuum HG (in)	Min. Bend Radius at 68°F (in)	Standard Length Coils (ft)	Weight (lbs/ft)
	(in)	(mm)	(in)	(mm)					
T422LH100	1	25	1.54	39	150	30	2	100	0.66
T422LH125	1 1/4	32	1.81	46	150	30	2 1/2	100	0.81
T422LH150	1 1/2	38	2.05	52	150	30	3	100	0.93
T422LH200	2	51	2.56	65	150	30	4	100	1.21
T422LH250	2 1/2	63	3.11	79	150	30	5	100	1.81
T422LH300	3	76	3.62	92	150	27	6	100	2.30
T422LH400	4	102	4.64	118	150	27	8	100	3.01

CONSULT FOOD HOSE GUIDE FOR MATERIAL COMPATIBILITY ON PAGE 36.

ALFAGOMMA® FDA Liquid Food Transfer

T426LB Series
150 PSI Grey Food S &D Hose CORRUGATED

3-A
COMPLIANT MATERIAL

General Applications:
Liquid, fatty, oily food and alcoholic beverage, max 150 proof and 75% alcohol content, suction and discharge.
Hose may be sterilized with 5% soda solution.
★ **Not recommended for dry abrasive materials.**

Construction:
Tube: White NBR. Meets FDA and 3A (18-03) requirements.
Reinforcement: High tensile textile cords with flexible steel helix wire.
Cover: Gray NBR/PVC – abrasion, ozone and oil resistant.

Working Pressure:
Constant Pressure – 10 Bar (150 PSI)

Service Temperature Range:
-22°F (-30°C) to +176°F (+80°C)

Branding:
ALFAGOMMA – ITALY T426 10 BAR (150 PSI) – GENERAL PURPOSE FOOD QUALITY – S & D (black letters)

**This correction is to rectify the relationship between the unit proof and % alcohol content in the U.S. system. The alcohol content % = 0.5 x Proof. There are discrepancies between proof and % alcohol content as it differs from country to country. Calculations for the U.S. are shown here. EXAMPLE: Proof is a method of measuring the alcohol content of spirits. A spirits' product that has a 40% alcohol content by volume is 80 proof [40 multiplied by 2 = 80].*

Nominal Specifications

Series Number	ID (in)	ID (mm)	OD (in)	OD (mm)	Max Rec. WP (psi)	Vacuum HG (in)	Min. Bending Radius at 68°F (in)	Standard Length (ft)	Weight (lbs/ft)
T426LB300	3	76	3.62	92	150	30	6	100	1.84
T426LB400	4	102	4.65	118	150	30	8	100	2.69

CONSULT FOOD HOSE GUIDE FOR MATERIAL COMPATIBILITY ON PAGE 36.

COUPLING SUGGESTIONS
Quick-Acting or combination nipples attached with single bolt, double bolt, wire or band type clamps.

★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

FDA Liquid Food Transfer ALFAGOMMA®

T455LL Series
150 PSI Food Discharge Hose

3-A
COMPLIANT MATERIAL

General Applications:
Discharge of liquid, fatty, oily foods and alcoholic beverages, max 150 proof and 75% alcohol content.
Hose may be sterilized with 5% soda solution.
★ **Not recommended for dry abrasive materials.**

Construction:
Tube: White NBR. Meets FDA and 3A (18-03) requirements.
Reinforcement: High tensile textile cords.
Cover: White NBR/PVC blend – abrasion, ozone and oil resistant.

Working Pressure:
Constant Pressure – 10 Bar (150 PSI)

Service Temperature Range:
-22°F (-30°C) to +176°F (+80°C)

Branding:
ALFAGOMMA – ITALY T455 10 BAR (150 PSI) – GENERAL PURPOSE FOOD TRANSFER (in black letters)

**This correction is to rectify the relationship between the unit proof and % alcohol content in the U.S. system. The alcohol content % = 0.5 x Proof. There are discrepancies between proof and % alcohol content as it differs from country to country. Calculations for the U.S. are shown here. EXAMPLE: Proof is a method of measuring the alcohol content of spirits. A spirits' product that has a 40% alcohol content by volume is 80 proof [40 multiplied by 2 = 80].*

Nominal Specifications

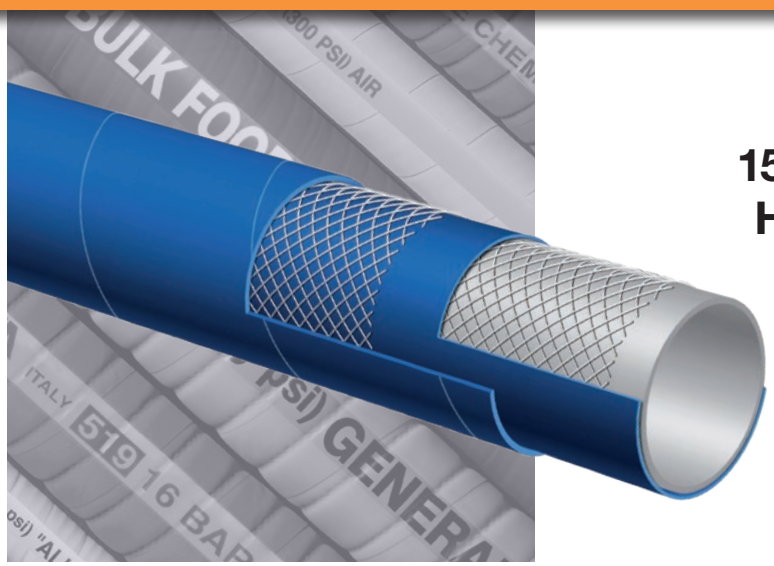
Series Number	ID (in)	ID (mm)	OD (in)	OD (mm)	Max Rec. WP (psi)	Standard Length (ft)	Weight (lbs/ft)
T455LL150	1 1/2	38	1.89	48	150	100	0.60
T455LL200	2	51	2.48	63	150	100	0.95
T455LL300	3	76	3.46	88	150	100	1.38

CONSULT FOOD HOSE GUIDE FOR MATERIAL COMPATIBILITY ON PAGE 36.

COUPLING SUGGESTIONS
Quick-Acting couplings attached with bands.

★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

ALFAGOMMA® FDA Liquid Food Transfer



T452LE Series
150 PSI Potable Water Hose
Hose is not NSF Approved

3-A
COMPLIANT MATERIAL

General Applications:
Discharge of water used for drinking. Most often used for temporary water lines in construction and industrial applications.

Construction:
Tube: White NR. Meets FDA and 3A (18-03) requirements.
Reinforcement: High tensile textile cords.
Cover: Blue SBR/EPDM blend – abrasion and ozone resistant.

Working Pressure:
Constant Pressure – 10 Bar (150 PSI)

Service Temperature Range:
-22°F (-30°C) to +176°F (+80°C)

Branding:
ALFAGOMMA – ITALY T452 10 BAR POTABLE WATER HOSE (150 PSI) WP (in white letters)

Nominal Specifications

Series Number	ID (in)	ID (mm)	OD (in)	OD (mm)	Max Rec. WP (psi)	Standard Length (ft)	Weight (lbs/ft)
T452LE150	1 1/2	38	1.97	50	150	100	0.73
T452LE200	2	51	2.56	65	150	100	1.13
T452LE300	3	76	3.62	92	150	100	1.88
T452LE400	4	102	4.65	118	150	100	2.51

CONSULT FOOD HOSE GUIDE FOR MATERIAL COMPATIBILITY ON PAGE 36.

COUPLING SUGGESTIONS
Quick-Acting couplings attached with bands.

★ Kuriyama offers a full line of Quick-Acting couplings. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

FDA Liquid Compatibility Guide

ALFAGOMMA®

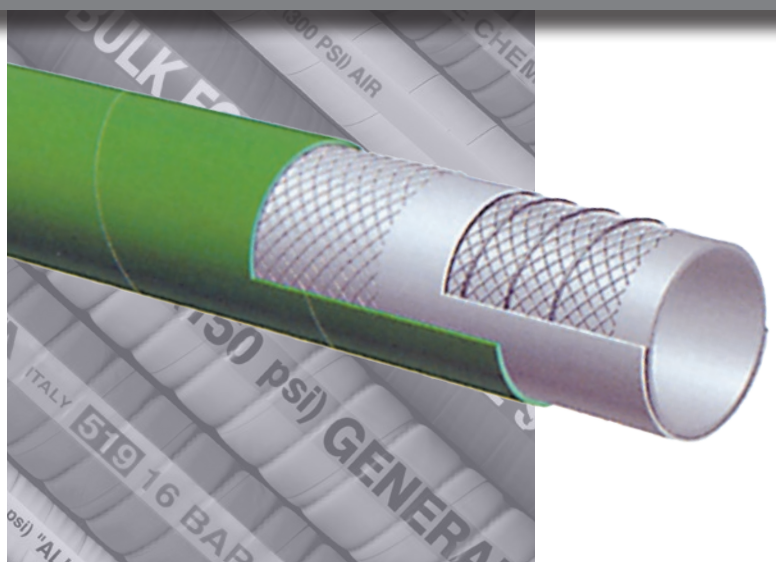
The following data is based on tests and believed to be reliable; however, we emphasize that the tabulation should be used as a guide only, since it does not take into consideration all variables such as elevated temperatures, fluid contamination, concentration, etc. that may be encountered in actual use. All critical applications should be tested. Contact ALFAGOMMA for recommendation and assistance.

KEY TO FDA LIQUID MATERIAL COMPATIBILITY CHART

Key to General Chemical Resistance Chart [all data based on 20°C (68°F) unless noted]:
E – Excellent; G – Good; F – Fair; C – Conditional; I – Insufficient Data; X – Not Recommended; Blank – No Data

Alfagomma® hoses are produced using silicone free release agents.

FOOD	NATURAL RUBBER	CHLOROBUTYL	EPDM	NBR
BEER	F	G	E	E
BEET SUGAR, GRANULAR	E	X	G	E
BUTTERMILK	X	F	G	E
CANE SUGAR, GRANULAR	E	X	G	G
CASHEW NUT OIL	X	F	G	
CASTOR OIL	X	F	G	E
CITRIC ACID	E	E	E	E
COCOA BUTTER	X	F	G	G
COCONUT OIL	X	F	G	E
CORN OIL	X	F	G	E
COTTONSEED OIL	X	F	G	E
ETHANOL (GRAIN ALCOHOL)	F	G	E	E
FISH MEAL				
FLOUR	E	X	G	
GRAPE JUICE	F	G	E	G
LACTIC ACID	F	F	G	E
LARD OIL	X	F	G	E
LINSEED OIL	X	F	G	E
LIQUOR (SPIRITS)	F	G	E	G
MILK	E	E	E	E
MINERAL OIL	X	X	X	E
MOLASSES	E	E	E	E
OLEIC ACID	X	F	G	F
OLIVE OIL	X	F	G	E
PALMITIC ACID	X	F	G	E
PARAFFINS	X	X	X	E
PEANUT OIL	X	F	G	E
POTATO FLOUR	E	X	G	
SALT, GRANULAR	E	X	G	E
SOYBEAN OIL	X	F	G	E
SUCROSE, GRANULATED	E	X	G	G
SUGAR, GRANULATED	E	X	G	F
SUGAR SYRUP	E	E	E	F
TALLOW	X	X		E
TOMATO JUICE, PASTE & PUREE SAUCE	E	E	E	G
VEGETABLE OILS	X	F	G	E
VINEGAR	F	F	G	F
WATER, POTABLE	E	E	E	E
WHISKEY	F	G	E	E
WINES	F	G	E	E



T720LG Series
Bulk Food S & D Hose

General Applications:
Suction and discharge of wet or dry abrasive materials. Designed for grains, flour and pellet transfer.

Construction:
Tube: Natural white gum rubber 3/16" thick. Meets FDA requirements.
Reinforcement: Spiraled high tensile textile cords with flexible steel helix wire and static wire.
Cover: Green SBR/EPDM blend – abrasion and ozone resistant.

Working Pressure:
Constant Pressure –
10 Bar (150 PSI) for 2", 3", 4"
5 Bar (75 PSI) for 5", 6", 8"

Service Temperature Range:
-22°F (-30°C) to +176°F (+80°C)

Branding:
ALFAGOMMA – ITALY T720 – BULK FOOD & MATERIAL – S & D (in white letters)

Nominal Specifications

Series Number	ID (in)	ID (mm)	OD (in)	OD (mm)	Max Rec. WP (psi)	Vacuum HG (in)	Min. Bending Radius at 68°F (in)	Standard Length (ft)	Weight (lbs/ft)
T720LG200	2	51	2.64	67	150	30	6	100	1.23
T720LG300	3	76	3.62	92	150	27	9	100	1.91
T720LG400	4	102	4.65	118	150	27	12	50/100	2.63
T720LG500	5	127	5.71	145	75	24	20	20/50	3.81
T720LG600	6	152	6.69	170	75	24	24	20/50	4.72
T720LG800	8	203	8.78	223	75	21	32	20	7.01

★ Please note: Proper grounding of static wire will prolong tube life.

CONSULT FOOD HOSE GUIDE FOR MATERIAL COMPATIBILITY ON PAGE 36.

COUPLING SUGGESTIONS
Quick-Acting, pin lug, short shank couplings or combination nipples attached with single bolt, double bolt, wire or band type clamps.

★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

ALFAGOMMA®

T714LG Series

Material Handling Hose

FDA Grade CORRUGATED

General Applications:
For suction or discharge of wet or dry abrasive materials. Suitable for handling materials for human consumption.

Construction:
Tube: Natural white gum rubber 3/16" thick. Meets FDA requirements.
Reinforcement: Spiraled high tensile textile cords with flexible steel helix wire and static wire.
Cover: Green corrugated Nat/SBR blend rubber.

Working Pressure:
Constant Pressure – 5 Bar (75 PSI)

Service Temperature Range:
-22°F (-30°C) to +176°F (+80°C)

Branding:
ALFAGOMMA – ITALY T714 – 5 Bar (75 PSI) – BULK FOOD & MATERIAL – S & D (in white letters)

Nominal Specifications

Series Number	ID (in)	ID (mm)	OD (in)	OD (mm)	Max Rec. WP (psi)	Vacuum HG (in)	Min. Bending Radius at 68°F (in)	Standard Length (ft)	Weight (lbs/ft)
T714LG500	5	127	5.63	143	75	24	12.5	20/50	3.8
T714LG600	6	152	6.85	174	75	24	24	20/50	4.75
T714LG800	8	203	8.94	227	75	21	32	20	7.01

★ Please note: Proper grounding of static wire will prolong tube life.

CONSULT FOOD HOSE GUIDE FOR MATERIAL COMPATIBILITY ON PAGE 36.

COUPLING SUGGESTIONS
Quick-Acting, pin lug, short shank couplings or combination nipples attached with single bolt, double bolt, wire or band type clamps.

★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

T760LE Series

75 PSI Dry Bulk Food Discharge Hose

General Applications:
Discharge or delivery of dry bulk food products.

Construction:
Tube: 3/16" white NR – abrasion resistant. Meets FDA requirements.
Reinforcement: Spiraled high tensile textile cords with static wire.
Cover: Blue SBR/EPDM – abrasion and ozone resistant.

Working Pressure:
Constant Pressure – 5 Bar (75 PSI)

Service Temperature Range:
-22°F (-30°C) to +176°F (+80°C)

Branding:
ALFAGOMMA – ITALY T760 5 BAR (75 PSI) – BULK FOOD & MATERIAL DELIVERY (in white letters)

Nominal Specifications

Series Number	ID (in)	ID (mm)	OD (in)	OD (mm)	Max Rec. WP (psi)	Standard Length (ft)	Weight (lbs/ft)
T760LE400	4	102	4.65	118	75	100	2.12

★ Please note: Proper grounding of static wire will prolong tube life.

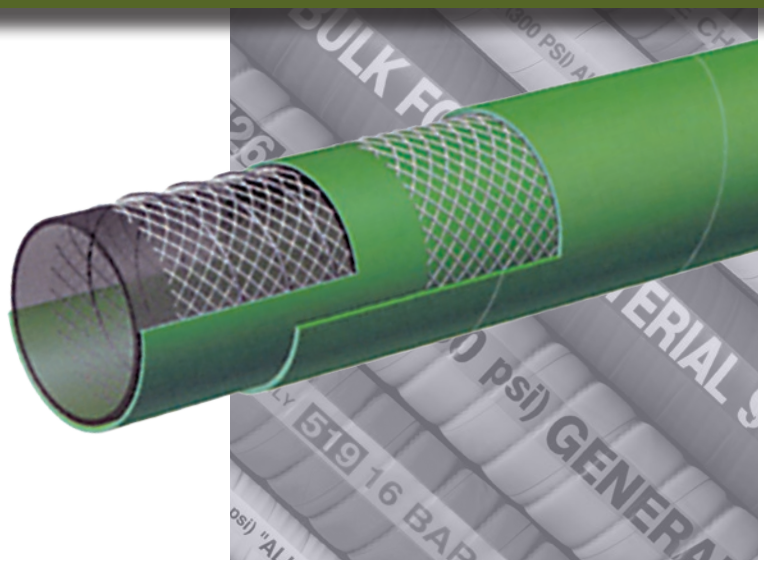
CONSULT FOOD HOSE GUIDE FOR MATERIAL COMPATIBILITY ON PAGE 36.

COUPLING SUGGESTIONS
Quick-Acting coupling attached with bands.

★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

ALFAGOMMA®

T5050G Series
Acid – Chemical S & D
240 PSI – XLPE



Warning
Before using chemical hoses consult chemical resistance chart or consult factory.

General Applications:
Suction and transfer service for a variety of chemicals and solvents. Will handle 90% of existing chemicals. See Chemical Resistance Chart on pages 78 – 87.

Construction:
Tube: Transparent XLPE (cross-linked polyethylene).
Reinforcement: High tensile textile cords with flexible steel helix wire.
Cover: Green EPDM – abrasion and ozone resistant.

Working Pressure:
Constant Pressure – 16 Bar (240 PSI)

Service Temperature Range:
Normal recommended operating temperature is -22°F (-30°C) to +176°F (+80°C)

Branding:
ALFAGOMMA – ITALY T505 16 BAR (240 PSI) – XLPE CHEMICAL – S & D (in orange letters)

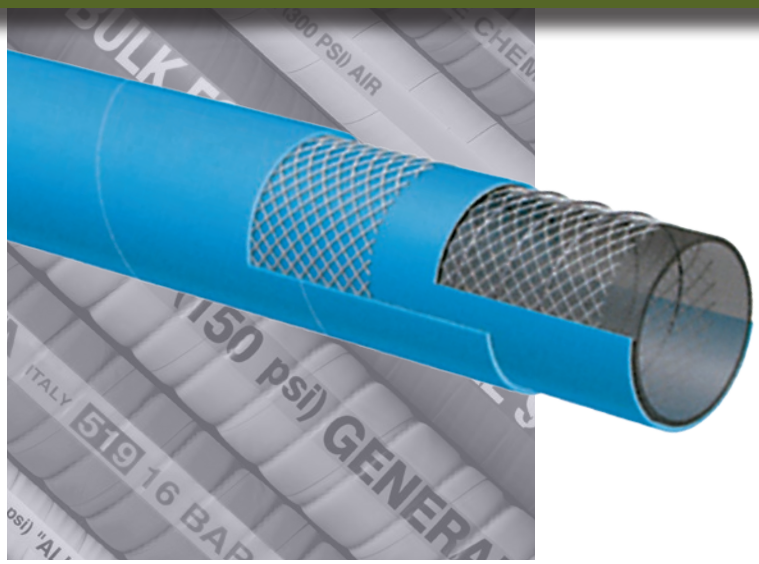
IT IS ADVISABLE TO TEST THE TUBE MATERIAL UNDER ACTUAL SERVICE CONDITIONS PRIOR TO USE.
NOTE: FOR MAXIMUM SERVICE LIFE, WE RECOMMEND THAT T505 HOSE BE FLUSHED OUT AFTER EVERY USE.

Nominal Specifications

Series Number	ID (in)	ID (mm)	OD (in)	OD (mm)	Max Rec. WP (psi)	Vacuum HG (in)	Min. Bending Radius at 68°F (in)	Standard Length (ft)	Weight (lbs/ft)
T5050G075	3/4	19	1.22	31	240	27	7 1/2	100	0.46
T5050G100	1	25	1.46	37	240	27	9	100	0.56
T5050G150	1 1/2	38	1.97	50	240	27	13 1/4	100	0.76
T5050G200	2	51	2.48	63	240	27	16 1/4	100	1.00
T5050G300	3	76	3.62	92	240	24	20 3/4	100	1.83
T5050G400	4	102	4.65	118	240	24	26 1/2	100	2.50

COUPLING SUGGESTIONS
Quick-Acting and combination nipples, preferably stainless steel, attached with bands.

★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.



T5090E Series

Acid – Chemical S & D
240 PSI – UHMWPE
Meets FDA Requirements
Suitable for use with DEF

Warning
Before using chemical hoses consult chemical resistance chart or consult factory.

General Applications:
Suction and transfer service for a variety of chemicals and acids. Will handle 98% of EXISTING CHEMICALS. See Chemical Resistance Chart on pages 78 – 87.

Construction:
Tube: Transparent UHMWPE (Ultra High Molecular Weight Polyethylene).
Reinforcement: Synthetic textile cords with flexible steel helix wire.
Cover: Blue EPDM – abrasion and ozone resistant.

Working Pressure:
Constant Pressure – 16 Bar (240 PSI)

Service Temperature Range:
Normal recommended operating temperature is -22°F (-30°C) to +200°F (+93°C)

Branding:
ALFAGOMMA – ITALY T509 16 BAR (240 PSI) – UHMWPE CHEMICAL – S & D (in orange letters)

IT IS ADVISABLE TO TEST THE TUBE MATERIAL UNDER ACTUAL SERVICE CONDITIONS PRIOR TO USE.
NOTE: FOR MAXIMUM SERVICE LIFE, WE RECOMMEND THAT T509 HOSE BE FLUSHED OUT AFTER EVERY USE.

Nominal Specifications

Series Number	ID (in)	ID (mm)	OD (in)	OD (mm)	Max Rec. WP (psi)	Vacuum HG (in)	Min. Bending Radius at 68°F (in)	Standard Length (ft)	Weight (lbs/ft)
T5090E075	3/4	19	1.22	31	240	27	7 1/2	100	0.41
T5090E100	1	25	1.46	37	240	27	9	100	0.50
T5090E125	1 1/4	32	1.73	44	240	27	10 1/4	100	0.60
T5090E150	1 1/2	38	1.97	50	240	27	13 1/4	100	0.68
T5090E200	2	51	2.48	63	240	27	16 1/4	100	0.91
T5090E250	2 1/2	63	3.03	77	240	27	17 1/2	100	1.40
T5090E300	3	76	3.62	92	240	24	20 3/4	100	1.91
T5090E400	4	102	4.65	118	240	24	26 1/2	100	2.61
T5090E600	6	152	6.77	172	240	24	40	100	5.28

COUPLING SUGGESTIONS
Quick-Acting and combination nipples, preferably stainless steel, attached with bands.

★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

ALFAGOMMA®

T519OE Series

Acid – Chemical S & D
240 PSI – UHMWPE – Corrugated
Suitable for use with DEF

CORRUGATED

General Applications:
Suction and transfer service for a variety of chemicals and acids. Will handle 98% of EXISTING CHEMICALS. See Chemical Resistance Chart on pages 78 – 87.

Construction:
Tube: Transparent UHMWPE (Ultra High Molecular Weight Polyethylene).
Reinforcement: Synthetic textile cords with flexible steel helix wire.
Cover: Blue EPDM – abrasion and ozone resistant.

Service Temperature Range:
Normal recommended operating temperature is -22°F (-30°C) to +200°F (+93°C)

Branding:
ALFAGOMMA – ITALY T519 16 BAR (240 PSI) – UHMWPE CHEMICAL – S & D (in orange letters)

IT IS ADVISABLE TO TEST THE TUBE MATERIAL UNDER ACTUAL SERVICE CONDITIONS PRIOR TO USE.
NOTE: FOR MAXIMUM SERVICE LIFE, WE RECOMMEND THAT T509 HOSE BE FLUSHED OUT AFTER EVERY USE.

Nominal Specifications

Series Number	ID (in)	ID (mm)	OD (in)	OD (mm)	Max Rec. WP (psi)	Vacuum HG (in)	Min. Bending Radius at 68°F (in)	Standard Length (ft)	Weight (lbs/ft)
T5190E200	2	51	2.48	63	240	27	6	100	94
T5190E300	3	76	3.54	90	240	27	9	100	169
T5190E400	4	102	4.57	116	240	27	12	100	275

COUPLING SUGGESTIONS
Quick-Acting and combination nipples, preferably stainless steel, attached with bands.

★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

Notes

ALFAGOMMA®

T600AA Series

Hard Wall Marine Exhaust Hose
USCG/SAE J1527 A2/B2

General Applications:
Fuel, oil and hydraulic fluids suction and discharge. Suitable for exhaust gas from water cooled stationary or marine diesel engines. Offers maximum flexibility.

Construction:
Tube: Black NBR – exhaust gas, fuel and fire resistant.
Reinforcement: High tensile textile cords with flexible steel helix wire.
Cover: Black NBR/PVC blend – abrasion, ozone, hydrocarbon and fire resistant.

Working Pressure:
Constant Pressure – 2 Bar (30 PSI)

Service Temperature Range:
-4°F (-20°C) to +212°F (+100°C)

Branding:
ALFAGOMMA – ITALY T600 MARINE EXHAUST/ FUEL S & D – <SIZE> – USCG/SAE J1527 TYPE A2 (in red letters)

Nominal Specifications

Series Number	ID (in)	ID (mm)	OD (in)	OD (mm)	Max Rec. WP (psi)	Vacuum HG (in)	Min. Bending Radius at 68°F (in)	Standard Length (ft)	Weight (lbs/ft)
T600AA062	5/8	16	1.02	26	30	30	2	25/50	0.36
T600AA075	3/4	19	1.14	29	30	30	2 1/4	25/50	0.44
T600AA087	7/8	22	1.26	32	30	30	2 3/4	25/50	0.50
T600AA100	1	25	1.38	35	30	30	3	25/50	0.56
T600AA112	1 1/8	28	1.50	38	30	30	3 1/4	25/50	0.60
T600AA125	1 1/4	32	1.65	42	30	30	3 3/4	25/50	0.65
T600AA137	1 3/8	35	1.77	45	30	30	4 1/4	25/50	0.70
T600AA150	1 1/2	38	1.89	48	30	30	4 1/2	25/50	0.76
T600AA162	1 5/8	42	2.17	52	30	30	5	25/50	0.81
T600AA175	1 3/4	45	2.16	55	30	30	5 1/4	25/50	0.87
T600AA189	1 7/8	48	2.28	58	30	30	5 3/4	25/50	0.91
T600AA200	2	51	2.40	61	30	30	6	25/50	0.99
T600AA225	2 1/4	57	2.64	67	30	30	6 3/4	25/50	1.09
T600AA238	2 3/8	60	2.76	70	30	27	7	25/50	1.25
T600AA250	2 1/2	63	2.87	73	30	27	7 1/2	25/50	1.31

continued

T600AA Series *(continued)*

Hard Wall Marine Exhaust Hose
USCG/SAE J1527 A2/B2

Nominal Specifications

Series Number	ID (in)	ID (mm)	OD (in)	OD (mm)	Max Rec. WP (psi)	Vacuum HG (in)	Min. Bending Radius at 68°F (in)	Standard Length (ft)	Weight (lbs/ft)
T600AA275	2 3/4	70	3.11	80	30	27	8 1/4	25/50	1.41
T600AA300	3	76	3.39	86	30	27	9	25/50	1.53
T600AA350	3 1/2	90	3.94	100	30	27	10 1/2	25/50	1.91
T600AA400	4	102	4.41	112	30	27	12	25/50	2.12
T600AA450	4 1/2	115	5.00	127	30	27	13 1/2	25/50	2.72
T600AA500	5	127	5.55	141	30	24	15	25/50	3.04

ALFAGOMMA®

T653AA Series

Soft Wall Marine Exhaust Hose
SAE J2006 R1

General Applications:
Marine wet exhaust and bilge pump connections.

Construction:
Tube: Black Synthetic Rubber.
Reinforcement: High tensile textile cords.
Cover: Black Synthetic Rubber – abrasion, ozone and hydrocarbon resistant.

Working Pressure:
Constant Pressure – 5 Bar (75 PSI)

Service Temperature Range:
-22°F (-30°C) to +212°F (+100°C)

Branding:
ALFAGOMMA – ITALY – T653 SOFT WALL MARINE WET EXHAUST SAE J2006 R1 <SIZE> <YYYY MFG> (in blue letters)

Nominal Specifications

Series Number	ID (in)	ID (mm)	OD (in)	OD (mm)	Max Rec. WP (psi)	Standard Length (ft)	Weight (lbs/ft)
T653AA100	1	25	1.38	35	75	12.5	0.43
T653AA112	1 1/8	28	1.50	38	75	12.5	0.47
T653AA125	1 1/4	32	1.65	42	75	12.5	0.52
T653AA137	1 3/8	35	1.77	45	75	12.5	0.56
T653AA150	1 1/2	38	1.89	48	75	12.5	0.61
T653AA162	1 5/8	42	2.05	52	75	12.5	0.66
T653AA175	1 3/4	45	2.17	55	75	12.5	0.70
T653AA189	1 7/8	48	2.28	58	75	12.5	0.75
T653AA200	2	51	2.48	63	75	12.5	0.97
T653AA225	2 1/4	57	2.72	69	75	12.5	1.07
T653AA238	2 3/8	60	2.91	74	75	12.5	1.31
T653AA250	2 1/2	63	3.03	77	75	12.5	1.37
T653AA300	3	76	3.54	90	75	12.5	1.64
T653AA350	3 1/2	90	4.09	104	75	12.5	1.95
T653AA400	4	102	4.57	116	75	12.5	2.18

continued

T653AA Series *(continued)*

Soft Wall Marine Exhaust Hose
SAE J2006 R1

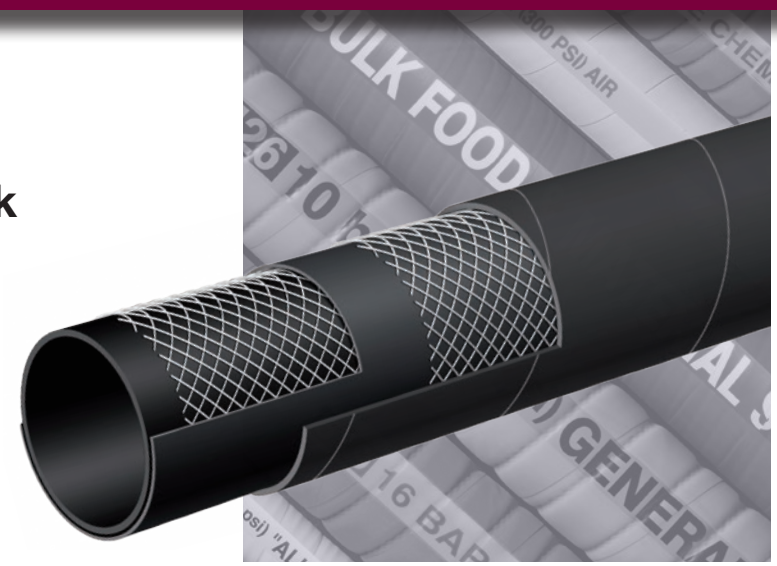
Nominal Specifications

Series Number	ID (in)	ID (mm)	OD (in)	OD (mm)	Max Rec. WP (psi)	Standard Length (ft)	Weight (lbs/ft)
T653AA450	4 1/2	115	5.08	129	75	12.5	2.43
T653AA500	5	127	5.55	141	75	12.5	2.68
T653AA600	6	152	6.61	168	75	12.5	3.26
T653AA662	6 5/8	168	7.24	184	75	12.5	3.57
T653AA800	8	203	8.70	221	75	12.5	4.96

ALFAGOMMA®

T6D1AA Series

400 PSI Oil Rigger / Frack Discharge Hose



General Applications:
Fracking fluids, liquid mud and crude oil delivery in oil field and gas exploration.

Construction
Tube: Black synthetic elastomer.
Reinforcement: High tensile textile cords.
Cover: Black synthetic elastomer – abrasion, oil and ozone resistant.

Working Pressure:
Constant Pressure – 27 Bar (400 PSI)

Service Temperature Range:
-22°F (-30°C) to +176°F (+80°C)

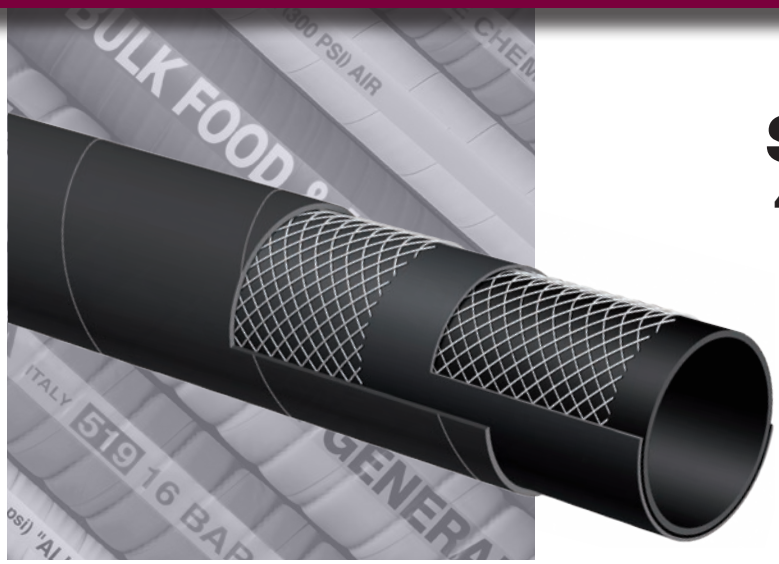
Branding:
ALFAGOMMA – ITALY OIL RIGGER – FRACK 27 BAR (400 PSI) (in blue letters)

Nominal Specifications

Series Number	ID (in)	ID (mm)	OD (in)	OD (mm)	Max Rec. WP (psi)	Standard Length (ft)	Weight (lbs/ft)
T6D1AA400	4	102	4.72	120	400	100	2.89

COUPLING SUGGESTIONS

★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.



ST6D2AA Series

400 PSI Oil Rigger/Frack Discharge Hose with SUPERTUFF Cover

General Applications:
Fracking fluids, liquid mud and crude oil delivery in heavy duty oil field and gas exploration.

Construction:
Tube: Black synthetic elastomer.
Reinforcement: High tensile textile cords.
Cover: Black SUPERTUFF cover – abrasion, oil and ozone resistant.

Working Pressure:
Constant Pressure – 27 Bar (400 PSI)

Service Temperature Range:
-22°F (-30°C) to +176°F (+80°C)

Branding:
ALFAGOMMA – ITALY OIL RIGGER – FRACK 27 BAR (400 PSI) (in blue letters)

Nominal Specifications

Series Number	ID (in)	ID (mm)	OD (in)	OD (mm)	Max Rec. WP (psi)	Standard Length (ft)	Weight (lbs/ft)
ST6D2AA400	4	102	4.72	120	400	100	2.93

COUPLING SUGGESTIONS

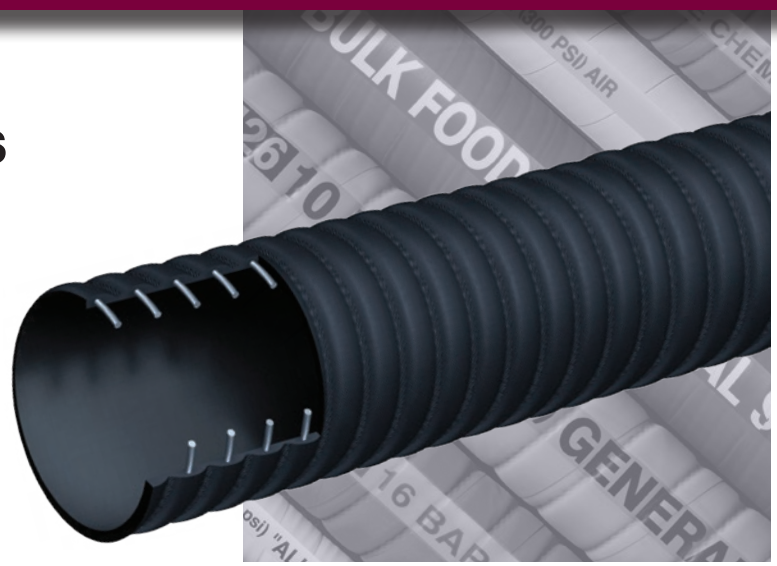
★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

ALFAGOMMA®

CT601AA Series

150 PSI Corrugated Oil Rigger/Oil Field-Frack Tank Hose

CORRUGATED



General Applications:
Oil field vacuum tank service, for handling crude oil, frack solutions and slurries.
Note: For applications up to 35% aromatics. Not for use with refined petroleum products.

Construction:
Tube: Black Nitrile – PVC blend, limited oil resistance, for oil field use.
Reinforcement: High tensile textile cords with flexible steel helix wire.
Cover: Black corrugated SBR – abrasion, ozone, limited oil resistance.

Working Pressure:
Constant Pressure – 10 Bar (150 PSI)

Service Temperature Range:
-22°F (-30°C) to +176°F (+80°C)

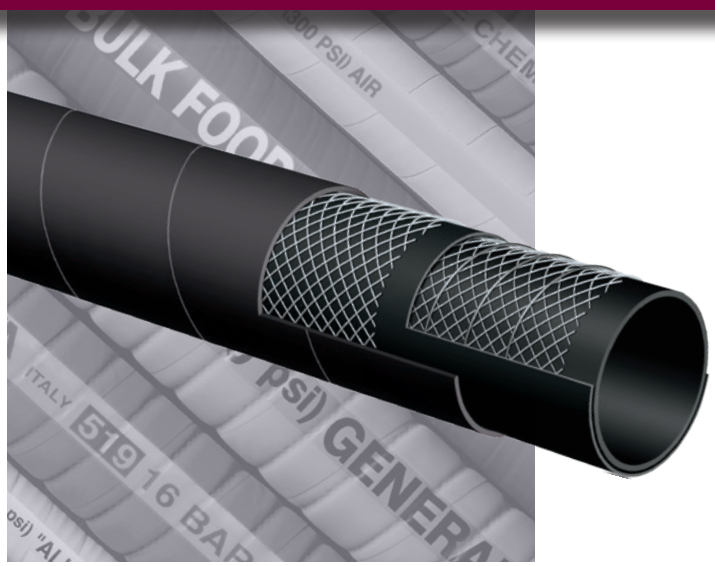
Branding:
ALFAGOMMA – ITALY T6C1 10 BAR (150 PSI)
OIL FIELD-FRACK TANK S & D (in blue letters)

Nominal Specifications

Series Number	ID (in)	ID (mm)	OD (in)	OD (mm)	Max Rec. WP (psi)	Vacuum HG (in)	Min. Bending Radius at 68°F (in)	Standard Length (ft)	Weight (lbs/ft)
CT601AA200	2	51	2.40	61	150	30	6	100	0.86
CT601AA300	3	76	3.46	88	150	27	9	100	1.61
CT601AA400	4	102	4.49	114	150	27	12	100	2.39

COUPLING SUGGESTIONS
Quick-Acting couplings or combination nipples attached with bands.

★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.



T601AA Series

150 PSI Oil Rigger/Oil Field-Frack Tank Hose

General Applications:
Oil field vacuum tank service, for handling crude oil, frack solutions and slurries.
Note: For applications up to 35% aromatics. Not for use with refined petroleum products.

Construction:
Tube: Black Nitrile – PVC blend, limited oil resistance, for oil field use.
Reinforcement: High tensile textile cords with flexible steel helix wire.
Cover: Black SBR – abrasion, ozone, limited oil resistance.

Working Pressure:
Constant Pressure – 10 Bar (150 PSI)

Service Temperature Range:
-22°F (-30°C) to +176°F (+80°C)

Branding:
ALFAGOMMA – ITALY T601 10 BAR (150 PSI) OIL FIELD-FRACK TANK HOSE (in blue letters)

Nominal Specifications

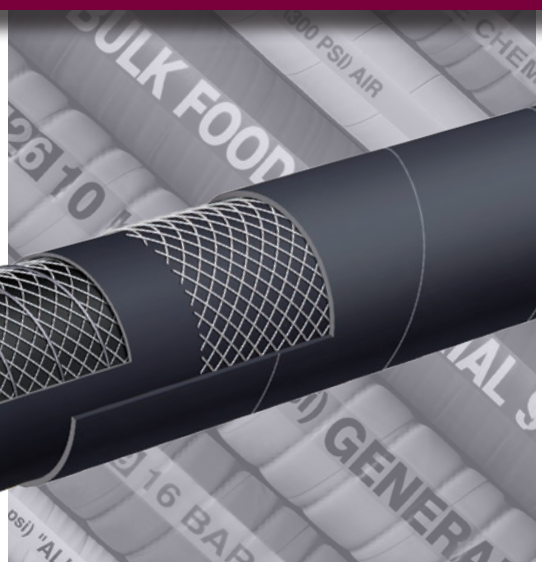
Series Number	ID (in)	ID (mm)	OD (in)	OD (mm)	Max Rec. WP (psi)	Vacuum HG (in)	Min. Bending Radius at 68°F (in)	Standard Length (ft)	Weight (lbs/ft)
T601AA200	2	51	2.40	61	150	30	10	100	0.93
T601AA300	3	76	3.46	88	150	27	15	100	1.73
T601AA400	4	102	4.57	116	150	27	20	100	2.40
T601AA600	6	152	6.61	168	150	24	30	20/100	4.59

COUPLING SUGGESTIONS
Quick-Acting couplings or combination nipples attached with bands.

★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

ALFAGOMMA®

T604AA Series
Flexor – SAE 100 R4 Oil Return Hose



General Applications:
Low pressure return lines or suction lines with half the bend radius requirements of SAE J517 100 R4, service with petroleum based hydraulic fluids, water-glycol and water-fire resistant hydraulic fluids, oil, lubricants, crude oil, fuel oils and water.

Construction:
Tube: Black conductive NBR.
Reinforcement: High tensile textile cords with flexible steel helix wire.
Cover: Black CR – oil, fuel, weather, ozone and abrasion-resistant.

Working Pressure:
Constant Pressure –
17 Bar (250 PSI) 1"
10 Bar (150 PSI) 1 1/2"
20 Bar (300 PSI) 3/4"
14 Bar (200 PSI) 1 1/4"
7 Bar (100 PSI) 2"

Service Temperature Range:
-40° F (-40° C) to +212° F (+100° C) constant operation
Maximum operating temperature: +257° F (+125° C).
Air maximum temperature: 175° F (80° C).
Note: Operating temperatures in excess of 212° F (+100° C) may materially reduce the life of the hose.

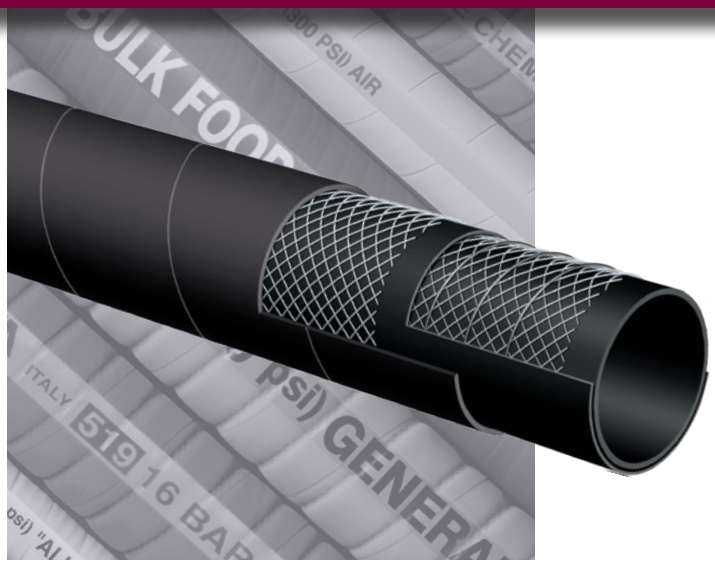
Branding:
ALFAGOMMA – ITALY – T604 (PSI) – SAE 100 R4 – (SIZE) – Date (in white letters)

Nominal Specifications

Series Number	ID (in)	ID (mm)	OD (in)	OD (mm)	Max Rec. WP (psi)	Vacuum HG (in)	Min. Bending Radius at 68°F (in)	Standard Length (ft)	Weight (lbs/ft)
T604AA075	3/4	19	1.14	29	300	30	2 1/4	100	0.41
T604AA100	1	25	1.38	35	250	30	3	100	0.52
T604AA125	1 1/4	32	1.65	42	200	30	3 3/4	100	0.61
T604AA150	1 1/2	38	1.89	48	150	30	4 1/2	100	0.70
T604AA200	2	51	2.40	61	100	30	6	100	0.90

COUPLING SUGGESTIONS
Crimp-on permanent type or combination nipples with bands.
Note: Hose cover does not need to be removed before attaching couplings.

★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.



T605AA Evolution Series

150 PSI Black Petroleum S & D Hose

General Applications:
For suction and discharge applications in truck and tank car transfer of gasoline, oil and other petroleum-based products with up to 50% aromatic content. Also suitable for marine wet exhaust and bilge pump connections.

Construction:
Tube: Black conductive NBR.
Reinforcement: High tensile textile cords with flexible steel helix wire.
Cover: Black CR – abrasion, ozone and hydrocarbon resistant.

NOTE: Exceeds SAE100R4

Working Pressure:
Constant Pressure – 10 Bar (150 PSI)

Service Temperature Range:
-22°F (-30°C) to +176°F (+80°C)

Branding:
ALFAGOMMA – ITALY 605 EVOLUTION– 10 BAR (150 PSI) PETROLEUM – S & D Ω - SAE 100R4 (in red letters)

T605 IS NOT RECOMMENDED FOR USE ON A REEL.

Nominal Specifications

Series Number	ID (in)	ID (mm)	OD (in)	OD (mm)	Max Rec. WP (psi)	Vacuum HG (in)	Min. Bending Radius at 68°F (in)	Standard Length (ft)	Weight (lbs/ft)
T605AA075	3/4	19	1.18	30	150	30	1.5	100	0.40
T605AA100	1	25	1.42	36	150	30	2	100	0.50
T605AA125	1 1/4	32	1.69	43	150	30	2.5	100	0.60
T605AA150	1 1/2	38	1.93	49	150	30	3	100	0.70
T605AA200	2	51	2.44	62	150	30	4	100	0.91
T605AA250	2 1/2	63	2.99	76	150	30	7.5	100	1.40
T605AA300	3	76	3.50	89	150	30	9	100	1.59
T605AA400	4	102	4.57	116	150	30	12	100	2.29
T605AA600	6	152	6.69	170	150	25	24	20/100	4.86
T605AA800	8	203	8.86	225	150	25	32	20	7.74

COUPLING SUGGESTIONS
Quick-Acting, combination nipples attached with bands or internally expanded brass couplings with gasket seal attached with ferrules.

★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

ALFAGOMMA®

6C5AA Series
150 PSI Corrugated Tank Truck Hose

NEW

CORRUGATED

General Applications:
For suction and discharge applications in truck and tank car transfer of gasoline, oil and other petroleum-based products with up to 50% aromatic content.

Construction:
Tube: Black Conductive NBR.
Reinforcement: High tensile textile cords with flexible steel helix wire.
Cover: Black corrugated CR – abrasion, ozone, and hydrocarbon resistant.

Working Pressure:
Constant Pressure – 10 Bar (150 PSI)

Service Temperature Range:
-22°F (-30°C) to +176°F (+80°C)

Branding:
ALFAGOMMA – ITALY T6C5 10 BAR (150 PSI)
PETROLEUM TANK TRUCK (in red letters)

Nominal Specifications

Series Number	ID (in)	ID (mm)	OD (in)	OD (mm)	Max Rec. WP (psi)	Vacuum HG (in)	Min. Bending Radius at 68°F (in)	Standard Length (ft)	Weight (lbs/ft)
6C5AA200	2	51	2.48	63	150	30	4	100	0.85
6C5AA300	3	76	3.44	90	150	27	6	100	1.57
6C5AA400	4	102	4.57	116	150	27	8	100	2.21
6C5AA600	6	152	6.54	166	150	27	12	20	3.59

COUPLING SUGGESTIONS
Quick-Acting couplings or combination nipples attached with bands.

★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

T605AH Series

150 PSI Red Petroleum S & D Hose

General Applications:
For suction and discharge applications in truck and tank car transfer of gasoline, oil and other petroleum-based products with up to 50% aromatic content.

Construction:
Tube: Black conductive NBR.
Reinforcement: High tensile textile cords with flexible steel helix wire.
Cover: Red CR – abrasion, ozone and hydrocarbon resistant.

Working Pressure:
Constant Pressure – 10 Bar (150 PSI)

Service Temperature Range:
-22°F (-30°C) to +176°F (+80°C)

Branding:
ALFAGOMMA – ITALY T605 – 10 BAR (150 PSI)
PETROLEUM – S & D (in yellow letters)

T605 IS NOT RECOMMENDED FOR USE ON A REEL.

Nominal Specifications

Series Number	ID (in)	ID (mm)	OD (in)	OD (mm)	Max Rec. WP (psi)	Vacuum HG (in)	Min. Bending Radius at 68°F (in)	Standard Length (ft)	Weight (lbs/ft)
T605AH150	1 1/2	38	1.89	48	150	30	6	100	0.73
T605AH200	2	51	2.40	61	150	30	8	100	0.94
T605AH300	3	76	3.46	88	150	27	12	100	1.74
T605AH400	4	102	4.57	116	150	27	16	100	2.41

COUPLING SUGGESTIONS
Quick-Acting, combination nipples attached with bands or internally expanded brass couplings with gasket seal attached with ferrules.

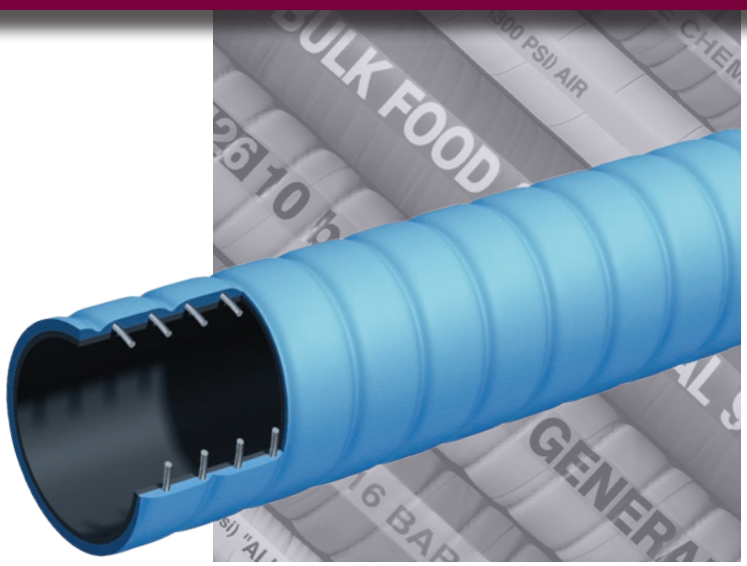
★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

ALFAGOMMA®

T606AE Series

150 PSI Corrugated Petroleum S & D – Arctic Hose

CORRUGATED



General Applications:
For suction and discharge applications in truck and tank car transfer of gasoline, oil and other petroleum-based products with up to 50% aromatic content. Where extreme flexibility is needed in low temperature.

Construction:
Tube: Black conductive NBR.
Reinforcement: High tensile textile cords with flexible steel helix wire.
Cover: Blue corrugated – abrasion, ozone and hydrocarbon resistant.

Working Pressure:
Constant Pressure – 150 PSI

Service Temperature Range:
-65°F (-54°C) to +180°F (+82°C)

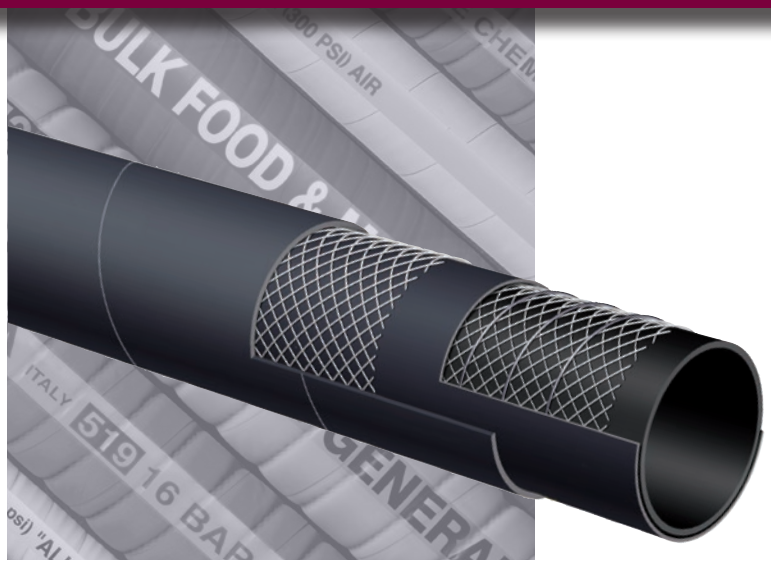
Branding:
ALFAGOMMA – ITALY T606 – 10 BAR (150 PSI)
PETROLEUM – S & D Arctic (in blue letters on yellow layline)

Nominal Specifications

Series Number	ID (in)	ID (mm)	OD (in)	OD (mm)	Max Rec. WP (psi)	Vacuum HG (in)	Min. Bending Radius at 68°F (in)	Standard Length (ft)	Weight (lbs/ft)
T606AE200	2	51	2.48	63	150	30	3	100	1.06
T606AE300	3	76	3.54	90	150	30	4 1/2	100	1.84
T606AE400	4	102	4.57	116	150	30	6	100	2.67

COUPLING SUGGESTIONS
Quick-Acting, combination nipples attached with bands or internally expanded brass couplings with gasket seal attached with ferrules.

★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.



T620AA Series

300 PSI Black Fuel & Oil S & D Hose

General Applications:
Fuel and oil suction and discharge for up to 50% aromatic content. Designed for heavy duty applications.

Construction:
Tube: Black conductive NBR.
Reinforcement: High tensile textile cords with steel helix wire and static wire.
Cover: Black conductive CR – abrasion, ozone and hydrocarbon resistant.

Working Pressure:
Constant Pressure – 20 Bar (300 PSI)

Service Temperature Range:
-22°F (-30°C) to +176°F (+80°C)

Branding:
ALFAGOMMA – ITALY T620 – 20 BAR (300 PSI)
PETROLEUM – S & D Ω (in red letters)

Nominal Specifications

Series Number	ID (in)	ID (mm)	OD (in)	OD (mm)	Max Rec. WP (psi)	Vacuum HG (in)	Min. Bending Radius at 68°F (in)	Standard Length (ft)	Weight (lbs/ft)
T620AA200	2	51	2.48	63	300	30	8	100	1.10
T620AA300	3	76	3.54	90	300	27	12	100	1.77
T620AA400	4	102	4.57	116	300	27	16	100	2.43
T620AA600	6	152	6.69	170	300	24	24	20/100	5.60
T620AA800	8	203	8.86	225	300	21	32	20	9.24

COUPLING SUGGESTIONS
Quick-Acting, combination nipples attached with bands or internally expanded brass couplings with gasket seal attached with ferrules.

★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

ALFAGOMMA®

T629AA Series

150 PSI Black Biofuel Petroleum S & D Hose

Biofuel Friendly PRODUCTS™

General Applications:
For suction and discharge applications in truck and tank car transfer of gasoline, oil and Biofuels – up to E98 and B100* with up to 60% aromatic content at ambient temperature.

Construction:
Tube: Black conductive synthetic rubber.
Reinforcement: High tensile textile cords with steel helix wire.
Cover: Black specially-blended neoprene – added resistance against abrasion, ozone and hydrocarbons.

Working Pressure:
Constant Pressure – 10 Bar (150 PSI)

Service Temperature Range:
-22°F (-30°C) to 176°F (+80°C)

Branding:
ALFAGOMMA – ITALY T629 – 10 BAR (150 PSI)
BIOFUEL Ω (in green letters)

★ **T629 is not recommended for use on a reel.**

*Applies to Biodiesels which meet the ASTM D6751 criteria.

Nominal Specifications

Series Number	ID (in)	ID (mm)	OD (in)	OD (mm)	Max Rec. WP (psi)	Vacuum HG (in)	Min. Bending Radius at 68°F (in)	Standard Length (ft)	Weight (lbs/ft)
T629AA075	3/4	19	1.14	29	150	30	3	100	0.41
T629AA100	1	25	1.38	35	150	30	4	100	0.51
T629AA150	1 1/2	38	1.89	48	150	30	6	100	0.71
T629AA200	2	51	2.40	61	150	30	8	100	0.91
T629AA250	2 1/2	63	2.95	75	150	27	10	100	1.42
T629AA300	3	76	3.46	88	150	27	12	100	1.71
T629AA400	4	102	4.57	116	150	27	16	100	2.38

COUPLING SUGGESTIONS
Quick-Acting or combination nipples attached with bands.

★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

T650AH Series

150 PSI Oil Discharge Hose

General Applications:
Oil discharge hose designed for use on trucks, docks or barges where a soft wall hose is required.

Constructions:
Tube: Black conductive NBR.
Reinforcement: Spiraled high tensile textile cords with embedded static wire.
Cover: Red CR – abrasion, ozone and hydrocarbon resistant.

Working Pressure:
Constant Pressure – 10 Bar (150 PSI)

Service Temperature Range:
-22°F (-30°C) to +176°F (+80°C)

Branding:
ALFAGOMMA – ITALY T650 10 BAR (150 PSI) – PETROLEUM DELIVERY (in yellow letters)

Nominal Specifications

Series	ID (in)	ID (mm)	OD (in)	OD (mm)	Max Rec. WP (psi)	Standard Length (ft)	Weight (lbs/ft)
T650AH150	1 1/2	38	1.97	50	150	100	0.77
T650AH200	2	51	2.40	61	150	100	0.82
T650AH300	3	76	3.46	88	150	100	1.42
T650AH400	4	102	4.49	114	150	100	1.92

COUPLING SUGGESTIONS
Quick-Acting or combination nipples attached with bands.

★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

T614AA Series

150 PSI Hot Tar & Asphalt S & D Hose

General Applications:
Hot tar and asphalt suction and discharge service.

Construction:
Tube: Black NBR – hot tar and asphalt resistant.
Reinforcement: High tensile textile cords with steel helix wire.
Cover: Black CSM – abrasion, ozone and hot tar resistant.

Working Pressure:
10 Bar (150 PSI)

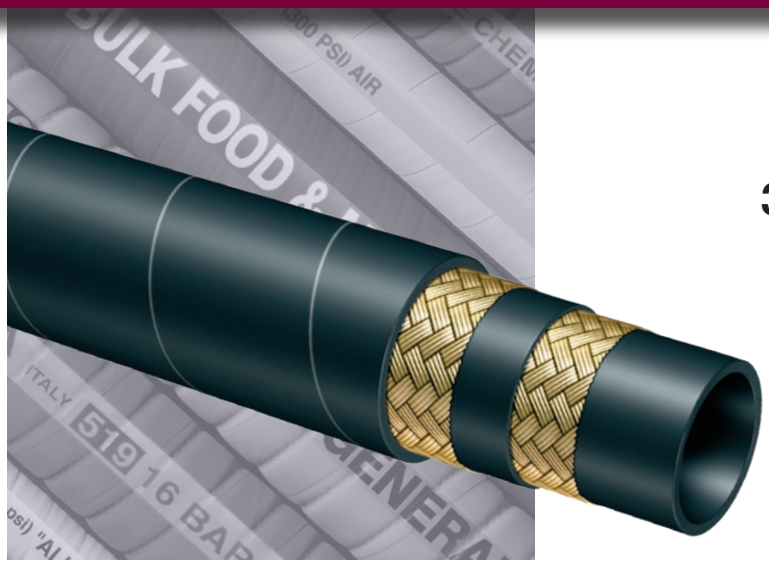
Service Temperature Range:
-4°F (-20°C) to +356°F (+180°C)

Branding:
ALFAGOMMA – ITALY T614 10 BAR (150 PSI) HOT TAR AND ASPHALT (on red stripe)

Nominal Specifications

Series Number	ID (in)	ID (mm)	OD (in)	OD (mm)	Wall Thickness (mm)	Max Rec. WP (psi)	Vacuum HG (in)	Min. Bending Radius (in)	Standard Length (ft)	Weight (lbs/ft)
T614AA200	2	51	2.72	69	9	150	30	10	100	1.64
T614AA300	3	76	3.78	96	10	150	27	15	100	2.69
T614AA400	4	102	4.80	122	10	150	27	20	100	3.57

COUPLING SUGGESTIONS
Permanently attached couplings are suggested for assemblies.



T631AA Series

300 PSI Hot Tar & Asphalt Applicator Delivery Hose

General Applications:
Hot tar and asphalt delivery service.

Construction:
Tube: Black NBR – hot tar and asphalt resistant.
Reinforcement: High tensile steel wire braids.
Cover: Black CR – abrasion, ozone, hydrocarbon and fire resistant.

Working Pressure:
20 Bar (300 PSI)

Service Temperature Range:
-22°F (-30°C) to +356°F (+180°C)

Branding:
ALFAGOMMA – ITALY T631 20 BAR (300 PSI) HOT TAR AND ASPHALT (embossed)

Safety Factor:
10:1

Nominal Specifications

Series Number	ID (in)	ID (mm)	OD (in)	OD (mm)	Wall Thickness (mm)	Max Rec. WP (psi)	Min. Bending Radius (in)	Standard Length (ft)	Weight (lbs/ft)
T631AA075	3/4	19	1.26	32	6	300	3	50/100	0.50
T631AA100	1	25	1.50	38	6	300	3	50/100	0.77

COUPLING SUGGESTIONS
Permanently attached couplings are suggested for assemblies.

ALFAGOMMA®

T631AE Series
300 PSI Hydrocarbon Drain Hose

General Applications:
Drain hose for residue from cleaning storage tanks and refining hydrocarbons.

Construction:
Tube: Black NBR-hydrocarbon resistant.
Reinforcement: High tensile steel wire braids.
Cover: Blue CR – abrasion and hydrocarbon resistant.

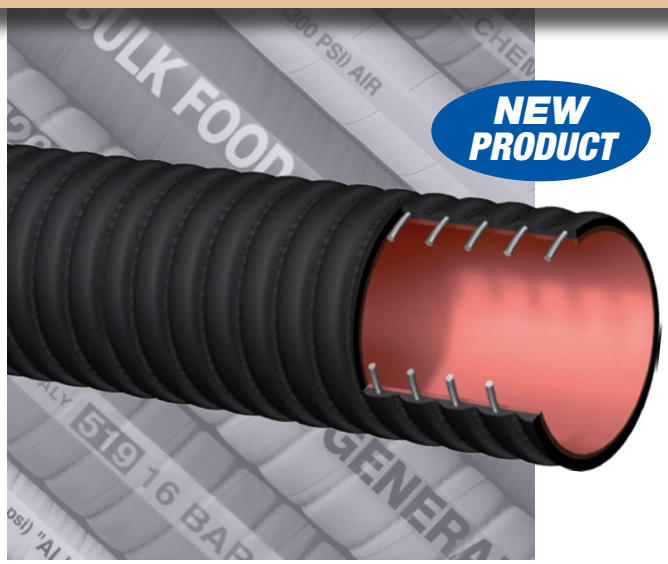
Working Pressure:
20Bar (300 PSI)

Service Temperature Range:
-22°F (-30°C) to +356°F (+180°C)

Branding:
ALFAGOMMA-HYDROCARBON DRAIN HOSE-300PSI

Nominal Specifications

Series Number	ID (in)	ID (mm)	OD (in)	OD (mm)	Wall Thickness (mm)	Max Rec. WP (psi)	Min. Bending Radius (in)	Standard Length (ft)	Weight (lbs/ft)
T631AE075	3/4	19	1.26	32	6	300	3	100	0.50



THE BOOMER™

T704HA Series CORRUGATED Industrial Sewer Vacuum Hose

General Applications:

- Material handling suction/discharge.
- Industrial vacuum equipment applications.
- Great hose for dry or wet abrasive materials.
- Popular hose for vacuum truck industry where a rugged and durable hose product is needed.
- Drill cutting suction hose in mobile drilling rigs.

Service Temperature Range:

-40°F (-40°C) to +212°F (+100°C)

Branding:

ALFAGOMMA ITALY 10 bar (150 psi) HEAVY DUTY INDUSTRIAL VACUUM S&D

Construction:

- **Tube -** 1/4" thick red gum rubber tube for abrasion-resistance.
- **Reinforcement -** High tensile textile fabric with embedded steel helical wire.
- **Cover -** Corrugated black conductive SBR/NR blend cover for abrasion and ozone-resistance.

Features and Advantages:

Abrasion Resistant Tube – 1/4" gum rubber tube designed for wet or dry applications where severe abrasion is a factor. Provides for long hose service life.

Heavy Duty Construction – Thick tube and cover, high tensile strength fabric and durable steel helix wire designed for high pressure and vacuum application. All sizes rated to full vacuum, and PSI safety factor 3:1 (2"-8") and 2.5:1 (10").

Grounding Wire – Steel wire helps prevent the build-up of static electricity and to help keep material flowing smoothly.†

Corrugated Outer Cover – Provides increased hose flexibility.

"Cold-Flex" Materials – Hose remains flexible in sub-zero temperatures.

Cuffed Ends Available – Available with soft cuffed ends for easy installation and clamping.

Nominal Specifications

Series Number	ID (in)	ID (mm)	OD (in)	OD (mm)	Max Rec. WP (psi)	Vacuum HG (in)	Min. Bend Radius (in at 68°F)	Standard Length Coils (ft)	Weight (lbs/ft)
T704HA200	2	51	2.87	69	150	30	6	100	1.41
T704HA300	3	76	3.69	96	150	30	9	100	2.40
T704HA400	4	102	5.03	122	150	30	12	100	3.39
T704HA500	5	127	6.22	149	150	30	15	100	4.31
T704HA600	6	152	7.04	174	150	30	24	100/50	5.13
T704HA800	8	203	9.00	227	150	30	32	100/50/35	9.26
T704HA1000	10	254	11.22	283	150	30	40	35	13.82

† Caution: This product is desgined to help dissipate static electricity when the netal wire is properly connected to ground, through the fitting or other means.

COUPLING SUGGESTIONS

Quick-Acting, pin lug, short shank couplings or combination nipples attached with single bolt, double bolt, wire or band type clamps.

★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

ALFAGOMMA®

T755AA

Formerly LT753AA

180 PSI 2-Ply Abrasive Material Blast Hose

General Applications:
Designed to convey abrasives, sand and shot blast material.

Construction:
Tube: Black static conducting NR – offering excellent abrasion resistance, upgraded to 36mm³ (cubed) rating.
Reinforcement: High tensile textile cords – 2-ply construction.
Cover: Black conductive SBR/NR blend – abrasion and ozone resistant – pin pricked.

Working Pressure:
Constant Pressure – 12 Bar (180 PSI)

Service Temperature Range:
-22°F (-30°C) to +176°F (+80°C)

Branding:
ALFAGOMMA – ITALY - 755 12 BAR (180 PSI) TOP ABRASIVE MATERIAL BLAST Ω (in white letters)

Standard Length:
50 or 100 feet

Nominal Specifications

Series	ID (in)	ID (mm)	OD (in)	OD (mm)	Tube Thickness (mm)	Max Rec. WP (psi)	Weight (lbs/ft)
T755AA050	1/2	13	1.06	27	0.212	180	0.34
T755AA125	1 1/4	32	1.89	48	0.240	180	0.77

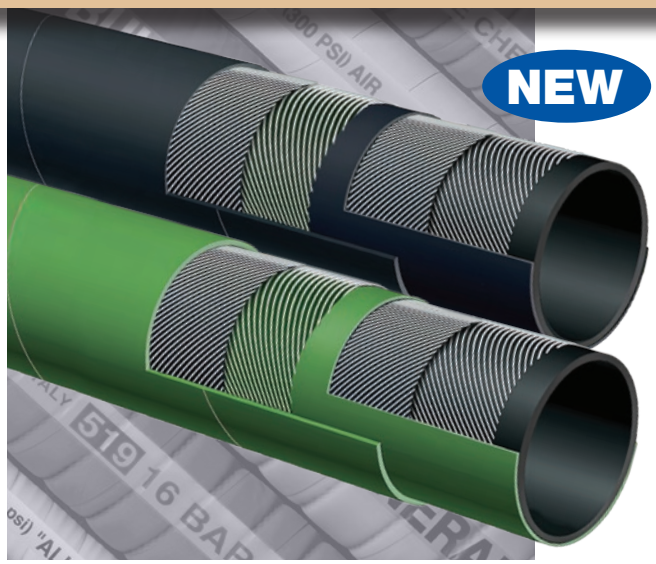
NOTE: Tolerances according to RMA Class 311-A

Blasting Data Guide

Premature hose wear can be prevented if the proper nozzle size is used for the corresponding hose ID size. (See chart below)

Blasting Data Guide

Series	UB8	UB7	UB6	UB5	UB4
NOZZLE SIZE	1/2	7/16	3/8	5/16	1/4
CFM @ 100 PSI	350	260	200	150	90
AIR HOSE	2	1 1/2	1 1/2	1 1/4	1 1/4
S.B. HOSE SIZE	1 1/2	1 1/2	1 1/4	1 1/4	1
MAT. LB/HR	2250	1750	1260	900	540



T753AA / T753AG

Formerly T750AA/T750AG

180 PSI 4-Ply Abrasive Material Blast Hose

T753AA
Black Cover

T753AG
Green Cover

General Applications:
Designed to convey abrasives, sand and shot blast material.

Construction:
Tube: Black static conducting natural rubber – offering excellent abrasion resistance, upgraded to 50mm^3 (cubed) rating.
Reinforcement: High tensile textile cords – 4-ply construction.
Cover: Black or green, conductive SBR/NR blend – abrasion and ozone resistant – pin pricked.

Working Pressure:
Constant Pressure – 12 Bar (180 PSI)

Service Temperature Range:
-22°F (-30°C) to +176°F (+80°C)

Branding:
ALFAGOMMA – ITALY – 753 12 BAR (180 PSI) PREMIUM ABRASIVE MATERIAL BLAST Ω (in white letters)

Nominal Specifications

Series Number	ID (in)	ID (mm)	OD (in)	OD (mm)	Tube Thickness (mm)	Max Rec. WP (psi)	Standard Length (ft)	Weight (lbs/ft)
T753AA/AG075	3/4	19	1.50	38	0.236	180	50/100	0.68
T753AA/AG100	1	25	1.89	48	0.283	180	50/100	1.04
T753AA/AG125	1 1/4	32	2.17	55	0.283	180	50/100	1.23
T753AA/AG150	1 1/2	38	2.36	60	0.260	180	50/100	1.40
T753AA200	2	51	2.87	73	0.260	180	50/100	1.77

NOTE: Tolerances according to RMA Class 311-A

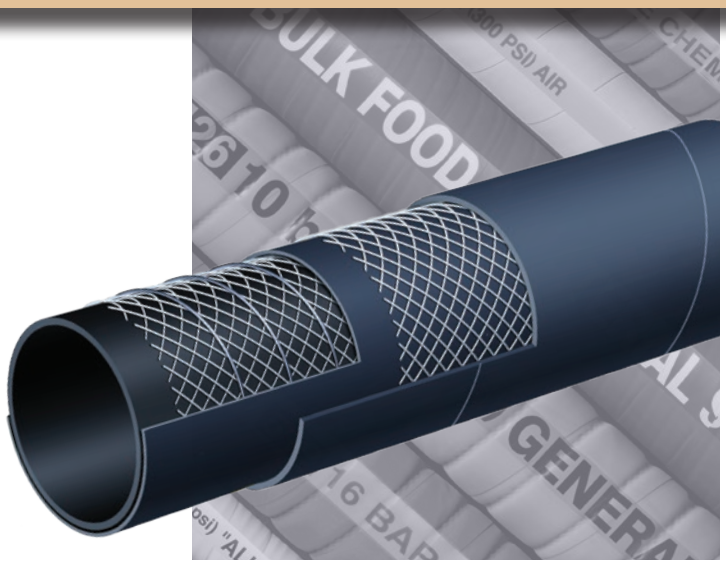
HOSE ID (in)	HOSE ENDS	NOZZLE HOLDERS	THREADED FEMALE ADAPTER	GASKETS
3/4	Q-AL1, Q-BR1, Q-PI1	NH-AL1, NH-BR1	–	SBG
1	Q-AL2, Q-BR2, Q-PI2	NH-AL2, NH-BR2	–	SBG
1 1/4	Q-AL3, Q-BR3, Q-PI3	NH-AL3, NH-BR3	SB-AL1, SB-BR1	SBG
1 1/2	Q-AL4, Q-BR4, Q-PI4	NH-AL4, NH-BR4	SB-AL2, SB-BR2	SBG

COUPLING SUGGESTIONS
Sandblast couplings and nozzle holders attached with screws. See next column for coupling part numbers.

★ Kuriyama offers a full line of sandblast couplings. Refer to current Kuriyama-Couplings™ and Accessories Catalog.

ALFAGOMMA®

T720AA Series
Bulk Material S & D Hose



General Applications:
Suction and discharge of wet or dry abrasive materials. Designed for grains and dry cement.

Construction:
Tube: 3/16" black conductive NR – abrasion resistant.
Reinforcement: Spiraled high tensile textile cords with flexible steel helix wire.
Cover: Black conductive SBR/NR blend – abrasion and ozone resistant.

Working Pressure:
Constant Pressure –
10 Bar (150 PSI) for 2", 3", 4"
5 Bar (75 PSI) for 5", 6", 8"

Service Temperature Range:
-22°F (-30°C) to +176°F (+80°C)

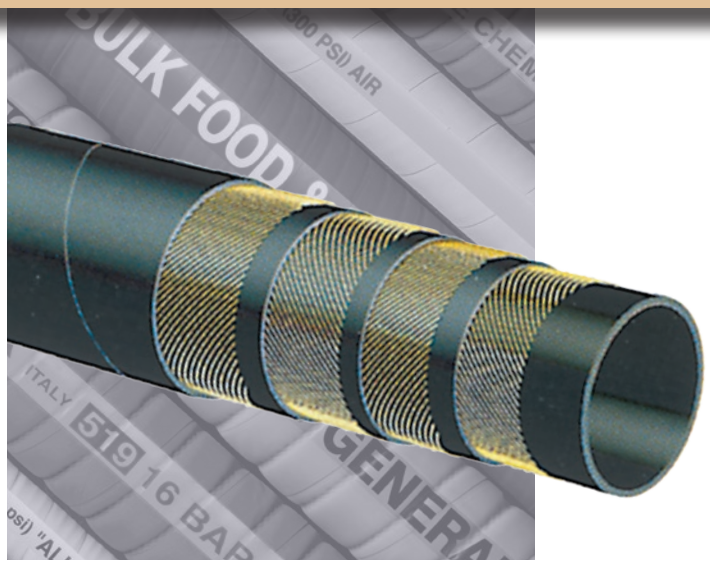
Branding:
ALFAGOMMA – ITALY T720 – BULK MATERIAL – S & D (in white letters)

Nominal Specifications

Series Number	ID (in)	ID (mm)	OD (in)	OD (mm)	Max Rec. WP (psi)	Vacuum HG (in)	Min. Bending Radius at 68°F (in)	Standard Length (ft)	Weight (lbs/ft)
T720AA200	2	51	2.56	65	150	30	6	100	0.97
T720AA300	3	76	3.54	90	150	27	9	100	1.54
T720AA400	4	102	4.57	116	150	27	12	50/100	2.15
T720AA500	5	127	5.63	143	75	24	20	20/50	3.20
T720AA600	6	152	6.61	168	75	24	24	20/50	4.01
T720AA800	8	203	8.70	221	75	21	32	20	6.05

COUPLING SUGGESTIONS
Quick-Acting, pin lug, short shank couplings or combination nipples attached with single bolt, double bolt, wire or band type clamps.

★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.



T740AA Series

1275 PSI High Performance Steel - Reinforced Concrete Pumping Hose

General Applications:
Steel-reinforced concrete pumping hose – Special easy-handling construction for concrete placement at casting site.

Construction:
Tube: Black conductive NR – abrasion resistant.
Reinforcement: High tensile steel cords.
Cover: Black conductive SBR/NR blend – abrasion and ozone resistant.

Working Pressure:
Working Pressure – 85 Bar (1275 PSI)

Service Temperature Range:
-22°F (-30°C) to +176°F (+80°C)

Branding:
ALFAGOMMA – ITALY T740 85 BAR (1275 PSI) W. P. HEAVY DUTY CONCRETE PUMPING (in white letters)

Nominal Specifications

Series Number	ID (in)	ID (mm)	OD (in)	OD (mm)	Wall Thickness (mm)	Max Rec. WP (psi)	Min. Bending Radius (in)	Standard Length (ft)	Weight (lbs/ft)
T740AA200	2	51	2.72	69	9	1275	10	50/100	1.44
T740AA250	2 1/2	63	3.35	85	11	1275	10 1/2	50/100	2.25
T740AA300	3	76	3.94	100	12	1275	15	50/100	3.06
T740AA400	4	102	5.04	128	13	1275	20	50/100	4.72
T740AA500	5	127	6.10	155	14	1275	25	50	6.95

COUPLING SUGGESTIONS
Tubular steel full flow male permanently swaged or internally expanded with ferrule to provide maximum hose coupling compatibility.

T757AA Series / T737AA Series

600 PSI Plaster & Concrete Hose (Series T737AA for 3" ID)

General Applications:
Designed for pumping plaster, grout, and wet cement to placement sites.

Construction:
Tube: Black conductive NR – abrasion resistant.
Reinforcement: High tensile textile cords.
Cover: Black conductive SBR/NR – abrasion and ozone resistant.

Working Pressure:
Constant Pressure – 40 Bar (600 PSI)

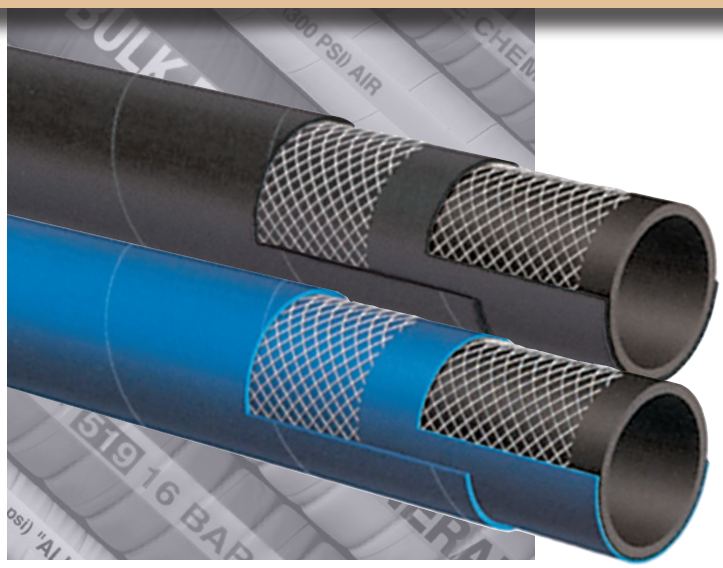
Service Temperature Range:
-22°F (-30°C) to +176°F (+80°C)

Branding:
ALFAGOMMA – ITALY T757 – 40 BAR (600 PSI) PLASTER & CONCRETE (in white letters) and ALFAGOMMA – ITALY T737 – 40 BAR (600 PSI) PLASTER & CONCRETE (in white letters)

Nominal Specifications

Series Number	ID (in)	ID (mm)	OD (in)	OD (mm)	Max Rec. WP (psi)	Standard Length (ft)	Weight (lbs/ft)
T757AA150	1 1/2	38	2.13	54	600	100	0.82
T757AA200	2	51	2.64	67	600	100	1.09
T737AA300	3	76	4.09	104	600	100	2.96

COUPLING SUGGESTIONS
Tubular steel full flow male permanently swaged or internally expanded with ferrule to provide maximum hose coupling compatibility.



T758AA / T758AE

800 PSI Plaster, Grout & Concrete Hose

T758AA
Black Cover

T758AE
Blue Cover

General Applications:
Designed for pumping plaster, grout, wet cement to construction placement sites at rated pressures.

Construction:
Tube: Black conductive NR – abrasion-resistant.
Reinforcement: Spiraled high tensile textile cords.
Cover: Black SBR/NR. Blue SBR/EPDM.

Working Pressure:
Constant Pressure – 55 Bar (800 PSI)

Service Temperature Range:
-22°F (-30°C) to +176°F (+80°C)

Branding:
ALFAGOMMA – ITALY T758 – 55 BAR (800 PSI) PLASTER & CONCRETE (in white letters)

Nominal Specifications

Series Number	ID (in)	ID (mm)	OD (in)	OD (mm)	Max Rec. WP (psi)	Standard Length (ft)	Weight (lbs/ft)
T758AA/AE100	1	25	1.57	40	800	100	0.60
T758AA/AE125	1 1/4	32	1.93	49	800	100	0.85
T758AA/AE150	1 1/2	38	2.28	58	800	100	1.15
T758AA/AE200	2	51	2.80	71	800	100	1.49

COUPLING SUGGESTIONS
Tubular steel full flow male permanently swaged or internally expanded with ferrule to provide maximum hose coupling compatibility.

ALFAGOMMA®

NEW SIZE

T760AA Series

75 PSI Light Weight Dry Powder Delivery Hose

General Applications:
Discharge of dry powders under low pressure, such as dry cement, grains and animal feed transfer.

Construction:
Tube: 3/16" black static conducting NR – compounded to resist cutting by abrasive materials.
Reinforcement: Spiraled high tensile textile cords.
Cover: Black conductive SBR/NR blend – abrasion and ozone resistant.

Working Pressure:
Constant Pressure – 5 Bar (75 PSI)

Service Temperature Range:
-22°F (-30°C) to +176°F (+80°C)

Branding:
ALFAGOMMA – ITALY T760 5 BAR (75 PSI) BULK MATERIAL DELIVERY (in white letters)

Nominal Specifications

Series Number	ID (in)	ID (mm)	OD (in)	OD (mm)	Max Rec. WP (psi)	Standard Length (ft)	Weight (lbs/ft)
T760AA400	4	102	4.53	115	75	100	1.58
T760AA450	4 1/2	115	5.00	127	75	100	1.85
T760AA500	5	127	5.47	139	75	100	2.05
T760AA600	6	152	6.61	168	75	100	2.30

★ Excessive bending during operation may cause premature wear.

COUPLING SUGGESTIONS
Quick-Acting, pin lug, short shank couplings or combination nipples attached with single bolt, double bolt, wire or band type clamps.

★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

T763AA Series

75 PSI Heavy Weight Dry Powder Delivery Hose

General Applications:
Discharge of dry powders under low pressure. Pneumatic transfer of dry materials and abrasive slurries.

Construction:
Tube: 1/4" black static conducting NR – compounded to resist cutting by abrasive materials.
Reinforcement: Spiraled high tensile textile cords.
Cover: Black conductive SBR/NR blend – abrasion and ozone resistant.

Working Pressure:
Constant Pressure – 5 Bar (75 PSI)

Service Temperature Range:
-22°F (-30°C) to +176°F (+80°C)

Branding:
ALFAGOMMA – ITALY T763 5 BAR (75 PSI) BULK MATERIAL DELIVERY (in green letters)

Nominal Specifications

Series Number	ID (in)	ID (mm)	OD (in)	OD (mm)	Max Rec. WP (psi)	Standard Length (ft)	Weight (lbs/ft)
T763AA400	4	102	4.72	120	75	100	2.14
T763AA450	4 1/2	115	5.24	133	75	100	2.30
T763AA500	5	127	5.71	145	75	100	2.60

★ Excessive bending during operation may cause premature wear.

COUPLING SUGGESTIONS
Quick-Acting, pin lug, short shank couplings or combination nipples attached with single bolt, double bolt, wire or band type clamps.

★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

ALFAGOMMA®

HWT763AA Series

75 PSI Heavy Duty Dry Powder Delivery Hose 3/8" Tube

NEW

General Applications:
Discharge of dry powders under low pressure. Pneumatic transfer of dry materials and abrasive slurries.

Construction:
Tube: 3/8" black static conducting NR – compounded to resist cutting by abrasive materials.
Reinforcement: Spiraled high tensile textile cords.
Cover: Black conductive SBR/NR blend – abrasion and ozone resistant.

Working Pressure:
Constant Pressure – 5 Bar (75 PSI)

Service Temperature Range:
-22°F (-30°C) to +176°F (+80°C)

Branding:
ALFAGOMMA – ITALY T763 5 BAR (75 PSI) HEAVY DUTY BULK MATERIAL DELIVERY (in green letters)

Nominal Specifications

Series Number	ID (in)	ID (mm)	OD (in)	OD (mm)	Max Rec. WP (psi)	Standard Length (ft)	Weight (lbs/ft)
HWT763AA400	4	102	4.96	126	75	100	2.56

★ Excessive bending during operation may cause premature wear.

COUPLING SUGGESTIONS
Quick-Acting, pin lug, short shank couplings or combination nipples attached with single bolt, double bolt, wire or band type clamps.

★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

T766AA Series

150 PSI Heavy Duty Dry Powder Delivery Hose

General Applications:
Discharge of dry powders in heavy duty applications, such as dry cement, grains and animal feed transfer.

Construction:
Tube: 1/4" black static conducting NR – compounded to resist cutting by abrasive materials.
Reinforcement: Spiraled high tensile textile cords.
Cover: Black conductive SBR/NR blend – abrasion and ozone resistant.

Working Pressure:
Constant Pressure – 10 Bar (150 PSI)

Service Temperature Range:
-22°F (-30°C) to +176°F (+80°C)

Branding:
ALFAGOMMA – ITALY T766 10 Bar (150 PSI)
BULK MATERIAL DELIVERY (in white letters)

Nominal Specifications

Series Number	ID (in)	ID (mm)	OD (in)	OD (mm)	Max Rec. WP (psi)	Standard Length (ft)	Weight (lbs/ft)
T766AA400	4	102	4.65	118	150	100	1.96

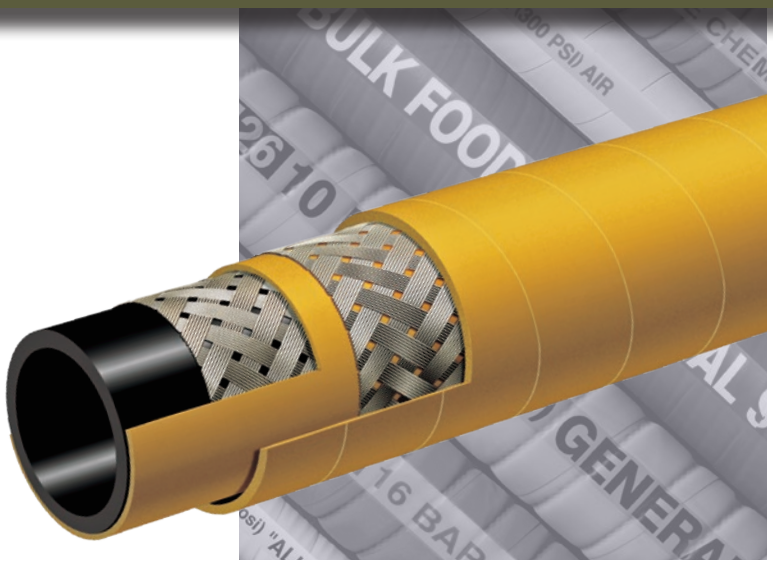
★ Excessive bending during operation may cause premature wear.

COUPLING SUGGESTIONS
Quick-Acting, pin lug, short shank couplings or combination nipples attached with single bolt, double bolt, wire or band type clamps.

★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

ALFAGOMMA®

T146AK Series
1000 PSI Braided MSHA Mine Spray Hose



General Applications:
Underground mine water spray for dust control. Also usable on continuous mining machinery.

Construction:
Tube: Black Extruded SBR/NBR blend – oil mist resistant.
Reinforcement: High tensile steel wire braids.
Cover: Yellow SBR/NBR blend – abrasion, ozone, hydrocarbon and fire resistant – pin pricked.

Working Pressure:
Constant Pressure – 70 BAR (1000 PSI)

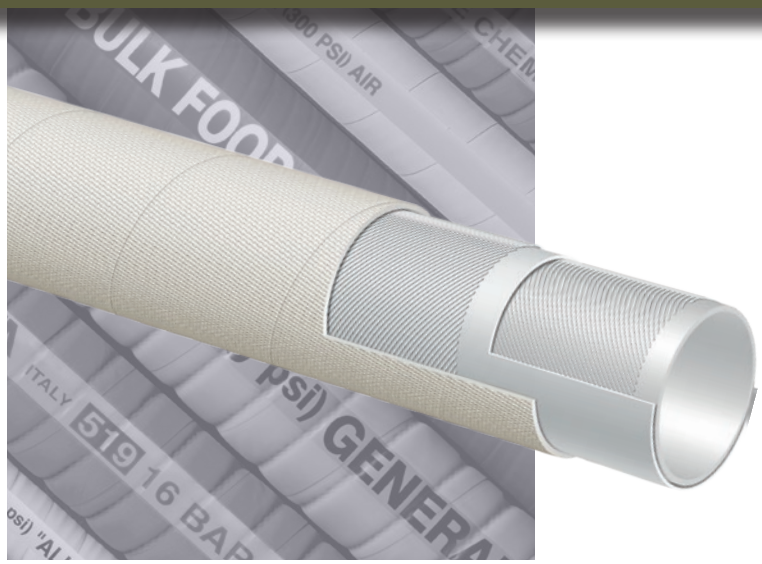
Service Temperature Range:
-22°F (-30°C) to +200°F (+90°C)

Branding:
ALFAGOMMA – ITALY – 70 BAR (1000 PSI) MINE SPRAY MSHA IC – 152/6 (embossed)

Nominal Specifications

Series Number	ID (in)	ID (mm)	OD (in)	OD (mm)	Max Rec. WP (psi)	Min. Bending Radius at 68°F (in)	Standard Length (ft)	Weight (lbs/ft)
T146AK075	3/4	19	1.10	28	1000	3 3/4	50/100	0.45
T146AK100	1	25	1.34	34	1000	5	50/100	0.58
T146AK125	1 1/4	32	1.61	41	1000	6 1/4	50/100	0.75
T146AK150	1 1/2	38	1.93	49	1000	7 1/2	50/100	1.08
T146AK200	2	51	2.48	63	1000	10	50/100	1.47

COUPLING SUGGESTIONS
Permanently attached crimped hydraulic couplings.



T957LL Series

300 PSI Furnace Door Coolant Hose

General Applications:
To convey cooling water to furnace doors in steel mills, glass plants, foundries, or where the hose is subjected to high temperatures and splashes of white-hot molten metals or glass.

Construction:
Tube: White EPDM.
Reinforcement: High tensile textile cords.
Cover: Beige EPDM – heat resistant, non-conductive resin-coated dust-free fiberglass cover.

Working Pressure:
Constant Pressure – 20 BAR (300 PSI)

Service Temperature Range:
Tube: -40°F (-40°C) to +248°F (+120°C)
Cover: -40°F (-40°C) to +1000°F (up to +540°C)

Nominal Specifications

Series Number	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Max Rec. WP (PSI)	Standard Length (ft)	Weight (lbs./ft.)
T957LL050	1/2	13	0.98	25	300	100	0.30
T957LL075	3/4	19	1.22	31	300	100	0.46
T957LL100	1	25	1.46	37	300	100	0.56
T957LL125	1 1/4	32	1.81	46	300	100	0.82
T957LL150	1 1/2	38	2.13	54	300	100	0.98
T957LL200	2	51	2.64	67	300	100	1.26
T957LL250	2 1/2	63	3.19	81	300	100	1.55
T957LL300	3	76	3.78	96	300	100	2.15

★ Special order, minimums required. Contact your nearest KOA warehouse location for more information.

(Reprinted from RMA Hose Handbook 1 P-2 - Fourth Edition)

Hose has a limited life and the user must be alert to signs of impending failure, particularly when the conditions of service include high working pressures and/or the conveyance or containment of hazardous materials,

GENERAL CARE AND MAINTENANCE OF HOSE

Hose should not be subjected to any form of abuse in service. It should be handled with reasonable care. Hoses should not be dragged over sharp or abrasive surfaces unless specifically designed for such service. Care should be taken to protect hose from severe end loads for which the hose or hose assembly were not designed. Hose should be used at or below its rated working pressure; any changes in pressure should be made gradually so as to not subject the hose to excessive surge pressures. Hose should not be kinked or be run over by equipment. In handling large size hose, dollies should be used whenever possible; slings or handling rigs, properly placed, should be used to support heavy hose used in oil suction and discharge service.

STORAGE

Rubber hose products in storage can be affected adversely by temperature, humidity, ozone, sunlight, oils, solvents, corrosive liquids and fumes, insects, rodents and radioactive materials.

The appropriate method for storing hose depends to a great extent on its size (diameter and length), the quantity to be stored, and the way in which it is packaged. Hose should not be piled or stacked to such an extent that the weight of the stack creates distortions on the lengths stored at the bottom. Since hose products vary considerably in size, weight, and length, it is not practical to establish definite recommendations on this point. Hose having a very light wall will not support as much load as could a hose having a heavier wall or hose having a wire reinforcement. Hose which is shipped in coils or bales should be stored so that the coils are in a horizontal plane.

Whenever feasible, rubber hose products should be stored in their original shipping containers, especially when such containers are wooden crates or cardboard cartons which provide some protection against the deteriorating effects of oils, solvents, and corrosive liquids; shipping containers also afford some protection against ozone and sunlight.

Certain rodents and insects will damage rubber hose products, and adequate protection from them should be provided.

The ideal temperature for the storage of rubber products ranges from 50° to 70°F (10-20°C) with a maximum limit of 100°F (38°C). If stored below 32°F (0°C), some rubber products become stiff and would require warming before being placed in service. Rubber products should not be stored near sources of heat, such as radiators, base heaters, etc., nor should they be stored under conditions of high or low humidity.

To avoid the adverse effects of high ozone concentration, rubber hose products should not be stored near electrical equipment that may generate ozone or be stored for any lengthy period in geographical areas of known high ozone concentration. Exposure to direct or reflected sunlight – even through windows – should also be avoided. Uncovered hose should not be stored under fluorescent or mercury lamps which generate light waves harmful to rubber.

Storage areas should be relatively cool and dark, and free of dampness and mildew. Items should be stored on a first-in, first-out basis, since even under the best conditions, an unusually long shelf life could deteriorate certain rubber products.

Flexibility & Bend Radius

Flexibility and minimum bend radius are important factors in hose design and selection if it is known that the hose will be subjected to sharp curvatures in normal use. When bent at too sharp an angle, hose may kink or flatten in the cross-section. The reinforcement may also be unduly stressed or distorted and the hose life thereby shortened.

Adequate flexibility means the hose should be able to conform to the smallest anticipated bend radius without over stress. The minimum bend radius is generally specified for each hose in this catalog. This is the radius to which the hose can be bent in service without damage or appreciably shortening its life. The radius is measured to the inside of the curvature.

Formula to determine minimum hose length given bend radius and degree of bend required:

$$L = \frac{A}{360^\circ} \times 2\pi B$$

Where:

L = Minimum length of hose to make bend (Bend must be made equally along this portion of hose length).

A = Angle of bend

B = Given bend radius of hose

π = 3.14

Example: To make a 60° bend at the hoses's rated minimum bend radius of 15 cm:

$$L = \frac{60}{360^\circ} \times 2 \times 3.14 \times 15 \cong 16 \text{ cm}$$

Thus, the bend must be made over approximately 16 cm of hose length. The bend radius used must be equal to or greater than the rated minimum bend radius. Bending the hose to a smaller bend radius than minimum may kink the hose and the result in damage and early failure.

Oil Resistance

The definition of Oil Resistance is currently related to Tensile Retention % and Volume Swell % of the tested material after immersion in ASTM No. 3 Oil and in ASTM Fuel B for 70 hours at 100°C (212°F). The hose industry is currently classifying the materials as follows:

Material Classification		Tensile Retention	Volume Swell
Maximum Oil Resistance	ASTM No. 3 Oil ASTM Fuel B	80% Min. 50% Min.	25% Max. 35% Max.
Medium Oil Resistance	ASTM No. 3 Oil ASTM Fuel B	40% Min. 35% Min.	100% Max. 60% Max.
None Oil Resistance	ASTM No. 3 Oil ASTM Fuel B	Less Than 40% Less Than 35%	More Than 100% More Than 80%

Safety Features

Air hose – 4:1 Safety factor. Burst vs Working pressure

Water hose – 3:1 Safety factor. Burst vs Working pressure

Steam hose – 10:1 Safety factor. Burst vs Working pressure

Chemical Guide

ALFAGOMMA®

The Chemical Guides in this section are offered as a general indication of the compatibility of the various materials used in ALFAGOMMA® hose with the chemicals and fluids listed. The basis for the ratings in this guide include actual service experience, the advice of various polymer suppliers, and the considered opinion of our rubber chemists. When in doubt, a sample of the compound should always be tested with the particular chemical it is to handle. Some of the variables that come into play in the resistance of a compound to chemical attack are:

1. Temperature of the Material Transmitted:
Higher temperatures increase the effect of chemicals on rubber compounds. The increase varies with the polymer and the chemical. A compound quite suitable at room temperature might fail very quickly at higher temperatures.

2. Service Conditions:
A rubber compound usually swells when exposed to a chemical. With a given percent of swell, the hose tube may function satisfactorily if the hose is in a static condition, but fail quickly if the hose is subject to flexing.

3. The Grade or Blend of the Rubber Compound:
Basic rubber polymers are sometimes mixed or blended together to enhance a particular property for a specific service. The reaction to a particular chemical blend of polymers may, therefore, be somewhat different from the reaction to the single ones. When in doubt, a sample of the compound should always be tested with the particular chemical it is to handle.

4. Alfagomma® hoses are produced using silicone free release agents.

KEY TO GENERAL CHEMICAL RESISTANCE CHART

Note: All data based on 20°C (68°F) unless otherwise noted.

Blank	= No Data	G	= Good	C	= Conditional	X	= Unsatisfactory
E	= Excellent	F	= Fair	I	= Insufficient Data		

GENERAL CHEMICAL RESISTANCE OF ALFAGOMMA® HOSE COMPOUNDS

ASTM Designation D1418-93	Common Name	Composition	General Properties
CIIR	Chlorobutyl	Chloro-Isobutene-Isoprene	Excellent resistance to high heat steam. Very good weathering resistance, low permeability to air. Good physical properties. Poor resistance to petroleum-based fluids.
CR	Neoprene	Chloroprene	Excellent weathering resistance. Flame retarding. Good oil resistance. Good physical properties.
CSM	Hypalon®	Chloro-sulfonated polyethylene	Excellent ozone, weathering and acid resistance. Good abrasion and heat resistance. Can be compounded for good oil resistance.
EPDM	EPM or EPDM	Ethylene-propylene-diene-terpolymer	Good general purpose polymer. Excellent heat, ozone and weather resistance. Not oil resistant.
NBR	BUNA-N or Nitrile	Nitrile-Butadiene	Excellent oil resistance. Good physical properties.
NR	Natural	Isoprene Rubber (Natural)	Excellent physical properties, including abrasion resistance. Not oil resistant.
SBR	SBR	Styrene-Butadiene Rubber	Good physical properties, including abrasion resistance. Not oil resistant.
UHMWPE	UHMWPE	Ultra-High Molecular Weight Polyethylene	Excellent resistance to a majority of existing chemicals. Meets FDA requirements for food and beverages.
XLPE	Cross Linked Polyethylene	Cross Linked Polyethylene	Excellent resistance to most solvents, oils and chemicals. Do not confuse with chemical properties of standard polyethylene.
	Synthetic Rubber	Synthetic Rubber	Black conductive synthetic rubber, excellent resistance to Biofuel based fluids.

FOR APPLICATIONS INVOLVING INDUSTRIAL ACID CHEMICALS AND ALCOHOLS, PLEASE REFER TO T5050G AND T5090E CHEMICAL HOSES.

ALFAGOMMA® Chemical Resistance Chart

Key to General Chemical Resistance Chart [all data based on 20°C (68°F) unless noted]:
E – Excellent; G – Good; F – Fair; C – Conditional; I – Insufficient Data; X – Not Recommended; Blank – No Data

Chemical or Material Conveyed	COMPOUND									
	CIIR	CR	CSM	EPDM	NBR	NR	SBR	XLPE	UHMWPE	T629AA
ACETALDEHYDE	E	C	F	E	X	F	X	E	E	X
ACETIC ACID, GLACIAL	G	F	C	G	X	C	X	E	E	X
ACETIC ACID, 10%	G	E	E	E	E	G	F	E	E	E
ACETIC ACID, 50%	G	F	E	E	F	X	F	E	E	F
ACETIC ANHYDRIDE	C	G	E	G	X	F	X	E	E	X
ACETIC OXIDE (Acetic anhydride)	G	G	E	G	X	F	X	E	E	X
ACETONE	E	C	X	E	X	C	C	E	E	X
ACETONE CYANOHYDRIN	E	G	F	E	X	F				X
ACETONITRILE	E	E	G	E	X	G				X
ACETOPHENONE	G	X	X	E	X	C	X	E	E	X
ACETYL ACETONE	E	X	X	E	X	X	X			X
ACETYL CHLORIDE	X	X	C	X	X	X	X			X
ACETYL OXIDE (Acetic anhydride)	G	G	E	G	X	F		E	E	X
ACETYLENE	E	E	C	E	E	C	F	E	E	E
ACETYLENE DICHLORIDE	F	X	X	C	X	X	X			X
ACETYLENE TERACHLORIDE	X	C	X	C	X	X				X
ACROLEIN	E	G	G	E	F	G	F			F
ACRYLONITRILE	X	X	C	E	X	C	F	E	E	X
ACRYLIC ACID		X	G	X	X	X				X
ADIPIC ACID	X	E	G	C	E	E		E	E	E
AIR, +300°F	G	G	G	G	G	X	X			G
ALK-TRI	X	X	X	X	X	X				X
ALLYL ALCOHOL	E	E	E	E	E	E		E	E	E
ALLYL BROMIDE	X	X	X	X	X	X				X
ALLYL CHLORIDE	C	X	X	X	G	X	E	E	F	G
ALUM (Aluminium potassium sulfate)	E	E	E	G	C	E		E	E	C
ALUMINIUM ACETATE	G	C	F	E	C	E	X			C
ALUMINIUM CHLORIDE	E	E	E	E	E	E	E	E	E	E
ALUMINIUM FLUORIDE	E	E	E	E	E	E	E	E	E	E
ALUMINIUM FORMATE	G	E	X	E	X	X				X
ALUMINIUM HYDROXIDE	E	E	E	E	E	E	G	E	E	E
ALUMINIUM NITRATE	E	E	E	E	E	E	E			E
ALUMINIUM SULFATE	A	G	E	E	E	E	G	E	E	E
ALUMUS-NH3-CR-K										
AMINES-MIXED		C	X	G	X	C	G			X
AMINOBENZENE (Aniline)	E	X	C	C	X	X	X	E	E	X
AMINODIMETHILBENZENE	G	X	F	C	C	X				C
AMINOETHANE (Ethylamine)	G	C	F	E	C	C	X	E	E	C
AMINOXYLENE	G	X	X	E	C	X				C
AMMONIUM CARBONATE	E	E	C	E	C	E	E			C
AMMONIUM CHLORIDE	E	E	E	E	G	E	E	E	E	G
AMMONIUM HYDROXIDE	G	E	E	E	C	G	X	E	E	C
AMMONIUM NITRATE	E	E	E	E	E	E	E	E	E	E
AMMONIUM PHOSPHATE, DIBASIC	E	E	E	E	E	E	E	E	E	E
AMMONIUM SULFATE	E	E	E	E	E	E	G	E	E	E
AMMONIUM SULFIDE	E	E	E	E	C	E	G	E	E	C
AMMONIUM THIOSULFATE	E	E	E	E	C	E				C
AMYL ACETATE	G	X	X	C	X	C	X	E	E	X
AMYL ACETONE	G	X	X	G	X	X				X
AMYL ALCOHOL	E	C	E	E	C	C	G	E	E	C
AMYL BROMIDE	X	X	X	C	X	X				X
AMYL CHLORIDE	X	X	X	X	X	X	X	E	E	X
AMYL ETHER	X	X	F	X	C	X				C
AMYLAMINE	G	C	F	X	F	F				F

Chemical or Material Conveyed	COMPOUND									
	CIIR	CR	CSM	EPDM	NBR	NR	SBR	XLPE	UHMWPE	T629AA
ANETHOLE	X	X	X	X	X	X				X
ANILINE	E	X	C	C	X	X	X	E	E	X
ANILINE DYES	G	C	G	C	X	C	G	E	E	X
ANILINE OIL	G	X	C	C	X	X	X	E	E	X
ANIMAL FATS	C	C	F	C	E	X	X	E	E	E
ANTIMONY PENTACHLORIDE		C	X	C	X	X		E	E	X
AQUA REGIA	C	X	C	C	X	X	X	X	X	X
ARGON	G	G	X	E	E	X	C			E
ARSENIC ACID	E	E	E	E	E	E	E	E	E	E
ASPHALT	X	C	F	X	C	X	X	E	E	C
ASTM FUEL A	X	C	C	X	E	X	X			E
ASTM FUEL B	X	X	X	X	C	X	X			C
ASTM FUEL C	X	X	X	X	C	X	X			C
ASTM OIL NO.1	X	E	C	X	E	X	X	E	E	E
ASTM OIL NO.2	X	C	X	X	E	X	X	E	E	E
ASTM OIL NO.3	X	C	C	X	E	X	X	E	E	E
ASTM OIL NO.4	X	X	X	X	C	X	X			C
AUTOMATIC TRASMISSION FLUID	X	C	C	X	E	X	X			E
BANANA OIL	C	X	C	C	X	X				X
BARIUM CHLORIDE	E	E	E	E	E	E	E	E	E	E
BARIUM HYDROXIDE	E	E	E	E	E	E	E	E	E	E
BARIUM SULPHIDE	E	E	E	E	E	E	G	E	E	E
BEER	E	E	E	E	E	E	E	E	E	E
BEET SUGAR LIQUORS	E	C	E	E	E	E	E	E	E	E
BENZAL CHLORIDE	G				X					X
BENZALDEHYDE	G	X	X	E	X	X	X	E	E	X
BENZENE	X	C	C	C	X	X	X	E	F	X
BENZENE CARBOXYLIC ACID	E	E	C	C	X	X				X
BENZINE (Gasoline)	X	C	C	X	E		X	E	E	E
BENZOIC ACID	C	E	C	C	X	X	X			X
BENZOL (Benzene)	X	C	C	C	X	X	X	E	F	X
BENZOTRICHLORIDE		X	X	E	X	X				X
BENZYL ACETATE	E	E	G	E	X	X				X
BENZYL ALCOHOL	E	C	C	C	X	X	X			X
BENZYL CHLORIDE	X	X	X	X	X	X	X			X
BENZYL ETHER (Dibenzyl Ether)	G	X	X	C	X	X	X			X
BIODIESEL (BD100 O B100)										E
BIODIESEL (BD20 O B20)										E
BIOETHANOL (E85)										E
BIS (2-CLOROETHYL) ETHER										
BLACK SULFATE LIQUOR	G	G	G	G	G	G	G	E	E	G
BLEACH	E	C	E	E	X	C	X	G	F	X
BORAX SOLUTION	E	E	E	E	C	C	G	E	E	C
BORIC ACID	E	E	E	E	E	E	E	E	E	E
BRAKE FLUID (HD-557)12 DAYS	E	C	C	E	C	X	E			C
BRINE	E	E	E	E	E	E		E	E	E
BROMACIL										
BROMOBENZENE	X	X	X	X	X	X	X			X
BROMOCHLOROMETANE	C	X	X	G	X	X		F	F	X
BROMOETHANE (Ethyl bromide)	C	X	X	X	C	C	X	E	E	C
BROMOTOLUENE	X		X		X	X				X
BUGDIOXANE										
BUNKER OIL	X	G	C	X	E	X	X			E
BUTADIENE	X	X	G	X	X	X	X	E	E	X

FOR APPLICATIONS INVOLVING INDUSTRIAL ACID CHEMICALS AND ALCOHOLS, PLEASE REFER TO T5050G AND T5090E CHEMICAL HOSES.

Chemical Resistance Chart ALFAGOMMA®

Key to General Chemical Resistance Chart [all data based on 20°C (68°F) unless noted]:
E – Excellent; G – Good; F – Fair; C – Conditional; I – Insufficient Data; X – Not Recommended; Blank – No Data

Chemical or Material Conveyed	COMPOUND									
	CIIR	CR	CSM	EPDM	NBR	NR	SBR	XLPE	UHMWPE	T629AA
BUTANE	X	E	C	X	E	X	X	E	E	E
BUTANOIC ACID	X	X	C	C	C	C				C
BUTANOL (Butyl alcohol)	C	E	E	C	E	E	E	E	E	E
BUTANONE	E	X	X	E	X	X	X	E	E	X
BUTOXYETHANOL	C	X	G	E	C	X				C
BUTYL ACETATE	C	X	X	C	X	X	X	E	E	X
BUTYL ACRYLATE	X	X	X	C	X	X	X	E	E	X
BUTYL ALCOHOL	C	E	E	C	E	E	E	E	E	E
BUTYL ALDEHYDE (Butyraldehyde)	C	X	X	C	X	X	X	E	E	X
BUTYL BENZYL PHTHALATE	E	E	X	E	X	X		E	E	X
BUTYL CARBITOL	E	X	C	E	X	X	X			X
BUTYL CELLOSOLVE	C	X	G	C	C	X	X	E	E	C
BUTYL CHLORIDE	F	X	X	X	X	X				X
BUTYL ETHER	C	C	X	C	X	X	X	E	E	X
BUTYL ETHER ACETALDEHYDE	G	X	X	X	X	X				X
BUTYL ETHYL ETHER	X	X	C	F	G	X				G
BUTYL OLEATE	C	X	X	C	X	X	X			X
BUTYL PHTHALATE	G	X	X	E	X	X	X	E	E	X
BUTYL STEARATE	C	X	X	X	C	X	X	E	E	C
BUTYLENE	X	C	C	X	C	X	X			C
BUTYRALDEHYDE	C	X	X	C	X	X	X	E	E	X
BUTYRIC ACID	X	X	C	C	C	C	X	E	E	C
BUTYRIC ANHYDRIDE	F	G	G	E	C	F				C
CADMIUM ACETATE	E		E		X	X				X
CALCIUM ALUMINATE	E		E		E	E				E
CALCIUM BICHROMATE	E	E	F	E	C					C
CALCIUM BISULFIDE	X	E	F	E	C	X	G			C
CALCIUM CHLORIDE	E	E	E	E	E	E	E	E	E	E
CALCIUM HYDROXIDE	E	E	E	E	E	E	E	E	E	E
CALCIUM HYPOCHLORITE	E	C	E	E	C	C	X	E	E	C
CALCIUM NITRATE	E	E	E	E	E	E	E			E
CALCIUM SULFIDE	E	E	E	E	E	C	X			E
CALCIUM ACETATE	E	C	C	E	C	E	X			C
CAPRYLIC ACID	F		G		F	C				F
CARBAMIDE (Urea)	E	G	E	E	G	E		E	E	G
CARBITOL	C	C	C	C	C	C	E	E	E	C
CARBOLIC ACID PHENOL	C		C			C				
CARBON DIOXIDE	E	G	E	G	E	G	G	E	E	E
CARBON DISULFIDE (Carbon bisulfide)	X	X	X	X	X	X		C	C	X
CARBON MONOXIDE	E	C	C	E	E	C	G	E	E	E
CARBON TETRACHLORIDE	X	X	X	X	X	X		E	E	X
CARBONIC ACID	E	E	E	E	C	E	G	E	E	C
CASTOR OIL	C	E	E	C	E	E	E	E	E	E
CAUSTIC SODA	E	G	E	G	C	E	E	E	E	C
CELLOSOLVE ACETATE	C	X	X	G	X	C	X	E	E	X
CELLUGUARD	E	E	E	E	E	E	E			E
CETYLIC ACID (Palmitic acid)	C	G	C	C	E	C	G	E	E	E
CHINA WOOD OIL (Tung oil)	C	C	C	X	E	X	X	E	E	E
CHLORINATED SOLVENTS	X	X	X	X	X	X	X	E	E	X
CHLORO-2-PROPANONE	C		X			X				
CHLOROACETIC ACID	C	X	G	C	X	X	X	E	E	X
CHLOROACETONE	C	X	X	E	X	X	X	E	E	X
CHLOROBENZENE	X	X	X	X	X	X	X	E	E	X
CHLOROBUTANE	F	X	X	X	X	X				X

Chemical or Material Conveyed	COMPOUND									
	CIIR	CR	CSM	EPDM	NBR	NR	SBR	XLPE	UHMWPE	T629AA
CHLORODANE (Chlordane)	X	C	C	X	C	X	X			C
CHLOROETHYL BENZENE	X	X	X	X	C	X				C
CHLOROFORM	X	X	X	X	X	X	X	F	F	X
CHLOROPENTANE	X	X	X	X	X	X				X
CHLOROSULFONIC ACID	X	X	X	X	X	X	X	F	X	X
CHLOROTOLUENE	X	X	X	X	X	X	X			X
CHLOROX	C	C	C	G	C	X	X			C
CHROME PLATING SOLUTIONS	C	X	X	C	X	X	X			X
CHROMIC ACID	C	X	E	C	X	C	X	E	E	X
CHROMIUM TRIOXIDE (Chromic oxide)	G	X	E	C	X	X	X			X
CINNAMENE (Vinylbenzene)	X	X	X	X	C	X	X			C
CIS-9-OCTADECENOIC ACID (Oleic acid)	X	C	C	C	G	X	X	E	E	G
CITRIC ACID	E	E	E	E	E	E	E	E	E	E
COAL TAR OIL (Coal oil)	X	G	F	X	E	X	X	E	E	E
COAL TAR	X	C	C	X	C	X	X	E	E	C
COAL TAR NAPHTHA	X	X	X	X	X	X		E	E	X
COCONUT OIL	C	C	C	C	E	X	X	E	E	E
COKE OVEN GAS	C	X	C	X	X	C	X	E	E	X
COOLANOL (Monsanto)	X	C	C	X	E	X	X			E
COPPER CHLORIDE	E	C	C	E	E	E	E	E	E	E
COPPER CYANIDE	E	E	E	E	E	E	E	E	E	E
COPPER HYDRATE	E		G		G	F				G
COPPER HYDROXIDE (Copper hydrate)	E		G		G	F				G
COPPER SULFATE	C	E	E	E	E	C	G	E	E	E
CORN OIL	C	C	C	C	E	X	X	E	E	E
COTTONSEED OIL	C	C	C	C	E	X	X	E	E	E
CREOSOTE	X	C	X	X	C	X	X	E	E	C
CRESOLS	X	X	X	X	X	X	X	E	E	X
CRESYLIC ACID	X	X	X	X	X	X	X	E	E	X
CROTONALDEHYDE	E	X	X	E	X	X	F	E	E	X
CRUDE OIL	X	C	C	X	C	X	X	E	E	C
CUMENE	X	X	X	X	X	X	X			X
CUPRIC CARBONATE										
CUPRIC HYDROXIDE (Copper hydroxide)	E		G		G	F				G
CUPRIC NITRATE (Copper nitrate)	E	E	E	C	C	G		E	E	C
CUPRIC SULFATE (Copper sulfate)	C	E	E	E	E	C	G	E	E	E
CUTTING OIL	X	C	C	X	E	C	X			E
CYCLOHEXANE	X	X	C	X	E	X	X	E	E	E
CYCLOHEXANOL	X	C	C	X	G	C	X	E	E	G
CYCLOHEXANONE	C	X	X	C	X	X	X	E	E	X
CYCLOPENTANE	X	C	X	X	G	X				G
CYCLOPENTANOL										
CYCLOPENTANONE	X		X		X	X				X
CYCLOPENTIL ALCOHOL (Cyclopentanol)		F		C	X					X
D-FURALDEHYDE (Furfural)	C	F	C	E	G	X				G
DDT IN KEROSENE	X	C	C	X	E	X	X			E
DECAHYDRONAPHTHALENE (Decalin)	X	X	X	X	X	X	E	E	E	X
DECAHYDROXYNHAPHTHALENE										
DECALIN	X	X	X	X	X	X	E	E	E	X
DECYL ALCOHOL (Decanol)	X	X	C	X	E	X				E
DECYL ALDEHYDE	F		X	X	X	X				X
DECYL BUTYL PHTHALATE	E		X		X	X				X
DECIL CARBINOL										
DETERGENT, WATER SOLUTION	E	C	C	E	E	E	G	E	E	E

FOR APPLICATIONS INVOLVING INDUSTRIAL ACID CHEMICALS AND ALCOHOLS, PLEASE REFER TO T5050G AND T5090E CHEMICAL HOSES.

ALFAGOMMA® Chemical Resistance Chart

Key to General Chemical Resistance Chart [all data based on 20°C (68°F) unless noted]:
E – Excellent; G – Good; F – Fair; C – Conditional; I – Insufficient Data; X – Not Recommended; Blank – No Data

Chemical or Material Conveyed	COMPOUND									
	CIIR	CR	CSM	EPDM	NBR	NR	SBR	XLPE	UHMWPE	T629AA
DEVELOPING FLUID (PHOTO)	C	E	E	C	E	E	G			E
DEXTRON	X	C	X	X	E	X	X			E
DI (2ETHYLHEXYL) ADIPATE (Dioctyl adipate)	E	X	X	G	X	X		G	G	X
DI (2ETHYLHEXYL) PHTHALATE (Dioctyl phthalate)	C	X	X	C	X	X	X	E	E	X
DI-ISO-BUTYLENE	X	C	X	X	C	X	X	E		C
DI-ISO-DECYL PHTHALATE	E	X	X	E	X	X				X
DI-ISO-PROPANOLAMINE	E	G	F	E	G	G				G
DI-ISO-PROPYL ETHER	X	C	C	X	G	X		E	E	G
DI-ISO-PROPYL KETONE	E	X	X	E	X	X	X	E		X
DI-P-MENTHA-1,8-DIENE (Cinene)	X	X	X	X	C	X				C
DIACETONE ALCOHOL	E	F	C	E	X	X	X	E	E	X
DIACETYLMETHANE (Acetylacetone)	E	X	X	E	X		X			X
DIALLYLPHTHALATE (Diallyl phthalate)										
DIAMMONIUM ORTHOPHOSPHATE		E		E	E					E
DIAMYL NAPHTHALENE	E		X			X		E	E	
DIAMYLAMINE	E	C	C	E	G	G	X			G
DIAMYLENE	X	X	X	X		X				
DIAMYLPHENOL	X		X		X	X		E	E	X
DIBENZYL ETHER	C	X	X	C	X	X	X			X
DIBROMOBENZENE	X	X	X	X	X	X				X
DIBROMOMETHANE (Methylene bromide)	X	X	X	C	X	X				X
DIBUTYL ETHER	C	C	X	C	X	X	X	E	E	X
DIBUTYL PHTHALATE	C	X	X	C	X	X	X	E	E	X
DIBUTYL SEBACATE	C	X	X	C	X	X	X	E	E	X
DIBUTYLAMINE	X	C	C	F	X	X	X			X
DICALCIUM PHOSPHATE	E	E	E	E	E	E				E
DICHLOROETHYLENE (1,2-Dichloroethene)	C	X	X	C	X	X		F	F	X
DICHLOROACETIC ACID	C	X	X	X	X	X	X	E	E	X
DICHLOROBENZENE	X	X	X	X	X	X	X			X
DICHLOROBUTANE	X	X	X	X	C	X	X			C
DICHLORODIFLUOROMETHANE	C	C	C	C	C	C	E	E	G	C
DICHLOROETHANE	C	X	X	X	X	X	X	E	E	X
DICHLOROETHYL ETHER	X	X	X	X	X	X				X
DICHLOROHEXANE	X	X	X	X	X	X				X
DICHLOROMETHANE	X	X	X	X	X	X	X			X
DICHLOROPENTANE	X	X	X	X	X	X	X			X
DICHLOROPROPANE	X	X	X	X	F	X		G	G	F
DICHLOROPROPENE	X	X	X	X	C	X		G	G	C
DICHLOROTOLUENE										
DIESEL OIL	X	C	C	X	E	X	X	E	E	E
DIETHANOL AMINE	E	G	F	G	C	G	X			C
DIETHYLBENZENE	X		X			X	X			
DIETHYL ETHER	X	X	X	X	X	X	X	E	E	X
DIETHYL KETONE	G	X	X	G	X	X		E	E	X
DIETHYL OXALATE	X	X	X	X	X	F				X
DIETHYL PHTHALATE	X	X	X	F	X	X		E	E	X
DIETHYL SEBACATE	G	X	F	F	C	X	X			C
DIETHYL SULFATE	C	E	X	E	X	X	E			X
DIETHYL AMINE	C	C	C	C	C	C	G	E	E	C
DIETHYLENE GLYCOL	E	E	E	E	E	E	E	E	E	E
DIETHYLENE OXIDE	X	X	X	E	X	X				X
DIETHYLENETRIAMINE	E	X	F	E	G	G	X			G

Chemical or Material Conveyed	COMPOUND									
	CIIR	CR	CSM	EPDM	NBR	NR	SBR	XLPE	UHMWPE	T629AA
DIETHYLTRIAMINE										
DIHYDROXY SUCCINIC ACID	G	G	E	G	G	E				G
DIHYDROXYDIETHYL ETHER (Diethylene glycol)	E	E	E	E	E	E		E	E	E
DIISOBUTYL KETONE	G	X	X	E	X	X	X	E	E	X
DIISODECYL PHTHALATE	E	X	X	E	X	X		E	E	X
DIISOOCTYL ADIPATE	E	X	X	E	X	X				X
DIISOOCTYL PHTHALATE	E	X	X	G	X	X		E	E	X
DIMETHYL CARBINOL	E	G	E	E	C	E		E	E	C
DIMETHYL KETONE	E	C	X	E	X	C	F	E	E	X
DIMETHYL PHTHALATE	C	X	X	C	X	X	X	E	E	X
DIMETHYL SULFATE	G	X	X	X	X	X		E	E	X
DIMETHYL SULFIDE	F	X	X	X	X	X				X
DIMETHYL-3-PENTANONE										
DIMETHYL-4-HEPTANONE										
DIMETHYLAMINE	G	X	X	E	F	G	X	E	E	F
DIMETHYLANILINE	G	X	X	E	X	X	X			X
DIMETHYLBENZENE	X	X	X	X	X	X	X			X
DIMETHYLBUTANE (iso-Pentane)	X		X			X				
DIOCTYL ADIPATE	E	X	X	G	X	X				X
DIOCTYL PHTHALATE	C	X	X	C	X	X	X	E	E	X
DIOXALANE							X			
DIOXANE	C	X	X	C	X	X	X	E	E	X
DIPENTENE	X	X	X	X	C	X	X			C
DIPENTYLAMINE (Diamylamine)	E	C	C	E	G	G	X			G
DIPROPYLAMINEOLAMINE										
DIPROPYLENE GLYCOL	E	E	E	E	E	E				E
DISODIUM PHOSPHATE	E	E	E	E	E	E				E
DIVINYL BENZENE	X	X	X	X	X	X	X			X
DOWELL INHIBITOR										
DOWFAX 2A1 SOLVENT										
DOWFAX 2A1 TA										
DOWFAX 6A1 SOLVENT										
DOWFAX 6A1 TA										
DOWTHERMN, A AND E	X	X	C	X	X	X	X			X
DRY CLEANING FLUIDS	X	X	X	X	C	X	X			C
DUCGKIRIOEBAANE										
DURD AW-16,31										
DURO FR-HD										
ETHANOIC ACID (Acetic acid)		C		C	C		G	E	E	C
ETHANOL (Grain alcohol)	E	E	E	E	C	E	E	E	E	E
ETHANOLAMINE	C	C	C	E	C	C	X			C
ETHERS	X	X	X	X	F	X	X	E	E	F
ETHYL ACETATE	C	X	X	C	X	X	X	E	E	X
ETHYL ACETOACETATE	C	X	X	C	X	C	F			X
ETHYL ACETONE (2-Pentanone)	G	X	X	G	X	X				X
ETHYL ACRYLATE	C	X	X	C	X	X	X			X
ETHYL ALCOHOL	E	E	E	E	C	E	E	E	E	E
ETHYL ALDEHYDE	E	X	F	E	X	C		E	E	X
ETHYL ALUMINIUM DICHLORIDE	X		X		X	X				X
ETHYL BENZENE	X	X	X	X	X	X	X	E	E	X
ETHYL BROMIDE	X	X	X	X	C	C	X	E	E	C
ETHYL BUTYL ACETATE	E		G		X	X				X
ETHYL BUTYL ALCOHOL (Ethylbutanol)	E		E			E				

FOR APPLICATIONS INVOLVING INDUSTRIAL ACID CHEMICALS AND ALCOHOLS, PLEASE REFER TO T5050G AND T5090E CHEMICAL HOSES.

Chemical Resistance Chart ALFAGOMMA®

Key to General Chemical Resistance Chart [all data based on 20°C (68°F) unless noted]:
E – Excellent; G – Good; F – Fair; C – Conditional; I – Insufficient Data; X – Not Recommended; Blank – No Data

Chemical or Material Conveyed	COMPOUND									
	CIIR	CR	CSM	EPDM	NBR	NR	SBR	XLPE	UHMWPE	T629AA
ETHYL CELLULOSE	C	C	C	C	C	C	G	E	E	C
ETHYL CHLORIDE	E	X	C	C	E	C	G	E	E	E
ETHYL DICHLORIDE	F	X	X	X	X	X	X	E	E	X
ETHYL DIISOBUTYLTHIO-CABARMATE										
ETHYL ETHER	X	X	X	X	X	X	X	E	E	X
ETHYL FORMATE	C	C	C	C	X	X	X			X
ETHYL IODIDE	F	X	X	F	X	X		E	E	X
ETHYL OXALATE	X	X	X	E	X	E	X			X
ETHYL PHTHALATE	X	X	X	F	X	X		E	E	X
ETHYL SILICATE	E	E	C	E	E	C	G			E
ETHYL-N-BUTYL KETONE	G	X	X	G	X	X				X
ETHYL-1-BUTANOL	E	E	E	E	E	E				E
ETHYLAMINE	C	C	F	E	C	C	X			C
ETHYLENE CHLOROHYDRIN	C	C	C	C	X	C	G			X
ETHYLENE DIAMINE	E	E	C	E	C	C	G	E	E	C
ETHYLENE DIBROMIDE	C	X	X	C	X	X	X	F	F	X
ETHYLENE DICHLORIDE	C	X	X	X	X	X	X	F	F	X
ETHYLENE GLYCOL MONOETHYL ACETATE										
ETHYLENE GLYCOL MONOBUTYL ETHER	E	X	C	E	F	X	X	E	E	F
ETHYLENE GLYCOL MONOETHYL ETHER (Ethoxyethanol)	C	X	X	C	C	X		E	E	C
ETHYLENE GLYCOL MONOEHEXIL ETHER										
ETHYLENE GLYCOL	E	E	E	E	E	E	E	E	E	E
ETHYLENE OXIDE	C	X	X	C	X	X	X	E	E	X
FATTY ACIDS	C	C	C	X	C	X	X	E	G	C
FERRIC BROMIDE	E		E		E	E				E
FERRIC CHLORIDE	E	C	C	E	E	E	E		E	E
FERRIC NITRATE	E	E	E	E	E	E	E		E	E
FERRIC SULFATE	E	E	E	E	E	E	E		E	E
FERROUS ACETATE	E	X	E	G	X	X				X
FERROUS CHLORIDE	E	E	E	E	E	E			E	E
FERROUS SULFATE	E	E	E	E	E	E	E		E	E
FLUOROBORIC ACID	C	E	E	E	E	E	E	E	E	E
FLUORINE	X	X	X	E	X	X		G	G	X
FLUOROSILICIC ACID	E	E	E	E	E	E	G	E	E	E
FORMALDEHYDE	C	C	C	C	C	C	G	E	E	C
FORMALIN (Formaldehyde)	C	G	C	E	G	C	G	E	E	G
FORMIC ACID	E	C	E	E	C	C	E	E	E	C
FREON SO2										
FREON 113	X	E	C	X	E	C	G			E
FREON 12	X	C	E	C	C	X	E	F	G	C
FREON 22	C	E	E	C	X	C	E	F	E	X
FUEL A (ASTM)	X	C	C	X	E	X				E
FUEL B (ASTM)	X	X	X	X	C	X				C
FUEL OIL	X	C	C	X	E	X	X	E	E	E
FURAN (Furfuran)	X	X	X	X	X	X	X	E	E	X
FURFURAL	C	X	C	C	X	X	X	E	E	X
FURFURAN (Furan)	X	X	X	X	X	X	X	E	E	X
FURFURYL ALCOHOL	C	X	X	C	X	X	X	E	E	X
GALLIC ACID	C	C	C	C	C	E	G	E	E	C
GALLOTANNIC ACID	G	E	E	E		E				
GAS, COAL										
GAS, HIGH OCTANE										
GASOLINE	C	X	C	X	E	C	X	E	E	E

Chemical or Material Conveyed	COMPOUND									
	CIIR	CR	CSM	EPDM	NBR	NR	SBR	XLPE	UHMWPE	T629AA
GLACIAL ACRYLIC ACID (Acrylic acid)	X	X	G	X	X	X				X
GLUCONIC ACID	F	E	G	E	C	X				C
GLUCOSE	E	C	E	E	E	E	E	E	E	E
GLYCERINE	E	E	E	E	E	E	E	E	E	E
GLYCEROL	E	E	E	E	E	E	E	E	E	E
GLYCOGENIC ACID (Gluconic acid)	F	E	G	E	F	X				F
GLYCOLS	E	E	E	E	E	E	E	E	E	E
GLYCONIC ACID (Gluconic acid)	F	E	G	E	F	X				F
GLYCLYL ALCOHOL										
GREASE	X	F	C	X	E	X	X			E
GREEN SULPHATE LIQUOR	E	C	G	E	C	C	G			C
HALON 1211										
HELIUM	E	E	E	E	E	E	E			E
HEPTALDEHYDE	C	C	X	C	E	X	X			E
HEPTANAL	C	C	X	C	E	X	X			E
HEPTANE	X	C	C	X	E	X	X		E	E
HEPTANE CARBOXYLIC ACID										
HEPTANOIC ACID	X	C	C	X	E	X				E
HEPTANONE										
HEXADECANOIC ACID	G	X	X	G	E	E	G	E	E	E
HEXALDEHYDE	C	C	C	C	X	X	X	E	E	X
HEXANE	X	C	C	X	E	X	X	E	E	E
HEXANOL	C	C	C	C	C	E	E	E	E	C
HEXENE	X	C	C	X	C	X	X			C
HEXYL ALCOHOL	C	C	C	C	C	E	E	E	E	C
HEXYL METHYL KETONE (Methyl hexyl ketone)	G	C	X	G	X	X				X
HEXYLAMINE	G	G	F	G	F	F				F
HEXYLENE GLYCOL	E	E	E	F	C	E				C
HISTOWAX (Paraffin Wax)	X		C			X				
HYDRAULIC & MOTOR OIL	C	C	C	C	C	X	X	E	E	C
HYDRAZINE	C	C	C	E	C	C	G			C
HYDROBROMIC ACID	E	C	E	E	X	E	X	E	E	X
HYDROCLORIC ACID	C	C	C	C	C	C	X	C	C	C
HYDROCYANIC ACID	C	C	E	E	C	C	G			C
HYDROFLUORIC ACID	C	C	E	C	C	C	X	E	E	C
HYDROFLUOSILICIC ACID	E	C	E	E	X	E	G	E	E	X
HYDROGEN CHLORIDE ANHYDROUS	E	C	E	E	X	X	X			X
HYDROGEN DIOXIDE (10%) (Hydrogen peroxide)	G	F	C	G	F	G				F
HYDROGEN GAS	E	E	E	E	E	C	G	E	E	E
HYDROGEN PEROXIDE OVER 10%	C	X	C	C	X	C	X	C	F	X
HYDROGEN PEROXIDE 10%	G	F	C	G	F	G	X	E	E	F
HYDROGEN SULFIDE (WET)	E	E	G	E	X	X	X	E	E	X
HYDROXY BENZENE (Phenol)	C	X	C	C	X	C				X
HYDROXYISOBUTYRONIRILE (Acetone cyanohydrin)	E	G	F	E	C	C				C
HYDROXYTOLUENE (Benzyl alcohol)	C	C	C	C	X	X	X			X
HYVAR VXL										
IMINODI-2-PROPANOL (Diisopropanolamine)	E	G	F	E	G	G				G
IMINODIETHANOL (Diethanolamine)	C	G	F	G	C	C	X			C
IODINE	C	C	C	C	C	X	G	E	E	C
IODINE PENTAFLUORIDE	X	X	X	X	X	X	X			X

FOR APPLICATIONS INVOLVING INDUSTRIAL ACID CHEMICALS AND ALCOHOLS, PLEASE REFER TO T5050G AND T5090E CHEMICAL HOSES.

ALFAGOMMA® Chemical Resistance Chart

Key to General Chemical Resistance Chart [all data based on 20°C (68°F) unless noted]:
E – Excellent; G – Good; F – Fair; C – Conditional; I – Insufficient Data; X – Not Recommended; Blank – No Data

Chemical or Material Conveyed	COMPOUND									
	CIIR	CR	CSM	EPDM	NBR	NR	SBR	XLPE	UHMWPE	T629AA
IODOFORM	X	X	X	E	E	X				E
ISO-BUTANAL (Isobutyraldehyde)		F		G	X	X	G	E	E	X
ISO-BUTYLAMINE	E	X	F	G	X	F				X
ISO-BUTYLBROMIDE	X	X	X	X	X	X				X
ISO-BUTYLCARBINOL (Isoamyl alcohol)	E	E	E	E	E	X				E
ISOCYANATES	G	X	F	G	C	F		E	E	C
ISOOCTANE	X	C	C	X	E	X	X	E	E	E
ISOPROPYL ACETATE	C	X	X	C	X	X	X	E	E	X
ISOPROPYL ALCOHOL	E	C	E	E	C	E	E	E	E	C
ISOPROPYL ETHER	X	X	C	X	G	X	X	E	E	G
JET FUELS	X	C	X	X	C	X	X	E	E	C
JP-4 OIL	X	X	X	X	E	X	X			E
KEROSENE	X	C	C	X	E	X	X	E	E	E
KETONES	G	C	C	E	C	C	E	E	E	C
LACQUER SOLVENTS	X	X	X	X	X	X		E	E	X
LACTIC ACID - COLD	E	C	E	C	C	E	G	G	G	C
LACTIC ACID - HOT	E	C	E	C	C	E	X	G	G	C
LARD	C	C	C	C	E	X	X	E	E	E
LAVENDER OIL	X	X	X	X	C	X	X			C
LEAD ACETATE	E	C	X	E	C	E	X	E	E	C
LEAD NITRATE	E	E	E	E	E	E	E			E
LEAD SULFATE	E	E	E	E	E	E		E	E	E
LIME	E	G	G	E	G	E		E	E	G
LIME BLEACH (Calcium hypochlorite)	E	C	E	E	C	C	E			C
LIME SULFUR	E	E	E	E	E	C	X	E	E	E
LIMONENE (Dipentene)	X	X	X	X	C	X				C
LINOLEIC ACID	X	C	X	X	C	X	X			C
LINSEED OIL	C	C	C	C	E	X	X	E	E	E
LIQUID PETROLEUM GAS (LPG)	X	G	C	X	E	X	X	E	E	E
LUBRICATING OIL	X	C	C	X	C	X	X	E	E	C
LYE SOLUTIONS (Caustic soda solution)	E	G	E	G	C	E	G			C
MEK	E	X	X	E	X	X	X	E	E	X
MAGNESIUM ACETATE	E	X	E	G	X	X	X			X
MAGNESIUM CHLORIDE	E	E	E	E	E	E	E	E	E	E
MAGNESIUM HYDRATE (Magnesium hydroxide)	E	C	E	E	C	C	G	E	E	C
MAGNESIUM HYDROXYDE	E	C	E	E	C	C	G	E	E	C
MAGNESIUM SULFATE	E	E	E	E	E	C	G	E	E	E
MALEIC ACID	X	X	X	C	X	X	X	E	E	X
MALEIC ANHYDRIDE	C	X	X	C	X	X	X			X
MALIC ACID	X	C	C	C	E	E	G	C	C	E
MANGANOUS SULFATE	G	E	E	E	E	G				E
MAPP										
MERCURY	E	E	E	E	E	E	E	E	E	E
MERCURY VAPORS	E	G	E	E	E	G	E			E
MESITYL OXIDE	F	X	X	C	X	X	X			X
METHALLYL ALCOHOL	E	E	E	E	E	E				E
METHALLYL CHLORIDE	X	X	X			X				
METHANE CARBOXYLIC ACID *see Acetic Acid								E	E	
METHANOIC ACID (Formic acid)	E	E	E	E	G	C	E	E	E	G
METHANOL (Methyl alcohol)	C	E	E	E	C	E	E	E	E	C
METHANOL (Wood alchol)	C	E	E	E	C	E	E	E	E	C
METHOXY ETHANOL	E	E	E	E	C	E		E	E	C

Chemical or Material Conveyed	COMPOUND									
	CIIR	CR	CSM	EPDM	NBR	NR	SBR	XLPE	UHMWPE	T629AA
METHOXYETHOXY ETHANOL										
METHOXYPROPENYL BENZENE										
METHYL ACETATE	C	C	X	C	X	C	X			X
METHYL ACETOACETATE	C	X	X	C	X	X	X			X
METHYL ACETONE (Ethyl methyl ketone)	E	X	X	E	X	X	X	E	E	X
METHYL ACETYLENE PROPADIENE										
METHYL ALLYL ALCOHOL										
METHYL ALLYL CHLORIDE (Methylallyl chloride)	X	X	X			X				
METHYL AMYL CARBINOL (s-Heptyl alcohol)	G	G	E	E	E	G				E
METHYL BENZENE (Toluene)	X	X	X	X	X	X	X	F	F	X
METHYL BROMIDE	C	X	X	X	C	X	X	F	F	C
METHYL BUTANE (iso-Pentane)	X	X	X	X	E	X				E
METHYL BUTYL ALCOHOL										
METHYL BUTYL KETONE	E	X	X	E	X	X	X	E	E	X
METHYL CARBITOL (Diethylene glycol monomethyl ether)		F		G	F					F
METHYL CELLOSOLVE	C	C	C	C	C	X	X	E	E	C
METHYL CHLORIDE	C	X	X	C	X	X	X	F	F	X
METHYL CYANIDE	E	E	G	E	C	G				C
METHYL ETHYL KETONE	E	X	X	E	X	X	X	E	E	X
METHYL HEXANOL	E	E	E	E	E	E				E
METHYL METHACRILATE	X	X	X	X	X	X	X	E	E	X
METHYL NORMAL AMYL KETONE		E	X	E	C	X				C
METHYL PROPYL ETHER	X	X	C	X	X	X				X
METHYL SALYCILATE	C	X	X	C	X	X		E	E	X
METHYL STYRENE (p-Vinyltoluene)	X	X	X	X	X	X				X
METHYL SULFIDE (Dimethyl sulfide)	F	X	X	X	X	X				X
METHYL TERTIARY METYL ETHER										
METHYL 1-2, 4-PENTANEDIOL										
METHYL-ISO-AMYL-KETONE	G		X			X				
METHYL-L-PROPANOL										
METHYL-2-BUTANOL										
METHYL-2-BUTANONE (Methyl isopropyl ketone)	C	X	X	C	X	X	X			X
METHYL-2-HEXANONE (Methyl isoamyl ketone)	G		X			X				
METHYL-2-PENTANOL (Methyl amyl alcohol)	E	G	E	E	G	G				G
METHYL-2-PENTANONE (Methyl isobutyl ketone)	C	X	X	C	X	X				X
METHYL-2-PROPEN-L-OL										
METHYL-3-PENTEN-1-ONE										
METHYL-4-ISOPROPYL BENZENE (Cymene)	X	X	X	X	X	X				X
METHYL AMYL ACETATE			X			X				
METHYL AMYL ALCOHOL	E	G	E	E	G	G				G
METHYLCYCLOHEXANE	X	X	C	X	X	X				X
METHYLENE BROMIDE	X	X	X	X	C	X		E	E	C
METHYLENE CHLORIDE	X	X	X	C	X	X	X	F	F	X
METHYLETHYL KETONE	E	X	X	E	X	X	X			X
METHYL HEXYL KETONE	G	C	X	G	X	X		E		X
METHYL ISOBUTYL CARBINOL (Methyl amyl alcohol)	E	X	E	C	X	G				X

FOR APPLICATIONS INVOLVING INDUSTRIAL ACID CHEMICALS AND ALCOHOLS, PLEASE REFER TO T5050G AND T5090E CHEMICAL HOSES.

Chemical Resistance Chart ALFAGOMMA®

Key to General Chemical Resistance Chart [all data based on 20°C (68°F) unless noted]:
E – Excellent; G – Good; F – Fair; C – Conditional; I – Insufficient Data; X – Not Recommended; Blank – No Data

Chemical or Material Conveyed	COMPOUND									
	CIIR	CR	CSM	EPDM	NBR	NR	SBR	XLPE	UHMWPE	T629AA
METHYLISOBUTYL KETONE	C	X	X	C	X	X	X	E	E	X
METHYLISOPROPYL KETONE	C	X	X	C	X	X	X			X
METHYLLACTONITRILE (Acetone cyanohydrin)	E	G	F	E	X	F				X
M-ETHYLPHENOL										
METHYLPROPYL CARBINOL	E		E		E	E				E
METHYLPROPYL KETONE	G	X	X	G	X	X		E	E	X
MIL-A-6091	E	E	E	E	C	E				C
MIL-C-4339	X	X	X	X	E	X				E
MIL-C-7024	X	C	X	X	E	X				E
MIL-E-9500	E	E	E	E	E	E	E			E
MIL-F-16884	X	C	C	X	E	X	X			E
MIL-F-17111	X	C	X	X	E	X	X			E
MIL-F-25558 (RJ-1)	X	C	C	X	E	X	X			E
MIL-G-10924	X	C	C	X	E	X	X			E
MIL-G-25013	X	C	C	E	E	C	X			E
MIL-G-25537	X	C	C	X	E	X	X			E
MIL-G-3545	X	C	C	X	E	X				E
MIL-G-5572	X	X	X	X	E	X	X			E
MIL-G-7711	X	X	X	X	E	X	X			E
MIL-H-05606 (HFA)	X	C	C	C	E	X				E
MIL-H-13910	G	E	G	E	E	E	E			E
MIL-H-19457	E	X	X	C	X	X	X			X
MIL-H-22251	E	C	C	E	C		G			C
MIL-H-27601	X	C	C	X	G	X				G
MIL-H-5606 (J43)	X	C	C	C	E	X				E
MIL-H-6083	X	E	C	X	E	C	X			E
MIL-H-8446 (MLO-8515)	X	E	C	X	G	X	X			G
MIL-J-5161	X	X	X	X	C	X	X			C
MIL-J-5624 (JP-3,JP-4,JP-5)	X	X	X	X	E	X	X			E
MIL-L-15016	X		C			X	X			
MIL-L-17331	X		G			X	X			
MIL-L-2104	X	C	C	X	E	X				E
MIL-L-21260	X	C	C	X	E	X	X			E
MIL-L-23699	X	C	C	X	C	X	X			C
MIL-L-25681	E	C	C	E	C	C	G			C
MIL-L-3150	X	C	C	X	E	X	X			E
MIL-L-4343							X			
MIL-L-6082							X			
MIL-L-6085	X	X	X	X	C	X	X			C
MIL-L-7808	X	X	X	X	G	X	X			G
MIL-L-7870	X	C	X	X	E	X	X			E
MIL-L-9000	X	C	C	X	E	X	X			E
MIL-L-9236	X	X	X	X	C	X	X			C
MIL-P-27402	E	C	C	E	C		G			C
MIL-R-25567 (RP-1)										
MIL-R-25576 (RP-1)	X		C			X				
MIL-S-3136 TYPE 1 FUEL	X	C	C	X	E	X	X			E
MIL-S-3136 TYPE 2 FUEL	X	X	X	X	C	X	X			C
MIL-S-3136 TYPE 3 FUEL	X	X	X	X	G	X	X			G
MIL-S-3136 TYPE 4 OIL, LOWSWELL	X	X	C	X	E	X	X			E
MIL-S-3136 TYPE 5 OIL, MEDSWELL	X	G	G	X	E	X	X			E
MIL-S-3136 TYPE 6 OIL, HI SWELL	X	X	C	X	E	X	X			E
MIL-S-81087	E	E	E	E	E	E	E			E

Chemical or Material Conveyed	COMPOUND									
	CIIR	CR	CSM	EPDM	NBR	NR	SBR	XLPE	UHMWPE	T629AA
MINERAL OIL	C	C	C	X	E	X	X	E	E	E
MINERAL SPIRITS	X	C	G	X	C	X	X			C
MOBILE HF A	X	C	X	X	E	X	X			E
MOLTEN SULFUR	G	E	E	E	G	G				G
MONO-CHLOROACETIC ACID	G	C	G	G	X	C	X	E	E	X
MONOBUTYL ETHER	C	C	C	C	G	X	X			G
MONOCHLOROBENZENE	X	X	X	X	X	X	X	F	F	X
MONOCHLORODIFLUOROMETHANE (Chlorodifluoromethane)	C	C	E	C	X	C	E	E	E	X
MONOETHANOL AMINE	C	G	C	C	G	C	G			G
MONOETHYL AMINE	C	C	F	E	C	C	F			C
MORPHOLINE	C	X	X	C	X	X				X
MOTOR OIL, 40W	X	C	C	X	E	X				E
MTBE (Methyl tert-butyl ether)	G	X			X					X
MURIATIC ACID (Hydrogen chloride)	C	C	C	F	C	C	X			C
N-BUTANAL (Butyraldehyde)	C	X	X	C	X	X	X	E	E	X
N-BUTYLAMINE	C	X	X	C	C	X	X			C
N-BUTYLBENZENE	X	X	X	X	X	X				X
N-BUTYLBROMIDE	X	X	X	X	X	X				X
N-BUTYLBUTYRATE	E	X	X	E	X	X	X			X
N-BUTYLCARBINOL (Pentyl alcohol)	E	E	E	E	E	E		E	E	E
N-NONYL ALCOHOL	E	E	E	E	E	E				E
N-OCTANE	X	G	X	X	C	X	X	E	E	C
N-SERV (75% XYLENE)										
NA-K										
NAPHTHA	X	X	C	X	C	X	X	E	E	C
NAPHTHALENE	X	X	X	X	X	X	X	E	E	X
NAPHTHENIC ACID	X	X	X	X	C	X	X			C
NATURAL GAS	X	E	E	X	E	C	F	E	E	E
NEOHEXANE	X	G	X	X	E	X				E
NEON GAS	E	E	E	E	E	E	E			E
NEU-TRI	X		X		X	X				X
NICKEL ACETATE	E	G	X	E	C	E	X			C
NICKEL CHLORIDE	E	C	E	E	E	E	E	E	E	E
NICKEL NITRATE	E	E	E	E	E	E		E	E	E
NICKEL SULFATE	E	E	E	E	E	C	G	E	E	E
NIETYLENE										
NITRIC ACID, CONC (16N)	X	X	X	X	X	X				X
NITRIC ACID, RED FUMING	X	X	X	X	X	X	X	X	X	X
NITRIC ACID, 10%	E	G	E	E	X	X	X	E	E	X
NITRIC ACID, 13N		X			X	X				X
NITRIC ACID, 13N +5%		X			X	X				X
NITRIC ACID, 20%	G	X	E	E	X	X	X	E	E	X
NITRIC ACID, 30%	F	X	E	F	X	X	X	G	G	X
NITRIC ACID, 30% - 70%	F	X	C	X	X	X	X	F	F	X
NITRILOTRIETHANOL (Triethanolamine)	E	C	C	E	F	C	G	E	E	F
NITROBENZENE	F	X	X	C	X	X	X	E	E	X
NITROETHANE	G	C	G	C	X	G	G			X
NITROGEN	E	E	E	E	E	E	E	E	E	E
NITROMETHANE	G	C	C	C	X	G	C			X
NITROUS OXIDE GAS		G		E	E					E
NONANOIC ACID	E		X		E	X		E	E	E
NONANOL (Nonyl alcohol)	E	E	E	E	E	E				E
NUTO H										

FOR APPLICATIONS INVOLVING INDUSTRIAL ACID CHEMICALS AND ALCOHOLS, PLEASE REFER TO T5050G AND T5090E CHEMICAL HOSES.

ALFAGOMMA® Chemical Resistance Chart

Key to General Chemical Resistance Chart [all data based on 20°C (68°F) unless noted]:
E – Excellent; G – Good; F – Fair; C – Conditional; I – Insufficient Data; X – Not Recommended; Blank – No Data

Chemical or Material Conveyed	COMPOUND									
	CIIR	CR	CSM	EPDM	NBR	NR	SBR	XLPE	UHMWPE	T629AA
NYVAC LIGHT										
OCTANOIC ACID (n-Caprylic acid)	F		G		F	F				F
OCTANOL (Octyl alcohol)	C	C	C	C	C	C	E			C
OCTYL ACETATE	E	C	E	G	C	C	X	E	E	C
OCTYL ALCOHOL	C	C	C	C	C	C	E			C
OCTYL ALDEHYDE	F		X		X	X		E	E	X
OCTYL AMINE	E	G	F	G	F	F				F
OCTYL CARBINOL	E	E	E	E	E	E				E
OCTYLENE GLYCOL	E	E	E	E	E	E				E
OIL-PETROLEUM							X	G	G	
OLEIC ACID	X	F	C	X	G	X	X	E	E	G
OLEUM (Fuming sulfuric acid)	X	X	X	X	X	X	X	X	X	X
OLIVE OIL	C	G	C	G	E	X	X			E
ORTHO-DICHLOROBENZENE	X	X	X	X	X	X	X			X
ORTHO-DICHLOROBENZOL (o-Dichlorobenzene)	X	X	X	X	X	X	X			X
ORTHOXYLENE	X	X	X	X	X	X	X			X
OXALIC ACID	E	G	E	E	G	C	G	E	E	G
OXYDIETHANOL										
OZONE	G	F	G	E	X	X	X	E	E	X
P-CYMENE	X	X	X	X	X	X				X
PAINT THINNER	X	X	X	X	X	X	X			X
PALMITIC ACID	C	G	C	C	E	C	G	E	E	E
PAPERMAKERS ALUM										
PARA-DICHLOROBENZENE	X	X	X	X	X	X	X			X
PARAFFIN WAX	X	G	E	X	E	X				E
PARALDEHYDE	E	G	X	E	C	F				C
PARAXYLENE (p-Dimethylbenzene)	X	X	X	X	X	X				X
PCB										
PELARGONIC ALCOHOL (Nonyl alcohol)	E	E	E	E	E	E		E	E	E
PENTACHLOROETHANE	X	X	X		X	X				X
PENTADIONE										
PENTAMETHYLENE (Cyclopentane)	X	C	X	X	G	X				G
PENTANE	X	E	C	X	E	X	X	E	E	E
PENTANOL (Pentyl alcohol)	E		E			E		E	E	
PENTANONE	G	X	X	G	X	X				X
PENTASOL (Pentachlorophenol)	E	G	E	G	C	X	G	E	E	C
PENTYL ACETATE (Amyl acetate)	X	X	X	C	X	C	X	E	E	X
PENTYL ALCOHOL (n-Amyl alcohol)	C	C	E	E	C	C	G	E	E	C
PENTYL BROMIDE (Amyl bromide)	X	X	X	C	X	X				X
PENTYL CHLORIDE (Amyl chloride)	X	X	X	X	X	X	X	E	E	X
PENTYL ETHER (Amyl ether)	X	X	F	X	C	X				C
PENTYLAMINE (Amylamine)	G	F	F	X	F	F				F
PERCHLORIC ACID	C	E	C	G	X	C	X	E	E	X
PERCHLOROETHYLENE (Tetrachloroethylene)	X	X	X	X	F	X	X	E	E	F
PERCHLOROMETHANE (Carbon tetrachloride)	X	X	X	X	X	X				X
PETROLEUM CRUDE	X	G	E	X	G	X	X	E	E	G
PETROLEUM ETHER	X	X	C	X	E	X	X			E
PETROLEUM OILS	X	G	G	X	X	X	X	E	E	X
PHENBO										
PHENOL	C	X	C	X	X	C	X	E	E	X
PHENOLSULFONIC ACID	G	C	C	E	C	C	X			C

Chemical or Material Conveyed	COMPOUND									
	CIIR	CR	CSM	EPDM	NBR	NR	SBR	XLPE	UHMWPE	T629AA
PHENYLAMINE (Aniline)	E	X	C	C	X	X		E	E	X
PHENYLBROMIDE (Bromobenzene)	X		X			X				
PHENYLBUTANE										
PHENYLCHLORIDE (Chlorobenzene)	X	X	X	X	X	X		E	E	X
PHENYLETHYLENE (Styrene)	X	X	X	X	X	X	X			X
PHENYLMETHANE (Toluene)	X	X	X	X	X	X		E	E	X
PHENYLMETHANOL (Benzyl alcohol)	E	C	C	C	X	X				X
PHENYLMETHYL ACETATE (Acetic acid)										
PHOSPHATE ESTERS	E	X	X	E	X	X	X			X
PHOSPHORIC ACID 10%	E	E	E	E	E	E	E	E	E	E
PHOSFORIC ACID 10% - 85%	E	G	E	E	G	G	G	E	E	G
PHOSPHORUS TRICHLORIDE	E	X	X	E	X	X	X	E	E	X
PICRIC ACID, H20 SOLUTION	G	E	E	E	E	C	G			E
PINE OIL	X	X	X	X	E	X	X	E	E	E
PINENE	X	C	X	X	C	X	X			C
POLY CHLORINATED BIPHENOL										
POLYETHYLENE GLYCOL E-400	E	G	E	E	C	E				C
POLYOL ESTER		X		X	G					G
POLYPROPYLENE GLYCOL	E	E	E		E	E		E	E	E
POTASSIUM ACETATE	E	E	E	E	C	E	X			C
POTASSIUM BISULFATE	E	E	E	E	E	E	G			E
POTASSIUM BISULFITE	E	E	E	E	E	E	G			E
POTASSIUM CARBONATE	E	E	E	E	E	E	E	E	E	E
POTASSIUM CHLORIDE	E	E	G	E	E	E	E	E	E	E
POTASSIUM CHROMATE	E	E	F	E	G	G	G			G
POTASSIUM CYANIDE	E	E	E	E	E	E	E	E	E	E
POTASSIUM DICHROMATE	E	E	G	E	E	C	G	E	E	E
POTASSIUM HYDRATE (Potassium hydroxide)	E		E			C	G	E	E	
POTASSIUM HYDROXYDE	E	G	E	E	G	C	G	E	E	G
POTASSIUM NITRATE	E	E	E	E	E	E	E	E	E	E
POTASSIUM PERMANGANATE, 5%	E	E	G	E	F	E	G	E	E	F
POTASSIUM SILICATE	E	E	E	E	E	E	E			E
POTASSIUM SULFATE	E	E	E	E	E	C	G	E	E	E
POTASSIUM SULFIDE	E	E	E	E	C	G	G			C
POTASSIUM SULFITE	E	E	C	E	E	C	G	E	E	E
PRESTONE ANTIFREEZE	E	E	E	E	E	E	E			E
PRODUCER GAS	X	G	C	X	E	X	X			E
PROPANE	X	E	C	X	E	X	X	E	E	E
PROPANEDIOL	E	G	E	E	E	E	E	E	E	E
PROPANETRIOL	E	E	E	E	E	E	E	E	E	E
PROPANOL	E	E	E	E	E	E	E	E	E	E
PROPANOLAMINE										
PROPANONE	E	X	C	E	X	C	G	E	E	X
PROPENOL	E		E			E				
PROPANEDIAMINE	E		F		G	G				G
PROPENE NITRILE	X	X			X	G		E	E	X
PROPENYL ALCOHOL (Allyl Alcohol)	E	E	E	E	E	E		E	E	E
PROPENYL ANISOLE	X		X		X	X		E	E	X
PROPIONIC ACID	E	C	G	E	C	E	X			C
PROPIONITRILE	E	C		C	E	E				E
PROPYL ACETATE	C	X	X	C	X	X	X	E	E	X
PROPYL ALCOHOL	E	E	E	E	E	E	E	E	E	E
PROPYL ALDEHYDE	G	X	X	G	X	F				X

FOR APPLICATIONS INVOLVING INDUSTRIAL ACID CHEMICALS AND ALCOHOLS, PLEASE REFER TO T5050G AND T5090E CHEMICAL HOSES.

Chemical Resistance Chart ALFAGOMMA®

Key to General Chemical Resistance Chart [all data based on 20°C (68°F) unless noted]:
E – Excellent; G – Good; F – Fair; C – Conditional; I – Insufficient Data; X – Not Recommended; Blank – No Data

Chemical or Material Conveyed	COMPOUND									
	CIIR	CR	CSM	EPDM	NBR	NR	SBR	XLPE	UHMWPE	T629AA
PROPYL BENZENE	X	X	X			X				
PROPYL CHLORIDE	F	F	X	F	X	X				X
PROPYL ETHER										
PROPYL NITRATE	C	X	X	C	X	X	X			X
PROPYLENE	X	X	X	X	X	X	X			X
PROPYLENE DIAMINE	E		F		G	G				G
PROPYLENE GLYCOL	E	E	E	E	E	E	E	E	E	E
PYDRAUL, 'E' SERIES	C	X	X	C	X	X	X			X
PYDRAULIC 'C'	X	X	X	X	X	X	X			X
QUINTOLUBRIC 822 SERIES										
RED OIL	X	F	C	F	E	X	X	E	E	E
REFRIGERANT 11 (Freon 11)	X		E			X	X	E	E	
REFRIGERANT 12 (Freon 12)	X		E			X	E	E	E	
REFRIGERANT 22 (Freon 22)	X		E			C	E	E	E	
RESORCINOL	E	A	G	G	C	E	G			C
SAE NO. 10 OIL	X	C	X	X	E	X	X			E
SAL AMMONIAC	E	E	E	E	E	E	E	E	E	E
SEA WATER	E	E	E	E	E	E	E	E	E	E
SEWAGE	G	C	E	G	E	G	G	E	E	E
SILICATE ESTERS	X	E	G	X	G	X	C			G
SILICATE OF SODA (Sodium silicate)	E	E	E	E	E	E	E			E
SILICONE GREASE	E	E	E	E	E	E	E	E	E	E
SILICONE OIL	E	E	E	E	E	E	E	E	E	E
SILVER NITRATE	E	E	E	E	C	E	G	E	E	C
SKYDROL 500 TYPE 2	G	X	X	E	X	X	X			X
SKYDROL 500B	G	X	X	E	X	X	X			X
SKYDROL 500C	G	X	X	E	X	X	X			X
SKYDROL 7000 TYPE 2	E	X	X	E	X	E	X			X
SOAP SOLUTIONS	E	G	E	E	E	F	X	E	E	E
SODA ASH	E	E	E	E	E	E	X	E	E	E
SODA LIME	E	G	G	E	G	E				G
SODA NITER	E	G	E	E	E	G	G	E	E	E
SODIUM ACETATE	F	C	G	E	G	F	X	E	E	G
SODIUM ALUMINATE	E	E	E	E	E	E	G			E
SODIUM BICARBONATE	E	E	E	E	E	E	E	E	E	E
SODIUM BISULFATE	E	E	E	E	E	E	G	E	E	E
SODIUM BISULFITE	E	E	E	E	E	E	G	E	E	E
SODIUM BORATE	E	E	E	E	E	E	E	E	E	E
SODIUM CARBONATE	E	E	E	E	E	E	E	E	E	E
SODIUM CHLORIDE	E	E	E	E	E	E	E	E	E	E
SODIUM CYANIDE	E	E	E	E	E	E	E	E	E	E
SODIUM DICHROMATE	E	F	G	E	E	X	G			E
SODIUM HYDRATE (Sodium hydroxide)	E	G	C	E	X	E	G	E	E	X
SODIUM HYDROCHLORITE	G	F	E	G	F	F	G			F
SODIUM HYDROXIDE (Caustic soda)	E	G	C	E	X	E	G	E	E	X
SODIUM HYPOCHLORITE	C	C	G	E	C	X	F	E	E	C
SODIUM METAPHOSPHATE	G	E	C	E	E	E	E	E	E	E
SODIUM NITRATE	E	G	E	E	C	G	G	E	E	C
SODIUM PERBORATE	E	G	E	E	C	G	G			C
SODIUM PEROXIDE	E	G	G	E	C	C	G	E	E	C
SODIUM PHOSPHATE	E	G	E	E	E	E	E	E	E	E
SODIUM SILICATE	E	E	E	E	E	E	E	E	E	E
SODIUM SULFATE	E	E	E	E	E	C	G	E	E	E
SODIUM SULFIDE	E	E	E	E	E	G	G	E	E	E

Chemical or Material Conveyed	COMPOUND									
	CIIR	CR	CSM	EPDM	NBR	NR	SBR	XLPE	UHMWPE	T629AA
SODIUM SULFITE	E	E	E	E	E	G	G	E	E	E
SODIUM THIOSULFATE	E	E	E	E	C	G		E	E	C
SOYBEAN OIL	G	E	G	C	E	X	X			E
STANNIC CHLORIDE	E	G	E	E	E	E	E	E	E	E
STANNIC SULFIDE	E	E	E	E	E	E				E
STANNOUS CHLORIDE	E	E	E	G	E	E	E	E	E	E
STANNOUS SULFIDE	E	E	E	E	E	E				E
STEAM, BELOW 350 DEG F	G	X	C	E	X	C	X	X	X	X
STEARIC ACID	C	G	G	G	G	C	G	E	E	G
STODDARD SOLVENT	X	G	X	X	E	X	X	E	E	E
STYRENE	X	X	X	X	X	X	X	F	F	X
SULFAMIC ACID	E	G	E	E	C	G				C
SULFUR	E	E	E	E	X	X	X	E	E	X
SULFUR CHLORIDE	X	E		E	C	X	X			C
SULFUR DIOXIDE	C	C	C	E	X	C	G		G	X
SULFUR TRIOXIDE, DRY	G	X	X	E	X	C	X	X	X	X
SULFURIC ACID 60% (200°F)	E	X	G	E	G	X	X	X	X	G
SULFURIC ACID, CONC.	X	X	X	X	X	X	X	F	F	X
SULFURIC ACID, FUMING	X	X	X	X	X	X	X	X	X	X
SULFURIC ACID, 25%	G	C	E	E	C	E	F	E	E	C
SULFURIC ACID, 25%-50%	G	X	G	E	C	G	F	E	E	C
SULFURIC ACID, 50%-96%	C	X	C	X	X	C	X	G	G	X
SULFUROUS ACID, 10%	E	C	E	E	E	G	G	E	E	E
SULFUROUS ACID, 10%-75%	E	C	E	E	F	G	G	E	E	F
SUTAN										
T-BUTYL AMINE	C	X	X	C	C	X				C
TALL OIL	X	C	F	X	E	X	X			E
TALLOW	X	G	F	E	E	X	X	E	E	E
TANNIC ACID	E	E	E	E	E	E	G	E	E	E
TAR	X	X		X	X	X	X	X	F	X
TAR BITUMINOUS	X	C	X	X	G	X	X			G
TARTARIC ACID	G	E	E	G	E	E	G	E	E	E
TELLONE 2						C				
TERTIARY BUTYL ALCOHOL	C	C	C	C	C	C	G			C
TERPINEOL	C		X			X	X			
TERTIARY BUTYL AMINE	C	X	X	C	C	X				C
TERTIARY BUTYL MERCAPTAN	X	X	X	X	X	X	X			X
TEST ENTRY										
TEST ENTRY 1										
TETRACHLOROBENZENE	X	X	X	X	X	X				X
TETRACHLOROETHANE	X	X	X	X	X	X	X	F	F	X
TETRACHLOROETHYLENE	X	X	X	X	C	X	X	F	F	C
TETRACHLOROMETHANE	X	X	X	X	X	X		E	E	X
TETRACHLORONAPHTHALENE	X	X	X	X	X	X		E	E	X
TETRAETHYLENE GLYCOL	E	E	E	E	E	E				E
TETRAETHYLORTHOSILICATE	E	E		E	E	X				E
TETRAHYDROFURAN (THF)	C	X	X	X	X	X	X			X
TIN CHLORIDE	E	C	C	E	E	E		E	E	E
TITANIUM TETRACHLORIDE	X	C	X	X	C	X	X			C
TOLUENE	X	X	X	X	X	X	X	E	E	X
TOLUIDINE	X	X	X	X	C	X		E	F	C
TOLUOL (Toluene)	X	X	X	X	X	X	X	E	E	X
TRANSFORMER OIL	X	C	C	X	C	X	X	E	E	C
TRANSMISSION 'A' OIL	X	C	C	X	E	X				E

FOR APPLICATIONS INVOLVING INDUSTRIAL ACID CHEMICALS AND ALCOHOLS, PLEASE REFER TO T5050G AND T5090E CHEMICAL HOSES.

ALFAGOMMA® Chemical Resistance Chart

Key to General Chemical Resistance Chart [all data based on 20°C (68°F) unless noted]:
E – Excellent; G – Good; F – Fair; C – Conditional; I – Insufficient Data; X – Not Recommended; Blank – No Data

Chemical or Material Conveyed	COMPOUND									
	CIIR	CR	CSM	EPDM	NBR	NR	SBR	XLPE	UHMWPE	T629AA
TRI(2-HYDROXYETHYL) AMINE (Triethanolamine)	E	C	C	E	G	C				G
TRIBUTYL PHOSPHATE	G		X	G	F	C	X			F
TRIBUTYLAMINE	E		F		G	G				G
TRICHLOROACETIC ACID	C	C	X	C	C	C	X			C
TRICHLOROBENZENE	X	X	X	X	C	X	X	F	F	C
TRICHLOROETHANE	X	X	X	X	X	X	X			X
TRICHLOROETHYLENE	X	X	X	X	X	X	X	F	F	X
TRICHLOROMETHANE	X	X	X	X	X	X	X	F	F	X
TRICHLOROTOLUENE (Benzotrichloride)		X	X	E	X	X				X
TRICRESYL PHOSPHATE	E	X	X	E	X	X	X			X
TRIETHANOLAMINE	E	C	C	E	C	C	G	E	E	C
TRIETHYLAMINE	G	G	E	E	E	G	X			E
TRIETHYLENE GLYCOL	E	E	E	E	C	E		E	E	C
TRIHYDROXYBENZOIC ACID	C	C	G	C	C	E				C
TRIMETHYL PENTANE (MIXED)	X	G	C	X	E	X	X			E
TRIMETHYL PENTENE										
TRIMETHYLAMINE	E	E	E	C	C	E				C
TRISODIUM PHOSPHATE	E	E	E	E	E	E	E	E	E	E
TRITOYL PHOSPHATE	E	C	C	E	X	X	X			X
TUNG OIL	C	C	C	X	E	X	X	E	E	E
TUNG OIL (CHINA OIL)	C	C	C	X	E	X	X	E	E	E
TURPENTINE	X	X	X	X	E	X	X	E	E	E
UNSYMETRICAL DIMETHYL HYDRAZINE (UDMH)	E	C	E	E	C	E	X			C
UNDECYL ALCOHOL	E	E	E	E	E	E				E
UREA (Carbammide)	E	G	E	E	G	E		E	E	G
URETHANE FORMULATIONS										
URIC ACID	E	E	E	E	C	E				C
VARNISH	X	X	X	X	G	X	X	E	E	G
VEGETABLE OILS	C	C	G	F	E	X	X	E	E	E
VERSILUBE F44	E	E	E	E	E	E	E			E
VERSILUBE F55	E	E	E	X	E	E	E			E
VINEGAR (Acetic acid)	E	G	E	E	G	G	G	E	E	G
VINEGAR ACID (Vinegar)	E		E			G		E	E	
VINYL ACETATE	E	C	F	G	C	X	X	E	E	C
VINYL BENZENE	X	X	X	X	C	X	X	F	F	C
VINYL CHLORIDE	X	X	X	C	X	X		E	E	X
VINYL CYANIDE	X	X	G	X	X	G	F	E	E	X
VINYL ETHER (Divinyl ether)	X		G		G	X				G
VINYL STYRENE										
VINYL TOLUENE	X	X	X	X	X	X				X
VINYL TRICHLORIDE (Trichloroethane)	X	X	X	X	X	X				X
VITAL, 4300,5310										
VM & NAPHTHA	X	F	X	X	G	X	X			G
WATER	E	G	E	E	E	E	C	E	E	E
WATER, BOILING	E	G	E	E	G	E				G
WATER, SODA								E	E	
WEMCO C	X	C	X	X	E	X	X			E
WHISKEY	E	E	E	E	E	E	E	E	E	E
WHITE OIL	X	G	C	X	E	X	X	E	E	E
WHITE PINE OIL	X	X	X	X	C	X	X			C
WINES	E	E	E	E	E	E	E	E	E	E
WOOD ALCOHOL (Methanol)	C	E	E	E	C	E	E	E	E	C

Chemical or Material Conveyed	COMPOUND									
	CIIR	CR	CSM	EPDM	NBR	NR	SBR	XLPE	UHMWPE	T629AA
WOOD OIL	C	C	C	X	E	X	X	E	E	E
XENON	E	E	E	E	E	E	E			E
XYLENE, XYLON	X	X	X	X	X	X	X	F	F	X
XYLIDINE	G	X	X	G	C	X	X			C
ZEOLITES	E	E	E	E	E	E	E			E
ZINC ACETATE	E	C		E	G	E	X			G
ZINC CARBONATE	E	E	E	E	E	E				E
ZINC CHLORIDE	E	E	E	E	E	E	E	E	E	E
ZINC CHROMATE	E	E	G	E	C	E				C
ZINC SULFATE	E	E	E	E	E	E	G	E	E	E
O-AMINOTOLUENE (o-Methylaniline)	C	X	X	C	X	X				X
1 UNDECANOL	E	E	E	E	E	E	E	E	G	E
1-AMINO-2-PROPANOL (Isopropanolamine)	E	E	F	E	C	G				C
1-AMINOBUTANE (Butylamine)	C	X	X	C	C	X	X			C
1-AMINOPENTANE (Amylamine)	G	C	F	X	F	F				F
1-BROMO-2-METHYL PROPANE (Isobutyl bromide)	X	X	X	X	X	X				X
1-BROMO-3-METHYL BUTANE (Isoamyl bromide)	X	X	X	X	X	X				X
1-BROMOBUTANE (n-Butyl bromide)	X	X	X	X	X	X				X
1-CHLORO-2-METHYL PROPANE (Isobutyl chloride)	X	X	X	X	X	X				X
1-CHLORO-3-METHYL BUTANE (Isoamyl chloride)	X	X	X	X	X	X				X
1-DECANOL	X	X	C	X	E	X		E	E	E
1-HENDECANOL (Undecanol)	E	E	E	E	E	E				E
1,4-DIOXANE	C	X	X	C	X	X		E		X
2(2AMINOETHYLAMINO) ETHANOL (N-(Aminoethyl)ethanolamine)	E		G			G				
2(2ETHOXYETHOXY) ETHANOL (Carbitol)	C	C	C	C	C	C	G			C
2(2ETHOXYETHOXY) ETHYL ACETATE (Carbitol acetate)	G	X	G	X	X	X	X			X
2-AMINOETHANOL (Ethanolamine)	C	C	C	E	C	C	F			C
2-CHLORO-1-HYDROXY-BENZENE (o-Chlorphenol)	X	X	X	X	X	X				X
2-CHLOROPHENOL	X	X	X	X	X	X	X			X
2-CHLOROPROPANE	X	X	X	X	X	X	X			X
2-ETHOXYETHANOL	C	X	X	C	C	X	X	E	E	C
2-ETHOXYETHYL ACETATE	C	X	X	G	X	C		E	E	X
2-ETHYL(BUTYRALDEHYDE)	G		X		X	X				X
2-ETHYL-1-HEXANOL	C	C	C	C	C	G	G	E	E	C
2-ETHYLHEXANOIC ACID (Ethylhexoic acid)	F		G		F	F				F
2-ETHYLHEXYL ACETATE	E		G		X	X		C	C	X
2-OCTANONE (Methyl hexyl ketone)	G	C		G	X	X				X
2,4-DI-SEC--PENTYLPHENOL										
3-BROMOPROPENE (Allyl bromide)	X	X	X	X	X	X				X
3-CHLORO-2-METHYL PROPANE										
3-CHLOROPROPENE	C	X	X	X	C	X	E	E	G	C
3-COAL OIL	X	G	F	X	E	X				E
4-HYDROXY-4-METHYL-2-PENTANONE (Diacetone alcohol)	E	F	C	E	X	X	X	E	E	X

FOR APPLICATIONS INVOLVING INDUSTRIAL ACID CHEMICALS AND ALCOHOLS, PLEASE REFER TO T5050G AND T5090E CHEMICAL HOSES.

Cautionary Statement

All Products sold and distributed by Kuriyama of America, Inc. are in the nature of commodities and they are sold by published specifications and not for particular purposes, uses or applications. Purchaser shall first determine their suitability for the intended purposes, uses or applications and shall either conduct its own engineering studies or tests, or retain qualified engineers, consultants or testing laboratories and consult with them before determining the proper use, suitability or propriety of the merchandise or Products for the intended purposes, uses or applications.

Kuriyama of America, Inc. ("Seller") does not recommend the Products for any particular purpose, use or application, and the Purchaser or user thereof shall assume full responsibility for the suitability, propriety, use and application of the Products. Purchaser shall follow all instructions contained in Seller's catalogs, brochures, technical bulletins and other documents regarding the Products. The Products, including but not limited to, hose, tubing or couplings, may fail due to the use or conveyance of substances at elevated or lowered temperatures or at excessive pressure, the conveyance of abrasive, injurious, flammable, explosive or damaging substances.

Hose or tubing used in bent configurations will be subjected to increased abrasion. Hose clamps or couplings may loosen after initial installation and all sections of hose and tubing including connections, couplings, clamps, conductivity and bonding should be inspected frequently, regularly and consistently, and should be replaced, adjusted or re-tightened for the avoidance of leakage, for the prevention of injuries or damages, and for general safety purposes. Except as indicated in its Limited Warranty, Seller shall not be liable or responsible for direct or indirect injuries or damages caused by or attributed to the failure or malfunction of any Products sold or distributed by it.

Purchasers or users of the Products should frequently and consistently undertake inspections and protective measures with respect to the use and application of Products, which should include the examination of tube and cover, conditions of the hose or tubing, and the identification, repair or replacement of sections showing cracking, blistering, separations, internal and external abrasions, leaking or slipped couplings or connections and make proper proof tests.

Limited Warranty

The Products sold or distributed by Seller are warranted to its customers to be free from defects in material and workmanship at the time of shipment by us, subject to the following provisions. ALL WARRANTY CLAIMS SHALL BE MADE WITHIN SIX (6) MONTHS AFTER SELLER SHIPPED THE PRODUCTS. SELLER'S LIABILITY HEREUNDER IS LIMITED AT SELLER'S EXCLUSIVE DISCRETION, TO 1) THE PURCHASE PRICE OF ANY PRODUCTS PROVING DEFECTIVE; 2) REPAIR OF ANY DEFECTIVE PRODUCT OR PART THEREOF; OR 3) REPLACEMENT OF ANY DEFECTIVE PRODUCT OR PART UPON ITS AUTHORIZED RETURN TO SELLER.

THIS WARRANTY IS IN LIEU OF AND EXCLUDES ALL OTHER WARRANTIES, EXPRESSED, IMPLIED, STATUTORY, OR OTHERWISE CREATED UNDER APPLICABLE LAW INCLUDING, BUT NOT LIMITED TO, THE WARRANTY OF MERCHANTABILITY AND THE WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL SELLER OR THE MANUFACTURER OF THE PRODUCT BE LIABLE FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, INCLUDING LOSS OF PROFITS, WHETHER OR NOT CAUSED BY OR RESULTING FROM THE NEGLIGENCE OF SELLER AND/OR THE MANUFACTURER OF THE PRODUCT, UNLESS SPECIFICALLY PROVIDED HEREIN. IN ADDITION, THIS WARRANTY SHALL NOT APPLY TO ANY PRODUCTS OR PORTIONS THEREOF WHICH HAVE BEEN SUBJECTED TO ABUSE, MISUSE, IMPROPER INSTALLATION, MAINTENANCE, OR OPERATION, ELECTRICAL FAILURE OR ABNORMAL CONDITIONS, AND TO PRODUCTS WHICH HAVE BEEN TAMPERED WITH, ALTERED, MODIFIED, REPAIRED, REWORKED BY ANYONE NOT APPROVED BY SELLER, OR USED IN ANY MANNER INCONSISTENT WITH THE PROVISIONS OF THE "CAUTIONARY STATEMENT" ABOVE OR ANY INSTRUCTIONS OR SPECIFICATIONS PROVIDED WITH OR FOR THE PRODUCT. 05/03/21 REV

Distributed by:

KURIYAMA OF AMERICA, INC.

HEADQUARTERS, SALES OFFICE AND WAREHOUSE
360 E. State Parkway, Schaumburg, IL 60173-5335
Phone: (847) 755-0360 • Toll-free Fax: (800) 800-0320
International Fax: (847) 885-0996

kuriyama.com *sales@kuriyama.com*

NAHAD
THE ASSOCIATION FOR HOSE AND ACCESSORIES DISTRIBUTION

2M 06/21

Printed in U. S. A. KARHCA0621

CONTACT OUR SALES/WAREHOUSE LOCATIONS BELOW WHICH SERVE YOUR AREA

SOUTHWEST WAREHOUSE

KURIYAMA OF AMERICA, INC.
– HOUSTON
200 Portwall Street, Suite 100
HOUSTON, TX 77029
Phone: (713) 674-8212
Toll Free Phone: (800) 501-6808
FAX: (713) 674-5214
Toll Free FAX: (800) 800-5214
E-Mail: sales@kuriyama.com

WESTERN WAREHOUSE

KURIYAMA OF AMERICA, INC.
– SANTA FE SPRINGS
10749 SHOEMAKER AVENUE
SANTA FE SPRINGS, CA 90670-4039
Phone: (562) 941-4507
FAX: (562) 941-8940
Toll-Free FAX: (800) 326-8940
E-Mail: sales@kuriyama.com

SOUTHEAST WAREHOUSE

FORTNEY SALES CO., INC.
4221 Cantrell Road NW
Acworth, GA 30101
Phone: (770) 427-6528
FAX: (770) 423-9249
Toll Free FAX: (800) 423-9249
Web Site: www.fortneysales.com
E-Mail: sales@fortneysales.com

EASTERN WAREHOUSE

EASTERN RUBBER & PLASTICS CO., INC.
100 GOLDMAN DR.
PLUMSTED INDUSTRIAL PARK
CREAM RIDGE, NJ 08514
Phone: (609) 758-0100
FAX: (609) 758-0102
Toll Free FAX: (800) 445-7138
Web Site: www.easternrubber.com
E-Mail: sales@easternrubber.com

IN MEXICO:

KURIYAMA DE MÉXICO S DE RL DE CV
AV JOSE PALOMO MARTINEZ NO 520-20 BODEGA 5
PARQUE INDUSTRIAL OMOLAP
APODACA, N.L. CP:66633, MÉXICO
Telefonos: (81) 1086-1870 0 71
Lada sin Costo 01 800 822 52 00
FAX: (81) 1086-1869
Internet: www.kuriyama.com
Correo Electronico: ventas@kuriyama.com